

Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
(Formerly known as Smt. Bhagwati Chaturvedi College of Engineering)
Harpur Nagar, Umred Road (Near Bada Tajbag), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
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Principal - Dr. N.K. Choudhari Ph. No. 0712-2710281

SELF STUDY REPORT
Submitted To
**National Assessment and
Accreditation Council,
Bangalore**



MARCH – 2017

**HARPUR NAGAR, UMRED ROAD, NAGPUR – 440024
(MAHARASHTRA)**

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COVERING LETTER BY HEAD OF THE INSTITUTE



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
**PRIYADARSHINI BHAGWATI
COLLEGE OF ENGINEERING**
(Formerly known as Smt. Bhagwati Chaturvedi College of Engineering)
Harpur Nagar, Umred Road, Nagpur - 440 024, (India)
Tel. : +91-712-2710281, 2710282. Fax : +91-712-2710283
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Ref No:

Date: 29.03.2017

**The Director,
National Assessment and Accreditation Council,
P. O. Box No. 1075, Nagarbhavi,
Bangalore -560072, Karnataka, India .**

Subject: Submission of Self Study Report (SSR)

Respected Sir,

We are hereby submitting the Self Study Report (SSR) of Priyadarshini Bhagwati College of Engineering, Harpur Nagar, Umred Road, Nagpur(Maharashtra). We would like to convey you that soft copy of SSR for NAAC is also uploaded on our college web site for your reference. The details are as below.

Web site: www.pbce.ltjss.net

SSR Link: http://www.pbce.ltjss.net/images/ssr/SSR_NAAC_PBCOE_NAGPUR.pdf

You are kindly requested to accept the SSR for NAAC.

Thanking You,

Date: 29.03.2017

Dr. N. K. Choudhari

Place: Nagpur

Principal

Dr. N.K. Choudhari
Principal
Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur.

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA

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NAAC STEERING COMMITTEE



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbag), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email : principalpbcoe@gmail.com, Website: www.pbce.ltjss.net



NAAC STEERING COMMITTEE

Sr No	Name	Designation
1.	Dr N K Choudhari, Principal	Chairperson
2.	Dr Mrs A R Chaudhari, Dean Academics	Coordinator
3.	Mr K N Hande, HoD, CSE	Assistant Coordinator
4.	Mr M S Chaudhari, HoD, IT	Member
5.	Mr R K Pohane, HoD, Mech	Member
6.	Mr R N Patil, HoD, Civil	Member
7.	Mr P R Bokade, HoD,EN	Member
8.	Ms D M Kate, HoD, EC	Member

PREFACE

Lokmanya Tilak Jankalyan Shikshan Sanstha (LTJSS) was founded in 1983 by the creative and dynamic visionaries Hon'ble Dr. Satish Chaturvedi and Smt. Abha Chaturvedi. Dr. Satish Chaturvedi with his determination and the support of his spouse, Smt. Abha Chaturvedi developed the Sanstha from a humble stage to the profuse spectrum that it exhibits today. The Sanstha has its gargantuan corpus of 26 institutions striving towards excellence in education and building the cerebral infrastructure of India as a nation powered with its human resources. Its approach to education is our uncompromising pursuit of excellence through human resources. The Sanstha derives its philosophy from the magnanimous mathematician, educationist and social reformer Lokmanya Bal Gangadhar Tilak.

The mission of the Sanstha is to generate effective synchronization amongst academicians, professionals, technocrats and students so as to achieve excellence in technical education with a sense of commitment to meet the national aspirations.

LTJSS, i.e. Lokmanya Tilak Jankalyan Shikshan Sanstha was formed with a specific purpose and mission to be committed to the cause of quality and excellence in education ranging from KG to PG and doctoral research programs as well. LTJSS has taken up the responsibility of giving a new dimension to engineering education, a new look and new approach which will make our students future ready. The Sanstha has created the niche in the segment of engineering and technical education through its 6 Engineering colleges, 2 Architecture colleges, Management, Pharmacy College, Polytechnic, State & CBSE Schools. The Sanstha has about 23,000 students 3500 highly educated and skilled staff. The educational Institutes of the Sanstha have been progressing with an objective to create facilities for achieving advanced academic and professional competence in experienced technical manpower.

Priyadarshini Bhagwati College of Engineering, Nagpur (Formerly Known as Smt. Bhagwati Chaturvedi College of Engineering) is established in the year 2007, and is one among the fast growing technical institutes of the LTJSS in the region with a view to impart high quality technical education to the aspirants of technical education in the field of Engineering. The college is situated in the heart of Nagpur city at Harpur Nagar on the main Umrer Road, at a distance of only 5 - 6 Kms from Railway Station and Bus Stand. It is well connected by rail, road and air routes. The college is in developing stage, well equipped with all kind of necessary infrastructure and qualified and

NAAC Self Study Report for Affiliated College

dedicated faculties. It is a set up on 06 acres land situated well within the city area at Nagpur - the orange city.

The college offers six undergraduate programs in engineering viz. B.E. in Electronics & Communication Engineering, Computer Science & Engineering, Electronics Engineering (closed from 2016-17) Information Technology, Mechanical Engineering and Civil Engineering. College also offers two post graduate programs in engineering viz. M. Tech. in Computer Science & Engineering and M. Tech in Electronics Engineering (Communication).

Principal of the college along with Heads and faculty members provides quality based technical education for creating engineers with sound technical knowledge with high moral character to serve the society.

The college has successfully achieved total academic environment with high discipline. The college has achieved good results in university examination with many students holding ranks in the university merit list.

The institute encourages and motivates the students to participate in various extracurricular activities. The institute organizes sports meet Kridamahotsav and annual social gathering “Amrutam” every year. In addition, each department has student’s forum activities. Institute motivates and encourages students to prepare for various competitive examinations, higher studies and research.

The institute conducts various training sessions comprise of soft skill, technical skill and aptitude skill trainings through guest lectures, industry visit, and technical workshop to enhance employment opportunities.

Within a short span of 10 years of its existence institute has gain name and fame in the technical education in region. The college is continuously striving to achieve bigger goals in coming future and provide the quality technical education to the students from all parts of the society.

The college has developed a cohesive working culture in the campus where the Principal along with Heads, staff and students works in a team for betterment and upliftment of the college as a whole. This working culture has helped us to earn a good name and reputation within a short span of time.

This Self Study Report (SSR) of NAAC is prepared with the utmost care and sincerity. It is the collective effort of NAAC steering committee incharge Dr Mrs A R Chaudhari, members, Criterion Incharges, HoDs and the faculty members under the able guidance of Principal, Dr N K Choudhari. The SSR of our college contains the information and data of the processes we are actually following and maintaining since inception of the college.

NAAC Self Study Report for Affiliated College

We look forward to present this SSR to NAAC Peer Team members and hope that it will benefit the college in all the possible ways.

PRINCIPAL'S MESSAGE

I am very much pleased to present Self Study Report [SSR] of Priyadarshini Bhagwati College of Engineering, Harpur Nagar, Umred Road, Nagpur, to National Assessment and Accreditation Council (NAAC), Bangalore.

We are in the era where science and technology are the corner stones on which the edifice of society rests. Priyadarshini Bhagwati College of Engineering, Nagpur, was established in 2007. It is one of the fastest growing technical institutes in the region. We at PBCOE believe in providing quality based technical education for creating engineers with sound technical knowledge and high moral character to serve the society. To accomplish our aim we provide best infrastructure which includes Library along with access to international E-journals, well equipped laboratories, highly competent and learned faculty devoted towards academics and overall development of the students. We have implemented multi-dimensional activities to enhance and enrich our academic endeavors. This institution has played a cascading role in the carrier and personality of enumerable students who have brought laurel to the college, state and country alike.

PBCOE is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, approved by All India Council for Technical Education (AICTE), recognized by Directorate of Technical Education, Govt. of Maharashtra.

The institute has encouraged research activities with subsequent growth in publications, faculty development programs, student participation in co-curricular and extracurricular activities. We are trying to achieve the heights of success by adapting and implementing newer techniques, innovative ideas and acquiring new skills to overcome our weaknesses and thus increasing strength of the institution.

This report is synergic outcome of all the factors of this institute. The NAAC Steering Committee members have put their utmost efforts to prepare this SSR. I really appreciate the cooperation received from the Management of LTJSS and other faculty members who worked hard to achieve this formidable task. I hope this SSR report will be a factual representation of the continuous journey of the institute to achieve the desired goal.

Dr. N. K. Choudhari
Principal, PBCOE,
Nagpur.

EXECUTIVE SUMMARY

About the Sanstha (Lokmanya Tilak Jankalyan Shikshan Sanstha LTJSS)

Founded in 1983 LTJSS (Lokmanya Tilak Jankalyan Shikshan Sanstha) today runs 28 educational institutions and is considered synonymous with excellence in education. Sanstha derives its philosophy from the eminent mathematician, educationist and social reformer Lokmanya Bal Gangadhar Tilak. LTJSS approach to education is an uncompromising pursuit towards achieving excellence through Human Resources, and infrastructure to generate peak synergy among academicians, professionals, technocrats and students for the task of nation building.

Our thrust areas are all round personality grooming of the students, rigorous practical training in laboratories and workshops, co-curricular activities and personal attention to student counseling.

About College

Priyadarshini Bhagwati College of Engineering, Nagpur (Formerly known as Smt. Bhagwati Chaturvedi College of Engineering, Nagpur) is one of the most reputed Engineering Colleges in the Rashtrasant Tukadoji Maharaj Nagpur University area. Although, the college is established just 10 years back it has achieved a remarkable position in the region within very short span. The college has an excellent infrastructure and campus. The architecture of college building is of international standards with all the modern amenities. The college has state of the art laboratories, equipments and instruments needed for all the engineering departments. As the college is run by the well reputed education society Lokmanya Tilak Jankalyan Shikshan Sanstha (LTJSS), it attracts highly experienced teachers. The Library, the mirror of an academic environment, has plenty of books; journals etc. and are equipped with modern facilities like multimedia section. The air-conditioned computer centre of college has ample number of high end personal computer with internet facilities.

The institute has around 585 computers of P-IV Dual Core with TFT monitors. The campus is within the WiFi range of BSNL. The institute has also developed inhouse ERP software to regulate all the activities like academic, stores, and scholarship, leave record, faculty profile etc online at institution and sanstha level. The institute has rich library with total built-up area of 1214 sq. mtr. Library has more than 17000 books worth Rs 58 lacs on various subjects. Library also has journals, periodicals, magazines and newspaper

subscription. A special reference section for the higher learning multimedia packages and Internet access is also available. The institute has well furnished seminar hall with a seating capacity of 150 persons which is frequently used for workshops, seminars and meetings.

The institute includes amenities like Girls common room, Boys common room, Medical room, Electrical generator, ample parking and canteen. The college has play ground available within the campus for the students. The sports items, cricket kits, Volley Ball, Basket-Ball etc. are available for the recreation of the students. The institute have round the clock power backup having one generator to ensure uninterrupted power supply in the campus for the smooth execution of academic and administrative activities. Professional security guards are allocated round the clock for security purpose in the campus.

The institute has well established cells like Training & Placement, R&D, III Cell, Entrepreneurship Development, Alumni, NSS, Internal Complaint Committee, Faculty Development, Anti Ragging, Library Advisory committee and Research Advisory committee.

All the teaching departments has well experienced, qualified, enthusiastic and dynamic staff members who never left any stone unturned to bring academic excellence in students. All staff members are using modern teaching aids in lectures and practical's. Along with the academic activities, students are also motivated and encouraged to take part in cucurricular and extracurricular activities. Various cultural and technical activities are organized throughout the year for students.

Some of the distinguished features of the institute are well disciplined academic culture and environment, highly experienced and qualified staff, excellent infrastructure with all facilities, extensive training facilities to enhance employability of students, excellent placement opportunities in reputed companies, active students associations of all departments for overall personality development of students, contineous interaction with industries and research organizations, active cells and committees for the growth, welfare and development of students and staff, periodic tests and continuous evaluation, continuous ongoing efforts for quality excellence through participation and organization of conferences, seminars, workshops, training programs.

SWOC ANALYSIS

STRENGTHS:

- Centrally located campus situated in the heart of the city. Easily accessible through public and private transport
- Academically disciplined environment of students and staff thus enriching overall teaching and learning process
- Highly dedicated and integrated faculty members across the departments at all levels with good retention ratio.
- Excellent infrastructure and adequate lab facilities among all the departments as per AICTE norms
- Spacious Library with rich contents like textbooks, e-learning resources, ICT
- Teacher-Guardian scheme enabling the smooth implementation of continuous evaluation of academic process
- Functional Priyadarshini Centre of Excellence aims at empowering and synergizing human resources to achieve excellence in one's life and in the process improve the quality of life of others. It acts as a catalyst in the journey of self-exploration to self-empowerment through its unique training programs.
- Strong and active academic monitoring system in place.
- MoU's with the industries in and around Nagpur thus enabling the syllabus content enrichment and industrial exposure to students
- Continuous support and guidance from top management in every activity at college level
- Fully WiFi Enabled campus with Central computing facilities
- Excellent results of the departments in RTM Nagpur university examinations and few students secured merit positions.

WEAKNESSES:

- Faculty profile with Ph D qualification is low in number
- No funded projects from the central funding agencies.
- No patents filed till date
- Lacking in consultancy and innovation
- Very few publications in indexed journals and high impact factor journals

OPPORTUNITIES:

- To be recognized as approved research centre of RTM Nagpur University in Electronics Engineering / Electronics communication Engg., as Institute will be completing 10 years in September 2017
- Starting of new UG and PG programs after NBA accreditation to cater the diversified need of the Industry.
- Becoming an autonomous Institute in coming future
- As Nagpur is developing industrial zone with MIHAN and Metro rail project there will be demand for qualified engineers, which can be contributed by the Institute
- Inculcating research culture among faculties and students and getting the funds from various funding agencies
- Starting skill based courses in collaboration with local industries

CHALLENGES:

- Competition from newly opened Engineering colleges, autonomous and Government colleges in engineering education
- Decreased inclination of students for engineering education
- Higher cost of engineering education
- Quality of students input is deteriorating day by day
- Inclination of students towards higher education is less
- Number of students getting placed in the prestigious companies is low.
- Students could not fulfill the expectation level of the corporate sector at entry level

Profile of the Affiliated College

1. Name and address of the college

Name:	Priyadarshini Bhagwati College of Engineering, Nagpur	
Address:	Harpur Nagar, Umred Road, Opp Bada Tajbag	
City:Nagpur	Pin:440024	State: Maharashtra
Website:	www.pbce.ltjss.net / www.bcce.ltjss.net	

2. For Communication

Designation	Name	Teleph one with STD code	Mobile	Fax	Email
Principal	Dr. N. K. Choudhari	O:071 2-27102 81 R:	9823273864	+91-712-2710283	principalpbcoe@gmail.com
Steering Committee Co-ordinator	Dr. Mrs A. R. Chaudhari	O:071 2-27102 81 R:	9823285684	+91-712-2710283	arcbce@gmail.com

3. Status of the Institution:

Affiliated College

Constituent College

Any other (Specify)

✓

4. Type of Institution:

a. By Gender

i. For Men

NAAC Self Study Report for Affiliated College

- ii. For Women
 iii. Co-education

b. By Shift

- i. Regular
 ii. Day
 iii. Evening

5. It is a recognized minority institution?

- Yes
 No

If yes specify the minority status (Religious / linguistic / any other) and provide documentary evidence

6. Sources of funding:

Hindi Linguistic Minority

- Government
 Grant-in-aid
 Self-financing
 Any other

7. a. Date of establishment of the college 01/09/2007 (dd/mm/yyyy)

b. University to which the college is affiliated / or which governs the college (If it is a Constituent college)

Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur

c. Details of UGC recognition:

Under section	Date, Month and Year	Remarks (If any)
i. 2(f)	----	-----
ii. 12(B)	----	-----

(Enclose the certificate of recognition u/s 2(f) and 12(B) of the UGC Act)

d. Details of recognition / approval by statutory / regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, RCI etc.)

Under Section / clause	Recognition / Approval details Institution / Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
F.No.06/07/MS/Engg./2007/14	1. Electronics Engg. 2. Electronics & Comm.	16.08.2007		

(AICTE)	3. Computer Science & Engg 4. Information Technology			
WR/MS/1-5931571./2010/EOA (AICTE)	1. Mechanical Engg. 2. Civil Engg.	23.08.2010		
WR/MS/1-409933254/2011/EOA(AICTE)	1.Mechanical Engg. 2.M Tech CSE	01.09.2011		
WR/MS/1-2018717345./2014/EOA(AICTE)	M.Tech(Electronics & Communication)	04.06.2014		

(Enclose the recognition / approval letters)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by UGC) , on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized?

a. by UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition:

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency and
Date of recognition: (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location*	Urban
Campus area in sq. mts.	20598.50 sq. mtr.
Built up area in sq. mts.	22553.944 sq. mtr.

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed

facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities Yes
- Sports facilities
 - * Play ground Yes
 - * Swimming pool (At Sanstha level) Yes
 - * Gymnasium Yes
- **Hostel**
 - * Boys Hostel Yes
 - i. Number of Hostels 01
 - ii. Number of inmates 00
 - iii. Facilities (Mention available facilities)
 - Girls Hostel Yes
 - i. Number of Hostels 01
 - ii. Number of inmates 00
 - iii. Facilities (Mention available facilities)
 - Working women’s hostel No
 - i. Number of inmates
 - ii. Facilities (Mention available facilities)
 - Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise) No
 - **Cafeteria** Yes
 - **Health centre** Yes
 - First aid, Inpatient, Outpatient, Emergency care facility, Ambulance....
 - Health centre staff –

Qualified doctor	Full Time	<input type="text"/>	Part Time	<input checked="" type="checkbox"/>
Qualified Nurse	Full Time	<input type="text"/>	Part Time	<input checked="" type="checkbox"/>
- Facilities like banking, post office: At the neighborhood
- Book shop is available Yes
- Transport facilities to cater to the needs of students and staff Yes
(At Sanstha Level)
- Animal house No
- Biological waste disposal Yes
- Generator or other facility for management/regulation of electricity and voltage Yes
- Solid waste management facility Yes
- Waste water management Yes
- Water harvesting Yes

12. Details of programmes offered by the college (Give data for current academic year)

Sr	Program	Name of	Duratio	Entry	Medium	Sanction	No. of
----	---------	---------	---------	-------	--------	----------	--------

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No	me Level	the Program / Course	n	Qualificati on	of Instructi on	ed / approved student strength	students admitte d
1	Under-Graduate Bachelor of Engineering (B.E.)	Computer Science & Engg	4 Years	HSC (10+2) or equivalent	English	60+3*	58+3*= 61
		Information Technology				60+3*	48+3*= 51
		Civil Engg				60+3*	52+3*= 55
		Mechanical Engg				120+6*	84+6*= 90
		Electronics & Comm Engg				60+3*	23+2*= 25
		Electronics Engg				Closure from 2016-17	
2	Under-Graduate Bachelor of Engineering B.E. Lateral Entry (Direct II Year)	Computer Science & Engg	3 Years	Diploma in Engineering or equivalent	English	12	10
		Information Technology				12	01
		Civil Engg				12	33#
		Mechanical Engg				24	85#
		Electronics & Comm Engg				12	35#
		Electronics Engg				12	01
3	Post-Graduate Master of Technology (M. Tech.)	Computer Science & Engg	2 Years	B.E./B. Tech/MCA	English	18	00
		Electronics & Comm Engg		B.E./B. Tech		18	11

* TFWS (Tuition Fee Waiver Scheme) Seats

Including vacancy against failures and vacant seats at I Yr level

13. Does the college offer self-financed Programs?

Yes

No

If yes, how many?

06 UG + 02 PG

14. New programs introduced in the college during the last five years if any? Yes

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	01(PG)
-----	-------------------------------------	----	--------------------------	--------	--------

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programs. Similarly, do not list the departments offering common compulsory subjects for all the programs like English, regional languages etc.)

Faculty	Departments	UG	PG	Research
Engineering and Technology	Computer Sc & Engg	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	NIL
	Information Technology	<input checked="" type="checkbox"/>	-----	
	Civil Engg	<input checked="" type="checkbox"/>	-----	
	Mechanical Engg	<input checked="" type="checkbox"/>	-----	
	Electronics & Comm Engg	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Electronics Engg	<input checked="" type="checkbox"/>	-----	

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and M.Com...)

- a. Annual system:
- b. Semester system:
- c. Trimester system:

17. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other (specify and provide details)

18. Does the college offer UG and/or PG programmes in Teacher Education:

Yes

No

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If yes,

a. Year of Introduction of the program(s)..... (dd/mm/yyyy)
and number of batches that completed the program

b. NCTE recognition details (if applicable)

Notification No.:

Date: (dd/mm/yyyy)

Validity:.....

c. Is the institution opting for assessment and accreditation of Teacher Education Program separately?

Yes

No

19. Does the college offer UG or PG programme in Physical Education:

Yes

No

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		M	F	M	F
	M	F	M	F	M	F				
Sanctioned by the UGC/ University/State Govt. Recruited	12		20		83		---		-----	
Sanctioned by the Management / society or other authorized bodies recruited	00		01		114		48		20	
<i>Yet to recruit</i>	12		19		NIL		---		-----	

21. Qualifications of the teaching staff:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers (Approved Faculty)							
Ph. D.	---	--	--	01	01	02	04

NAAC Self Study Report for Affiliated College

P. G.	--	--	--	--	28	25	53
Temporary Teachers (Adhoc Full Time Faculty)							
Ph. D.	--	--	--	--	--	02	02
P. G.	--	--	--	--	16	40	56
Part-Time Teachers							
Ph. D.	--	--	--	--	--	--	--
P. G.	--	--	--	--	--	--	--

22. Number of Visiting Faculty /Guest Faculty engaged with the College. NIL

23. Furnish the number of the students admitted to the college during the last four Academic years. (UG and PG)

Categories	2013-14		2014-15		2015-16		2016-17	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	50	35	37	24	54	35	62	33
ST	00	01	01	01	02	02	06	02
VJ/NT	11	11	08	12	13	09	13	08
OBC	136	82	101	65	116	71	149	79
SBC	13	11	12	09	18	14	24	12
GENERAL	60	33	47	30	42	40	31	22
TFWS	09	12	10	08	08	09	14	03
Total	279	185	216	149	253	180	299	159

Sr. No.	Branch	Year	Open		SC		SBC		ST		OBC		NT		DT/VJ		TFWS		PIO		Total		Gr and Total	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
1	ME	2013-14	14	0	24	2	5	1	0	0	66	3	5	0	0	0	0	6	0	0	0	120	6	126
2	CE		7	1	6	5	2	0	0	0	25	11	0	3	0	0	2	1	0	0	43	21	63	
3	CSE		8	8	3	8	0	0	0	1	11	14	0	0	0	0	0	3	0	0	22	34	56	
4	IT		4	3	3	4	0	2	0	0	3	6	0	1	0	0	1	2	0	0	11	18	29	
5	ECE		6	4	2	6	1	0	0	0	6	10	2	1	0	0	0	3	0	0	17	24	41	
6	ETRX		3	2	1	2	0	1	0	0	4	3	0	2	0	0	0	3	0	0	8	13	21	
7	DSY ME		11	0	1	1	1	0	0	0	7	2	1	0	0	0	0	0	0	0	21	3	24	
8	DSY CE		1	0	3	1	0	1	0	0	2	2	1	1	0	0	0	0	0	0	7	5	12	
9	DSY		4	3	2	2	1	1	0	0	1	7	0	2	0	0	0	0	0	0	8	15	23	

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	CSE																						
10	DSY IT		1	0	0	1	0	1	0	0	3	3	0	0	0	0	0	0	0	0	4	5	09
11	DSY ECE		0	3	1	2	3	1	0	0	7	13	2	1	0	0	0	0	0	0	13	20	33
12	DSY ETRX		0	3	3	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3	6	09
13	M.Tech CSE		1	6	1	0	0	1	0	0	1	8	0	0	0	0	0	0	0	0	3	15	18
14	M.Tech EC	Starting from 2014-15																					

Sr. No.	Branch	Year	Open		SC		SBC		ST		OBC		NT		DT/VJ		TFWS		PIO		Total		Grand Total
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	ME	2014-15	11	0	19	0	4	0	1	0	40	0	0	1	2	0	6	0	0	0	83	1	84
2	CE		2	0	6	3	1	0	0	0	18	10	2	2	0	0	3	0	0	0	32	15	47
3	CSE		6	4	0	1	2	3	0	0	5	12	0	2	0	0	0	2	0	0	13	24	37
4	IT		1	2	0	2	0	0	0	1	3	7	0	1	0	0	0	2	0	0	4	15	19
5	ECE		0	2	0	5	1	0	0	0	1	9	0	0	0	0	0	3	0	0	2	19	21
6	ETRX		0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	0	0	2	2	04
7	DSY ME		14	0	5	0	2	1	0	0	22	0	3	0	0	0	0	0	0	0	46	1	47
8	DSY CE		5	1	2	3	0	0	0	0	2	5	0	0	0	0	0	0	0	0	9	9	18
9	DSY CSE		2	0	1	8	0	2	0	0	3	7	0	0	0	0	0	0	0	0	6	17	23
10	DSY IT		0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	02
11	DSY ECE		1	1	1	1	1	2	0	0	4	10	0	4	0	0	0	0	0	0	7	18	25
12	DSY ETRX		0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	03
13	M.Tech CSE		0	11	2	0	0	0	0	0	0	3	0	1	0	1	0	0	0	0	2	16	18
14	M.Tech EC		5	9	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	6	11	17

Sr. No	Branch	Year	Open		SC		SBC		ST		OBC		NT		DT/VJ		TFWS		PIO		Total		Grand Total
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	ME	2015-16	6	0	16	1	0	0	0	1	36	3	4	0	0	0	6	0	0	0	68	5	73
2	CE		5	2	5	4	1	2	0	0	16	12	2	0	0	0	1	0	0	0	31	20	51
3	CSE		5	8	6	3	2	4	0	0	6	25	0	1	0	0	0	3	0	0	19	44	63
4	IT		3	2	1	2	2	2	0	0	3	4	0	0	0	0	1	2	0	0	10	12	22
5	ECE		0	4	2	4	0	0	0	0	3	10	0	3	0	0	0	2	0	0	05	23	28
6	ETRX		0	1	1	4	1	2	0	0	1	2	0	0	0	0	0	2	0	0	3	11	14
7	DSY ME		13	0	13	0	4	0	0	0	36	0	5	0	0	0	0	0	0	0	71	0	71
8	DSY CE		5	1	4	5	0	4	1	0	8	3	0	3	1	0	0	0	0	0	19	16	35
9	DSY CSE		1	3	0	1	1	4	0	0	4	4	0	0	0	0	0	0	0	0	6	12	18
10	DSY IT		0	0	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	3	5

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11	DSY ECE		1	1	4	6	1	0	1	1	3	2	1	0	0	0	0	0	0	0	11	10	21
12	DSY ETRX		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
13	M. Tech CSE		0	1	1	1	1	0	0	0	0	4	0	0	0	0	0	0	0	0	2	15	17
14	M. Tech EC		2	8	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	12	14

Sr. No	Branch	Year	Open		SC		SBC		ST		OBC		NT		DT/VJ		TFWS		PIO		Total		Grand Total
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	ME	2016-17	3	0	18	2	6	2	1	0	45	1	5	0	1	0	6	0	0	0	85	5	90
2	CE		4	2	11	3	1	2	2	1	12	10	2	2	0	0	3	0	0	0	35	20	55
3	CSE		6	10	4	5	1	4	0	0	14	14	0	0	0	0	2	1	0	0	27	34	61
4	IT		1	3	5	6	3	2	1	0	8	17	0	2	0	0	1	2	0	0	19	32	51
5	ECE		2	0	0	3	1	0	0	1	5	10	1	0	0	0	2	0	0	0	11	14	25
6	ETRX		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	DSY ME		1	0	14	1	6	0	2	0	46	1	4	1	0	0	0	0	0	0	82	3	85
8	DSY CE		4	2	6	2	2	0	0	0	12	4	0	1	0	0	0	0	0	0	24	9	33
9	DSY CSE		0	1	0	2	0	1	0	0	2	4	0	0	0	0	0	0	0	0	2	8	10
10	DSY IT		0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
11	DSY ECE		0	2	4	7	3	1	0	0	5	11	0	2	0	0	0	0	0	0	12	23	35
12	DSY ETRX		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
13	M. Tech CSE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	M. Tech EC		1	2	0	2	0	0	0	0	0	6	0	0	0	0	0	0	0	0	1	10	11

24. Details on students enrolment in the college during the current academic year (2016-17)

Type of students	UG	PG	M Phil	Ph D	Total
Students from the same state where the college is located	441	11	0	0	452
Students from the other states of India	06	0	0	0	06
NRI students	0	0	0	0	0
Foreign Students	0	0	0	0	0
Total	447	11	0	0	458

25. Dropout rate in UG and PG (average of the last two batches)

UG PG

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component
 (b) Excluding the salary component

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

a) Is it a registered centre for offering distance education programmes of another University

Yes No

b) Name of the University which has granted such registration

c) Number of programs offered

d) Programs carry the recognition of the Distance Education Council

Yes No

28. Provide Teacher-student ratio for each of the programme/course offered

Engg. & Tech. 1: 13

M. Tech. 1: 6

29. Is the college applying for

Accreditation: Cycle 1 Cycle 2 Cycle 3 Cycle 4

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to reaccreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and reassessment only)

Cycle 1: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 2: (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result.....

***Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**

31. Number of working days during the last academic year:

CRITERION I - CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation.

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

We commit ourselves to create state of art infrastructure, highly competent, learned and motivated faculty, best of the books, journals, computing and Internet facilities for the students, who in turn will be useful for industries in particular and society in general.

Mission

To generate effective synchronization amongst academicians, professionals, technocrats and students so as to achieve excellence in professional education with a sense of commitments to meet the national aspirations

Quality Policy

To initiate, design and execute the processes for improvement of academic excellence at learning and execution levels and continually strive to achieve the highest possible outcome based objectives.

Objectives:

- To provide quality based Technical Education for creating Engineers with sound technical knowledge and high moral character to serve the society.
- To provide the latest scientific and technical knowledge to the students
- To provide transparent and fearless environment to students
- To train the students on behavioral aspects and interpersonal skills
- To nurture the self discipline in students by providing academically disciplined environment in the campus
- To develop various skills in students for better employment prospects
- To groom the overall personality of the students so as to face the cut throat competition
- To inculcate the value of equality, morality and dignity of the labor in students
- To generate the feeling of unity and integrity among the students
- To provide equal opportunities to the students without any religious bias.
- To develop a sense of responsibility among students so as to contribute in national development
- To encourage students for higher education and research and development

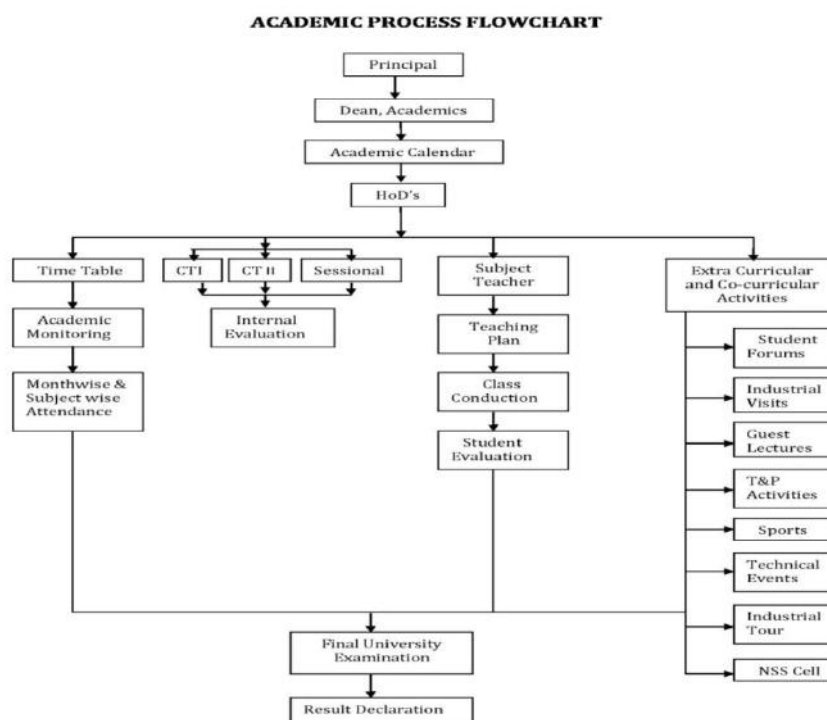
Communication to the students, teachers, staff and other stakeholders

The following efforts are taken to communicate the Vision, Mission and the Objectives of the college to the stakeholders:

- The vision and mission is displayed in the main entrance of the college.
- It is also communicated through prospectus, printed stationery, departmental display board, auditorium, seminar room and college magazine
- It is also displayed on college websites, leaflet and advertisement of the college.
- It is also highlighted in the conferences, workshops and intercollegiate fests, parent-teacher meet, induction program, alumni meet, Training and placement activities and other important gatherings.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

Figure 1.1: Academic Process Flowchart



For effective implementation of curriculum at college levels following steps are taken. Principal of the college initiate the process by conducting meeting at Head level of all the departments. The Principal also conducts the meetings of various central portfolios in charges. The Heads of various departments then conducts the meeting at department level and plans various strategies for

implementation of curriculum. The stepwise strategies for effective implementation of curriculum are as follows:

- Being affiliated to RTM Nagpur University, we follow the academic calendar proposed by the University every year. Based on this academic calendar the college level academic calendar is prepared, stating the commencement date, last working date, schedule for various academic activities, dates for conduction of internal assessment tests and schedule for various co-curricular and extracurricular activities
- The Heads of various departments prepare departmental academic calendar based on the college academic calendar, which is circulated to staff and students
- Subjects are allotted to teachers as per the choice given, if possible.
- The Time Table is prepared for the semester.
- Subject wise Teaching plans are prepared and approved by the HoD and Principal
- Faculty seminars are arranged on the topic related to the allotted subject.
- Teaching material like subject notes, PPTs, NPTEL videos and other e-learning material is kept ready by the respective teachers.
- Laboratory manuals are prepared/updated as per the prescribed syllabus and subject requirements.
- Implementation and monitoring of teaching-learning process is done by academic monitoring committee at central level and department level for effective execution of curriculum.
- Academic report prepared by HoDs is submitted to Dean, Academics every fifteen days which is then communicated to Principal.
- Extra classes are conducted for the subjects lagging behind in the syllabus coverage
- Monthly attendance of students is displayed so as to keep the check on regularity of students
- After evaluation of internal assessment exam academically weak students are identified and same is communicated to parents, special remedial classes are conducted in the extra hours so as to improve their performance. As well as advanced learners are also identified and motivated to improve their performance by special counseling
- Crash course and performance improvements workshops are conducted at the end of each semester so as to revise the important topics

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

RTM Nagpur University's prescribed syllabus for Engineering and Technology is available on the website [www.nagpuruniversity.org/Syllabus/Faculty of Engineering & Tech](http://www.nagpuruniversity.org/Syllabus/Faculty_of_Engineering_&_Tech)).

- Based on the syllabus theory, practical and tutorial hours are allotted in the time table.
- Prescribed Text books and reference books are made available in the college library
- Supporting ICT facilities like NPTEL Videos, e-books, DELNET, Springer Link is available in the college Library.
- The subject files containing question bank, model solution set, University question papers, assignment and tutorial sheets and the lecture notes are kept in the department for reference.
- Standard practical journal, laboratory manuals, viva-voce question bank is available in the respective departments
- Faculty seminars are organized to enrich the subject knowledge.
- Senior teachers guide and motivate the junior teachers for effective delivery of curriculum by sharing their experiences.
- Every department has its own departmental library comprising of relevant literature.
- Faculty members are encouraged to participate in STTPs, FDPs, Conferences, Seminars and workshops to update their technical knowledge and the duty leaves are sanctioned for the purpose.
- Faculty members are motivated to pursue research work so as to upgrade their credentials.
- Faculty members are encouraged to publish and/or present papers in national and international journals and conferences.
- The college has WiFi enabled campus
- Seminar rooms are available for conduction of guest lecture, student presentations and workshops.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency?

- College provides the well furnished class rooms and infrastructure as per the AICTE norms
- Laboratories are available and updated with equipments, tools, software etc as per the curriculum requirement
- Good number of LCD projectors are available at each department for ICT enabled teaching
- Seminar halls are keep ready with computer and LCD projector for various presentations

- Well equipped language lab is in place for communication skill improvement of the students
- The college library is well contended with the books and material which is kept open above the regular college timing
- Generator set is installed and functioning for the Uninterrupted power supply in case of power failure
- Meetings are conducted at the HoD level and Principal level for tracking the coverage of syllabus.
- Subject files are updated throughout the semester by the respective teachers.
- After evaluation of internal assessment exam academically weak students are identified and same is communicated to parents, special remedial classes are conducted in the extra hours so as to improve their performance.

1.1.5 How does the institution network and interact with beneficiaries such as industry, Research bodies and the university in effective operationalization of the curriculum?

- Guest Lectures of various industry and academic experts are conducted regularly for updation of the knowledge.
- Industrial visits are organized on regular basis so as to give industry exposure to students.
- Workshops and seminar in collaboration with IITs, Govt organizations like MSME, NPTI and local industries are organized.
- Evaluation of Project by experts from industry and academia is done.
- MoU are signed and kept alive by conducting the workshops and seminar by the concerned industries.
- Few students are selected in industry for live projects and Internships.
- Faculty members from few departments are engaged in industrial consultancy.
- Few faculty members are involved at University level in curriculum restructuring and enrichment as Chairman of BoS and Member, Academic Council.
- Faculty members participates in various conferences, seminar and workshops organized by University and other research organization like NEERI, IICT etc.
- Many faculty members are involved in paper setting, moderation, valuation and practical exam in the University.

Table 1.1: List of Industrial Visits

Session	Name of Dept.	Sem	Name of Industry	Date of Visit
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2016-17	CIVIL	VI	Kalmana Railway Station	08/03/17
		VI	Sandesh Infrastructure	01/03/17
		VII	Nagpur Metro Rail Corporation Ltd. Nagpur	20/08/16
		III	Water treatment Plant, Gorewada Nagpur	20/09/16
	MECH	V	Shivam Food Pvt. Ltd(Parle) , Nagpur	29/9/16 and 06/10/16
2015-16	CSE	III	IT, NETWORKZ, Laxmi Nagar, Nagpur	20/08/15
	IT	III	IT, NETWORKZ, Laxmi Nagar, Nagpur	20/08/15
		VI	IT, NETWORKZ Infosystems Pvt. Ltd. Laxmi Nagar Nagpur	27/02/16
	EN	V and VII	IT, NETWORKZ, Laxmi Nagar, Nagpur	22/8/15
	EC	IV and VI	Purti sugar and power limited, Bela	12/03/16
		VI	BSNL, RTTC, Nagpur	27/2/15
	CIVIL	VII	Rai udyog private bus stand and commercial mall	29/07/15
		VI	Economical Housing Scheme	13/02/16
		VI	Shingarey Geotech services, Nagpur	29/02/16
		VI	Shingarey Geotech services, Nagpur	08/03/16
	MECH	V	Shivam Food Pvt. Ltd(Parle) , Nagpur	20/10/15
2014-15	EN	VII	Ideal Electrical Power Ltd, Bela, Nagpur	26/7/14
	EC	IV and VI	Purti sugar and power limited, Bela	23/08/14
	CIVIL	VII	Raman Science Centre	25/08/14
	MECH	V	Purti sugar and power limited, Bela, Borkhedi Nagpur	20/9/14 and 22/09/14
2013-14	CIVIL	III	Water Treatment plant, Pench, Gorewada	23/08/13

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)

- Dr N K Choudhari, Principal (Professor in Electronics and Communication) worked as Chairman BoS and Member, Academic Council form 2010 to 2015. During his regime the syllabus was modified and restructured so as to meet the requirements of the industry. He has conducted many syllabus restructuring workshops at other institutes of University.
- Dr N K Choudhari, Principal (Professor in Electronics and Communication) worked as member BoS 2006-2007. He also worked as a member of special task force during 2015-16, 2016-17.
- Dr Mrs A R Chaudhari, Associate Professor in Chemistry worked as Member, BoS, Applied Science and Humanities from 2010 to 2015. She also worked as a member of special task force during 2015-16, 2016-17.
- Dr Mrs A R Chuadhari has contributed in syllabus restructuring of BE I and II sem. She has also designed the syllabus of two elective subjects for M Tech (CBCS).
- Dr Mrs A R Golhar has contributed in designing the syllabus of elective subject for M Tech (CBCS).
- Prof P R Bokade and D M Kate have contributed in syllabus reframing of Electronics board (CBS).
- College has conducted the three Curriculum development workshop in collaboration with RTM Nagpur University for the Electronics Board both UG and PG in the years 2012, 2014, 2015, 2016.
- Many faculties have attended and contributed in curriculum development workshops from all the departments.
- The feedback from industries is taken during routine interaction and at the time of placement interview regarding up gradation of the syllabus to make it more industry oriented. The college member on board of studies tries to convey these changes to University bodies.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process (Needs Assessment, design, development and planning) and the courses for which the curriculum has been developed.

As the college is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University; we follow the syllabus prescribed by the university. However, many topics out of syllabus are taught in the class which caters the industry

needs. We try to provide the industry exposure and culture through projects, industrial visits, guest lectures, workshops, participation in seminars, symposiums, Technical events, and conferences. Workshops and seminar in collaboration with IITs, Govt organizations like MSME, NPTI and local industries are organized.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- Student feedback (oral and written) is taken on regular intervals so as to ensure the correct delivery of the curriculum.
- Semester wise result analysis is performed at department level, and trend in good results shows the excellence of students in academics hence fulfilling the basic objective of technical education.
- Students are motivated and encouraged to participate in various paper presentation, project exhibitions, poster exhibitions and poster competitions.
- Performance of students in campus placements

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives giving details of the Certificate/diploma/skill development courses etc., offered by the institution.

- Priyadarshini's Centre of Excellence (PCoE) conducts soft skills training to the students on regular basis. In few semesters the soft skill classes are included in regular time table.
- Campus Recruitment Training (CRT) is conducted by experts from organizations like VistaMind, Face, TIME etc.
- Certificate course by Microsoft are conducted
- Employment Enhancement Training EET, soft skill training. Campus To Corporate Training are conducted under Human Excellence Department to improve the employability of students.

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

As our Institute is affiliated to RTM Nagpur University we have to follow the norms and guidelines of the University. In our University such degree programs are not available.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

- Range of Core /Elective options offered by the University and

those opted by the college.

- **Choice Based Credit System and range of subject options.**
 - **Courses offered in modular form**
 - **Credit transfer and accumulation facility**
 - **Lateral mobility within and across programmes and courses**
 - **Enrichment courses**
- The institution provides flexibility to the students of VII and VIII semester in making choice of the elective options depending on their interest from the list of subjects offered by the University.
 - Apart from the minimum required practicals to be performed as per the University syllabus few choice based practicals are offered to the students.
 - Flexibility is provided to the students in selecting the projects topic based on recent trends in industry.
 - In PG we have CBCS (Choice Based Credit System) flexibility is provided to students for selection of open electives.
 - Facility of branch change is provided to students as per the availability of seats and number of students requesting the change of branch.
 - Various enrichment programs like guest lectures, seminars, workshops, symposiums and technical events are conducted on regular basis for the students.

Table 1.2: Summary of Elective Subjects offered semester wise (Session 2016-17)

Sr No	Name of the Branch	Level of Course	Semester / Year	No of electives offered as per teaching scheme
01	Electronics & Communication Engg	UG	VII	04 (Elective -I)
			VIII	04 (Elective -II)
				04 (Elective -III)
02	Computer Sc. & Engg		VII	04 (Elective-I)
				05 (Elective-II)
			VIII	04 (Elective-III)
				04 (Elective-IV)
03	Information Technology		VII	04 (Elective-I)
				04 (Elective-II)
			VIII	04 (Elective-III)
		04 (Elective-IV)		
04	Civil Engg	VII	07 (Elective-I)	

			VIII	11 (Elective-II) 06 (Elective-III)
05	Mechanical Engg		VII	06 (Elective -I)
			VIII	06 (Elective -II) 06 (Elective -III)
06	Electronics Engg		VII	04 (Elective -I)
			VIII	04 (Elective -II) 04 (Elective -III)
07	Computer Sc. & Engg	PG	I	02 (Elective-I) 02 (Elective-II)
			II	02 (Elective-III)
			III	02 (Elective-IV)
08	Electronics Engg		I	03 (Elective -I) 46 OPEN (Elective -II)
			II	02 (Elective -III)

Table 1.3: Elective Subjects offered by the department (Session 2016-17)

Sr No	Level of Course	Name of Branch	Year & Sem	Elective Code	Name of the Elective Subject
01	UG	Electronics & Communication Engg	Fourth / VII	BEECE705T (Elective -I)	VLSI Signal Processing
			Fourth / VIII	BEECE804T (Elective -II)	Wireless Sensor Network
			Fourth / VII	BEECE805T (Elective -III)	Satellite Communication
02	UG	Computer Sc. & Engg	Fourth / VII	Elective-I BECSE403T	TCP and IP
				Elective-II BECSE404T	Mobile Computing
			Fourth / VIII	Elective-III BECSE408T	Clustering & Cloud Computing
				Elective-IV BECSE409T	Advance Wireless Sensor Network
03	UG	Information Technology	Fourth / VII	BEIT704T2 Elective-I	Multimedia systems

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				BEIT705T1 Elective-II	Software testing & quality assurance	
				Fourth / VIII	BEIT803T1 Elective-III	Embedded systems
					BEIT804T4 Elective-IV	Wireless sensor networks
04		Civil Engg	Fourth / VII	BECVE703T Elective-I	Air pollution and Solid waste management	
				BEIT804T4 Elective-IV	Wireless sensor networks	
			Fourth / VIII	BECVE802T Elective-II	Pavement Analysis and Design	
BECVE803T Elective-III	Water and Waste Water Treatment					
05		Mechanical Engg	Fourth / VII	BEME 702T3 (Elective -I)	Automobile Engineering	
				Fourth / VIII	BEME 802T2/P2 (Elective -II)	Computer Integrated Manufacturing
			Fourth / VIII		BEME 802T5/P5 (Elective -II)	Refrigeration and Air conditioning
				BEME 803T1 (Elective -III)	Advanced Manufacturing Technology	
06		Electronics Engg	Fourth / VII	Elective-I BEENE705T	Digital Image Processing	
				Fourth / VIII	Elective-II BEENE804T	Satellite Communication
			Elective-III BEENE805T		Data Compression & Encryption	
07	PG	Computer Sc. & Engg	First / I	PGCSE104T	Software Architecture(E-I) AI & Expert System Design(E-II)	
				PGOPEN105T	Advance Data Mining & Big Data Analytics Cyber Forensic and Computer Crimes	
			First / II	PGCSE204T	Advance Multimedia System	

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					Internet of Things
			Second/III	PGOPEN301T	Security Analysis of Software Advance Databases
08	Electronics (Communication) Engg	First / I		PGECE104/3T (Elective -I)	Advanced Image Processing
				PGOPEN105T (Elective -II)	CMOS VLSI Design
		First / II		PGECE204/2T (Elective -III)	Mobile Communication

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes. All the programmes offered by the institution are self-financed programmes.

The college is a self-financing minority institution, recognized by the DTE, Government of Maharashtra, approved by AICTE and affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

Admissions: Admissions are offered through the centralized admission process (CAP) conducted by DTE, Govt. of Maharashtra.

Curriculum: The institution follows the curriculum prescribed by the affiliating Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Fee Structure: As per Shikshan Shulk Samiti, Govt. of Maharashtra.

Teachers Qualifications: As per AICTE/UGC norms and regulations.

Salary: As per AICTE pay scale.

Sr No	Programme Level	Name of the Programme / Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned / approved student strength	No. of students admitted
1	Under-Graduate Bachelor of Engineering (B.E.)	Computer Sc & Engg	4 Years	HSC (10+2) or equivalent	English	60+3*	58+3*=61
		Information Technology				60+3*	48+3*=51
		Civil Engg				60+3*	52+3*=55
		Mechanical Engg				120+6*	84+6*=90
		Electronics & Comm Engg				60+3*	23+2*=25
		Electronics Engg				Closure from 2016-17	

2	Under-Graduate Bachelor of Engineering B.E. Lateral Entry (Direct II Year)	Computer Sc & Engg	3 Years	Diploma in Engineering or equivalent	English	12	10
		Information Technology				12	01
		Civil Engg				12	33
		Mechanical Engg				24	85
		Electronics & Comm Engg				12	35
		Electronics Engg				12	01
3	Post-Graduate Master of Technology (M. Tech.)	Computer Sc & Engg	2 Years	B.E./B. Tech/MCA	English	18	00
		Electronics & Comm Engg		B.E./B. Tech		24	11

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

Yes. Priyadarshini Centre of Excellence aims at empowering and synergizing human resources to achieve excellence in one’s own life and in the process improve the quality of life of others. It acts as a catalyst in the journey of self exploration and self empowerment through its unique training programs.

- Soft Skill Training (SST)
- Employability Enhancement Training (EET)
- Campus Recruitment Training (CRT)
- Campus To Corporate Training (C2C)

Table 1.4: List of Soft Skill Training Programs Conducted

Sr No	Date of Event	Name of the Skill Oriented Programs	No of Beneficiaries
01	19 Jan 2017	Logic session on “Short Tricks”	54
02	21 to 23 Jan 2017	Microsoft Certification course	22
03	31 Jan 2017	AMCAT Examination	20
04	2 nd Feb 2017	CoCube Examination	25
05	21 st Jan 2017	Lakshaya GATE session to crack the GATE	In all final year classes
06	13 Feb 2017	Smart Skill Tech Pvt Ltd session and assessment Test	42
07	13 Feb 2017	Session By Mr Atul Barge, Redhat and Oracle 11g certified Administrator on “Cloud	39

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		computing and Hacking”	
08	Regular in July/Aug 2017(04:00PM to 6:00 PM)	Aptitude Practice, Interview Techniques and Presentation guidance by Last year Selected Students and Training and Placement In charge.	Regular attendance 41
09	19 July 2016	COCUBES ORIENTATION	105
10	20 July 2016	TCS Webinar 01:An introductory webinar series on interview preparations	65
11	27 July 2016	TCS Webinar 02:Resume Building Tips	60
12	01 Aug 2016	SDG session : “Self Assessment and Interview Assessment ”	58
13	04 Aug 2016	TCS Webinar 03:Preparation for an Interview	45
14	05 Aug 2016	Opulent Infotech Pvt Ltd session: Preplacement talk and How to make Inovative Final year project.	72
15	17 Aug 2016	TCS Webinar 04:TCS Overview	45
16	27 Aug 2016	Mr Deshmukh ,Sr Tech Lead, Persistent Nagpur	41
17	29 Aug 2016	TCS Webinar 05:Non Verbal Communication".	39
18	30 Aug 2016	Microsoft Certification Session by ATS Infotech	60
19	31 Aug 2016	AMCAT Presentation by Mr ZEESHAN ALI	35
20	July / Aug 2016	FACE ONLINE Aptitude Practice and Mock test	85 students registered and other than college hours
21	Aug 2016	Pariksha ONLINE Aptitude Practice and Mock test	Online registration and other than college hours
22	Aug/Sep 2016	GTT ONLINE Aptitude Practice and Mock test	104

23	12 to 18 Sept 2016	40 hrs C session for EC/EN Final Year Students by GTT	53
24	12 to 18 Sept 2016	40 hrs JAVA session for CSE/IT Final Year Students by GTT	51
25	29 and 30 June 2016	Soft Skill C2C Training	In all final year classes
26	02 Aug 2016	Soft Skill Session	In all final year classes
27	19 Aug 2016	Group Discussion (Navy) by Prof V M Atkari	45

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice? If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

Our University does not provide such programs in Engineering and Technology.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

- Guest Lectures of various industry and academic experts are conducted regularly for updating the knowledge.
- Industrial visits are organized on regular basis so as to give industry exposure to students.
- Workshops and seminar in collaboration with IITs, Govt. organizations like MSME, NPTI and local industries are organized.
- Evaluation of Project by experts from industry and academia is done.
- MoU’s are signed and kept alive by conducting the workshops and seminar by the concerned industries.
- After evaluation of internal assessment exam academically weak students are identified and same is communicated to parents, special remedial classes are conducted in the extra hours so as to improve their performance. As well as advanced learners are also identified and motivated to improve their performance by special counseling.
- Crash course and performance improvement workshops are conducted at the end of each semester so as to revise the important topics.
- Students are advised to undertake internships programs to keep updates as per the industry norms.
- The University curriculum is compensated by expert lectures, industrial visits, mini-project and major-project implementation.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

- Various soft skill training programs are conducted for the students to improve the employability
- Campus Recruitment Training (CRT) is organized and conducted by the Training and Placement Cell in association with Central Training and Placement at Sanstha Level. The experts are from reputed outside institutes who provide the in depth training.
- Activities like industrial visits, industrial tours, guest lectures, seminars and workshops are conducted at all the departments to fulfill the goals.
- National level technical event “**Addhyayan** “is conducted to provide the platform to show case the talent of the students.
- Departmental forums conduct activities like online tests, mock aptitude tests and mock GATE tests.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

Following are the efforts made by the institution to integrate the cross cutting issues like:

Gender:

Institution offers Co-Education; Girls and boys are encouraged to work together in various curricular, co-curricular, sports activities. There is no discrimination made in offering the various committees to girls & boys.

Environmental Education and Climate Change:

Environmental Study is the compulsory subject in II year of the syllabus prescribed by the University for all branches. Under NSS Cell, the college conducts various programs which address issues related to environmental education, like Save Water, Save Trees, Swachh Bharat Abhiyaan.

Human Rights:

College has following committees related with human rights.

- Internal Complaint Committee
- Students Grievance Cell
- Anti-Ragging Cell

Special provisions are provided for persons with disabilities like wheel-chair ramp, separate toilets for handicap.

Scholarships are provided to socially and economically backward students form government state level agencies.

ICT:

- Campus is WiFi enabled to promote the use of ICT
- College has around 585 computers which is more than enough to cater the needs students and staff.

- LCD projectors are available at department level as well as in seminar hall.
- Multimedia section of Library is equipped with NPTEL CDs, E- boks, Springer publications and online sources, DELNET subscription.
- Library has KOHA software for online library operations.
- College has its own inhouse ERP software which includes modules for leave record, stock, accounts, academic.
- College has fully equipped language lab.

1.3.4 What are the various value-added courses/ enrichment programmes offered to ensure holistic development of students?

- **Moral and ethical values**
- **Employable and life skills**
- **Better career options**
- **Community orientation**

Table 1.5: List of Courses

Value Added Course	Title of The Program
Moral And Ethical Values	To Know Your Physiotherapy By Your Own
	Road Safety And Traffic Rules Awareness
	Role of The Modern Youth In Nation Building
	Mental Hygiene By Diya Foundation
Employable And Life Skills	Guest Lecture on Java Applications In Software Development
	One Day Workshop On Project Development on Java
	One Day Workshop on Web Page Development
	Aptitude Development
	Guest Lecture on Revit Software
	Structural Analysis Using Staad Pro
	Guest Lecture on Auto Cad
	Guest Lecture on Revit Software
	Msp Primavera
	Structural Analysis Using Staad Pro
	Aptitude Enhancement
	How To Prepare For Competitive Examinations
	One Day Workshop Computer Networks
	One Day Workshop on Web Application Development

	One Day Workshop on Windows Application Development
	Technical Guest Lecture on “Network Technology And Devices”
	Technical Guest Lecture on “Emerging Trends In It” Management Skills
	Expert Lecture On “How To Prepare Aptitude And Technical For The Campus Placement Of Persistent Company”
	Expert Lecture On Ethical Hacking And Cyber Security
	Guest Lecture By Cdacc
	Motivational Speech On Success Concept In Life or Successful Carrier
	Various Automation Techniques
	Congestion Control In Wireless Sensor Network
	Workshop : “ Circuit Simulation And Pcb Designing”
	Guest Lecture on “Recent Trends In Industrial Project”
	Guest Lecture on “Project Guidance”
	Two Days Workshop On Ethical Hacking & Cyber Security In Association With Techfest , IIT Bombay And Wegilant Net Solution , Mumbai
	Expert Lecture on “Advanced Php Professional”
	Expert Lecture on “Fiber To Home And Broadband Services ”
	Workshop Apps Fluxus 2014 “Android Apps Championship”
	Guest Lecture on “Latest Technologies Used In Industrial Automation Sector (Plc-Scada)”
	Technical Guest Lecture on “Fundamentals of Vlsi Technology”
Better Career Options	Guest Lecture on Latest Trends In Information Technology
	Current Trends For Control System In Today's Industries
	Microprocessor Designing
	Guest Lecture on Gate Forum
	Careers In Civil Engineering

	Career Development
	Career Development
	Design Application In Mechanical Engineering
	Guest Lecture “Emerging Trends In Information Technology”
	Project Drive For III Year Students By It-Networkz Private Limited
	Tcs Code Vita Online Exam
	Emerging Trends In IT
	Hardware & Network Connectivity
	Value Added Courses In Embedded Domain
	Finite Element Analysis For Product Design
	Advance Engineering
	Role Of Mechanical Engineering & Future Prospects
	Guest Lecture On “Career Opportunity In IT Industry”
Community Orientation	Mission Health Who
	Heart Diseases And Life Style

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

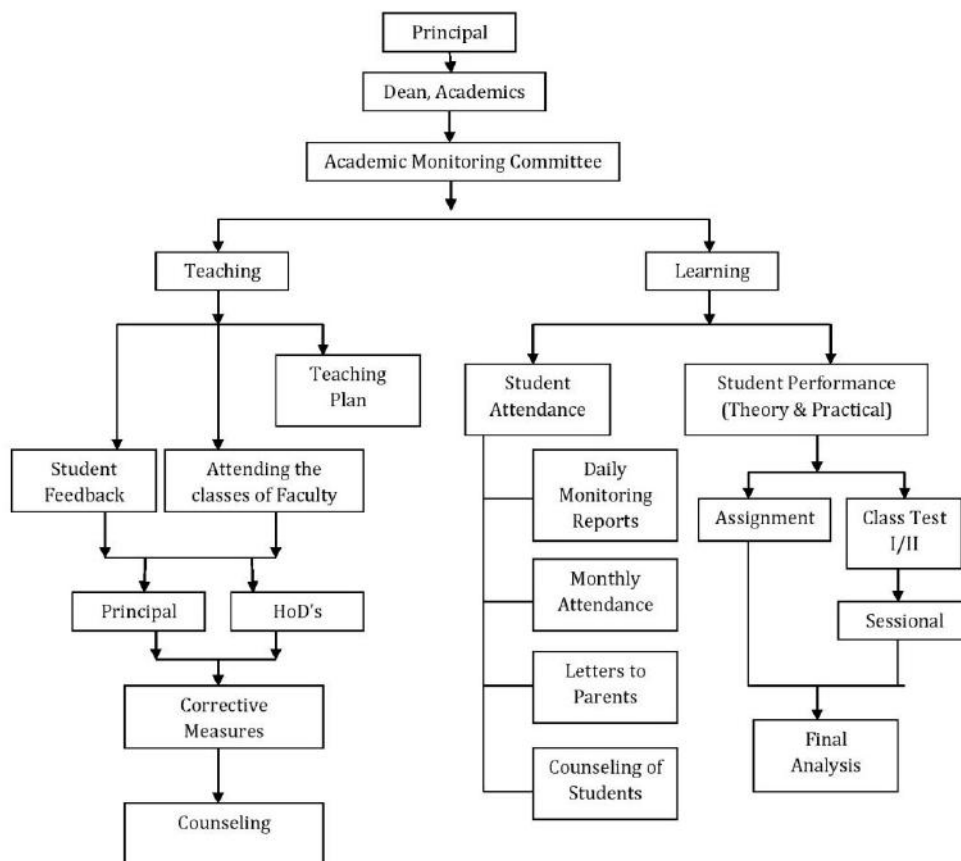
- It is our routine practice to take feedback from students on teaching-learning process and other college facilities in every semester. Based on this feedback Principal and HoD’s take corrective measures for improvement of system.
- We also take feedback from parents, alumnis, and employers for improvement in overall system.
- Few parents suggested that for weak students separate classes should be conducted.
- Presently we conduct parents meet once in a semester. Few parents suggested to conduct the parents meet frequently.
- Few employers suggested that college should take additional efforts to improve the interpersonal skills of the students.
- From the analysis of student’s feedback, the teachers are suggested for improvement in specific areas.
- Alumnis were satisfied with the culture which was inculcated in them during four year degree course. The disciplined culture of the college is helping them to rise the ladder of success in their career. They suggested increasing more training and placement activities.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

- College provide transparent and clear environment to evaluate the quality of its enrichment programs.
- Academic monitoring committee at central level and department level monitors the teaching-learning process. Faculty members are counseled to improve their performance.
- The review of progress is taken to see the implementation of suggested guidelines.
- Final year Project evaluation is done by experts from industry and academia.
- Performance of students in internal assessment and University exams.
- The quality of assignment submitted by students.
- Performance of students in various co-curricular and extra-curricular activities.
- Performance of students in Training and placement activities.

Figure 1.2: Academic Monitoring System

Academic Monitoring System Flowchart



1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- Dr N K Choudhari, Principal (Professor in Electronics and Communication) worked as Chairman BoS form 2010 to 2015. During his regime the syllabus was modified and restructured so as to meet the requirements of the industry. He has conducted many syllabus restructuring workshops at other institutes of University.
- Dr N K Choudhari, Principal (Professor in Electronics and Communication) worked as member BoS 2006-2007. He also worked as a member of special task force during 2015-16, 2016-17.
- Dr Mrs A R Chaudhari, Associate Professor in Chemistry worked as Member, BoS, Applied Science and Humanities from 2010 to 2015.

She also worked as a member of special task force during 2015-16, 2016-17.

- Dr Mrs A R Chuadhari has contributed in syllabus restructuring of BE I and II sem. She has also designed the syllabus of two elective subjects for M Tech (CBCS).
- Dr Mrs A R Golhar has contributed in designing the syllabus of elective subject for M Tech (CBCS).
- Prof P R Bokade and D M Kate have contributed in syllabus reframing of Electronics board (CBS).
- College has conducted the three Curriculum development workshop in collaboration with RTM Nagpur University for the Electronics Board both UG and PG in the years 2012, 2014, 2015, 2016.
- Many faculties have attended and contributed in curriculum development workshops from all the departments.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

College has its own process to obtain feedback on curriculum from students, alumni, industry experts and parents. These suggestions are analyzed and if any changes in the curriculum are suggested, those changes are communicated to Board of Studies through meetings and Workshops conducted by the University. This helps in improving the curriculum and introducing new changes.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes? Any other relevant information regarding curricular aspects which the college would like to include.

Table 1.6: List of new programs introduced in last four years

Sr No	Level of the Program	Name of the Program	Year of Starting	Intake
01	PG	M Tech Electronics Engg (Communication)	2014-15	24

The rational for introducing the above course is as follows:

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- To develop the manpower in the field of electronics and communication engg.
- To utilize the existing well developed infrastructure and facilities for the course
- To develop the research culture among the graduate students.

CRITERION II - TEACHING LEARNING AND EVALUATION

2.1 Student Enrolment and Profile.

2.1.1 How does the college ensure publicity and transparency in the admission process?

The Admission process is governed by DTE, Maharashtra norms and policies. College strictly adheres to the rules and regulations of the DTE.

- The college has set up its own Admission Counseling Cell which plans and executes the admission related activities.
- The publicity of the college and admission process is done through newspaper advertisements, FM radio advertisements, cable network advertisements and hoardings at prominent locations throughout and outside the city of Nagpur.
- Admission cell also conducts the career counseling seminars for the students of XII standard and polytechnic students in and around Nagpur.
- Schools and Junior colleges are identified around local area and they have been regularly contacted and guide regarding the DTE admission procedure, changes in eligibility criterion, schedule for registrations of JEE and MHT-CET exams.
- The students in nearby colleges and schools are invited in the college campus alongwith their teachers to get insight into the engineering education and career prospects available.
- Students visit various laboratories, library, Computer Centre etc. and special guidance is given to the area of interest and inclination.
- Timely messages are sent to the appearing students informing document preparation, admission forms and process.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) Merit (ii) Common admission test conducted by state agencies and national agencies (iii) Combination of merit and entrance test or merit, entrance test and interview(iv) Any other) to various programmes of the Institution.

Eligibility Criteria for B.E. First Year Courses

1) Maharashtra State Candidature Candidate -

- i. Candidate should be an Indian National and
- ii. Passed HSC or its equivalent examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry or Biotechnology or Biology or Technical or Vocational subjects and obtained at least 50 % marks (at least 45% marks, in case of Backward class categories and Persons with

Disability candidates belonging to Maharashtra State only) in the above subjects taken together;

OR

Passed Diploma in Engineering and Technology and obtained at least 50% marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

OR

Passed B.Sc. Degree from a Recognized University as defined by UGC and obtained at least 50 % marks (at least 45 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only);

iii. Obtained score in CET conducted by the Competent Authority.

Eligibility Criteria for B.E. Direct 2nd Year Courses

For Maharashtra State Candidature Candidate and All India Candidature Candidate.—

1. The Candidate must be an Indian National.
2. Passed the 3 year Post-SSC or Post-HSC Diploma Course in Engineering/Technology with at least 45% marks (40% marks in case of candidates of backward class categories and Physically Handicapped belonging only to Maharashtra State) in appropriate branch of Engineering / Technology from an AICTE approved Institution with English as the medium of instruction at Diploma level.

OR

Passed B.Sc. Degree from a University Grants Commission (UGC) or Association of Indian Universities recognized University with at least 45% marks (40% in case of candidates of Backward class categories and Persons with Disability belonging to Maharashtra State only) and passed HSC with Mathematics as a subject Provided that students belonging to this category shall clear the subjects of Engineering Graphics/ Engineering Drawing and Engineering Mechanics of the first year Engineering Program along with second year subjects.

3. Any other criterion declared by appropriate authority from time to time.

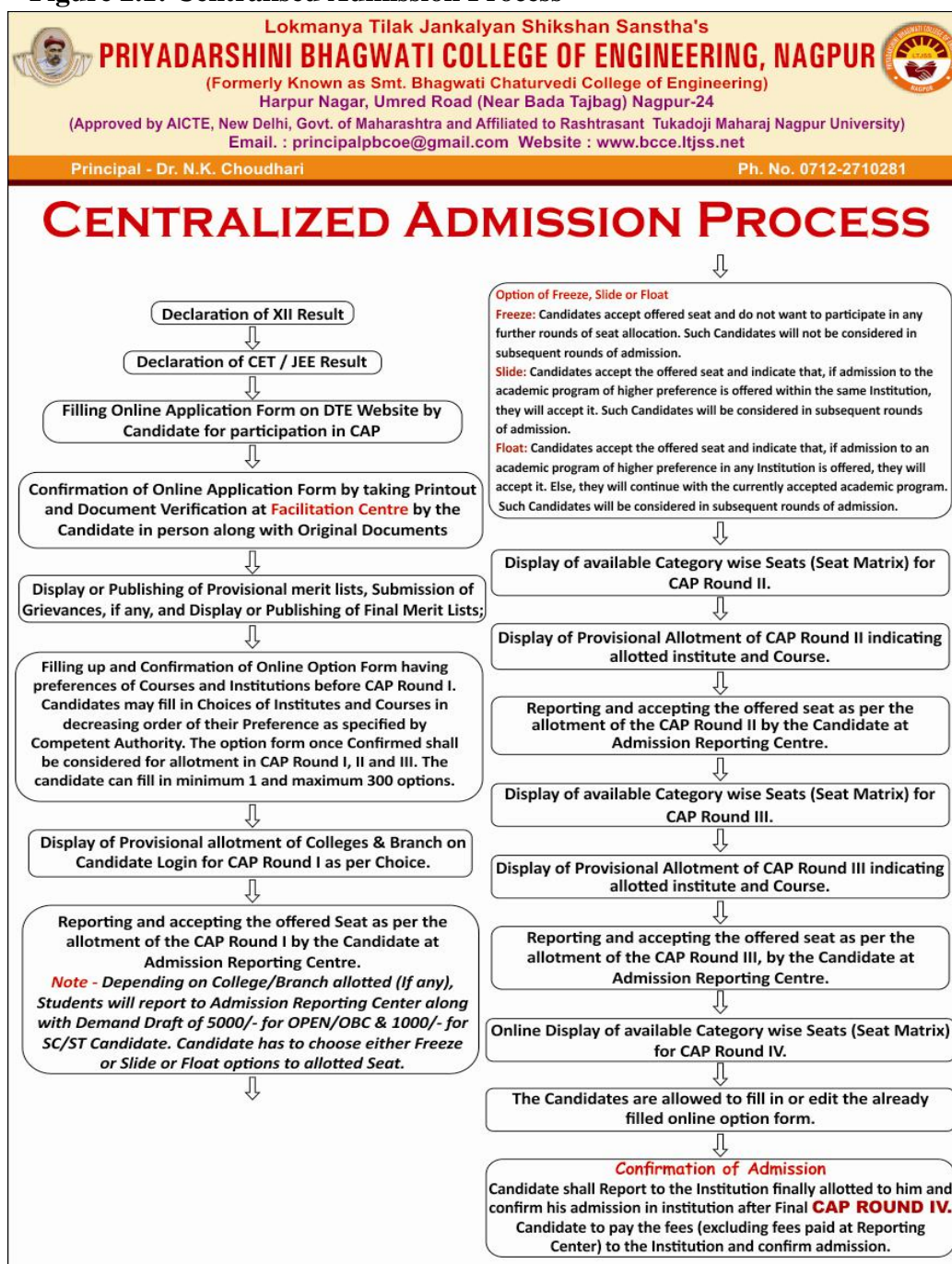
Eligibility Criteria for M. Tech First Year Courses

For Maharashtra Candidature Candidates and All India Technology Candidature Candidates.—

- i. The Candidate should be an Indian National;
- ii. Passed Bachelor Degree in the relevant field of Engineering and Technology from All India Council for Technical Education or Central or State Government approved institutions or equivalent, with at least 50% marks (at least 45% marks in case of candidates of Backward class categories and persons with disability belonging to Maharashtra State only);
- iii. Passed Bachelor Degree in the relevant course of Engineering and Technology as

- specified in the eligibility criteria for admission to a Post Graduate Degree course of the concerned University for which admission is being sought;
- iv. Obtained score in Graduates Aptitude Test in Engineering (GATE) conducted by Indian Institute of Technology;
 - v. For sponsored candidates, minimum of two years of full time work experience in a registered firm/ company/ industry/ educational and/ or research institute/ any Government Department or Government Autonomous Organization in the relevant field in which admission is being sought.

Figure 2.1: Centralised Admission Process



2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The minimum and maximum percentage at entry level and comparison with other colleges is as given below.

Table 2.1: Minimum- Maximum Percentage Marks for last four years

Year	Name of the Programme	Minimum Percentage	Maximum Percentage
2016-17	Electronics & Communication Engg	45	79.67
	Computer Sc. & Engg	45	91
	Information Technology	45	74.33
	Civil Engg	45	76.33
	Mechanical Engg	45	86.11
	Electronics Engg	----	-----
2015-16	Electronics & Communication Engg	52	82.46
	Computer Sc. & Engg	50	81.60
	Information Technology	50	74.15
	Civil Engg	51	89.50
	Mechanical Engg	51	82.50
	Electronics Engg	52.46	79.23
2014-15	Electronics & Communication Engg	50	75.69
	Computer Sc. & Engg	50	77.69
	Information Technology	46	74.92
	Civil Engg	49	86.15
	Mechanical Engg	49	82.15
	Electronics Engg	52.77	68.46
2013-14	Electronics & Communication Engg	41.33	76.33
	Computer Sc. & Engg	40	79.66
	Information Technology	39.66	66
	Civil Engg	40	62
	Mechanical Engg	40	73.33
	Electronics Engg	40	71

**Table 2.2: Comparative Admission Status with other Colleges
Branch: Computer Sc. & Engg**

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Session	PBCOE			SCOET, Nagpur			SRPCOE, Nagpur		
	Min %	Max %	% Admission	Min %	Max %	% Admission	Min %	Max %	% Admission
2016-17	45	91	97	45	74	36.6	46	71	38.3
2015-16	50	81.60	100	45	69	68.3	45	70	40.0
2014-15	50	77.69	58	46	73	33.3	45	61	52.2
2013-14	40	79.66	88	40	66	36.6	41	75	60.0

Branch: Information Technology

Session	PBCOE			SRPCEW, Nagpur			SRPCOE, Nagpur		
	Min %	Max %	% Admission	Min %	Max %	% Admission	Min %	Max %	% Admission
2016-17	45	74.33	80	47	66	8.33	46	66	23.3
2015-16	50	74.15	32	46	50	11.66	44	60	30.3
2014-15	46	74.92	28	45	69	13.37	45	52	35.6
2013-14	39.66	66	43	41	60	6.66	40	49	39.8

Branch: Civil Engineering

Session	PBCOE			SCOET, Nagpur			JLCOE, Nagpur		
	Min %	Max %	% Admission	Min %	Max %	% Admission	Min %	Max %	% Admission
2016-17	45	76.33	87	46	74	36.6	44.67	78.33	86.66
2015-16	51	89.50	83	44	65	56.6	44.67	69.33	98.33
2014-15	49	86.15	73	45.67	61	45	45	69.67	86.66
2013-14	40	62	100	42	60	78	40.33	81.66	100

Branch: Mechanical Engg

Session	PBCOE			SCOET, Nagpur			SRPCOE, Nagpur		
	Min %	Max %	% Admission	Min %	Max %	% Admission	Min %	Max %	% Admission
2016-17	45	86.11	70	45	45	18.3	44	72	79
2015-16	51	82.50	56	47	47	25.8	45	78	83
2014-15	49	82.15	65	45	45	37.5	44	83	85
2013-14	40	73.33	100	39.66	39.66	58	41	65	86

Branch: Electronics & Comm. Engg

Session	PBCOE			SCOET, Nagpur			SRPCOE, Nagpur		
	Min %	Max %	%	Min %	Max %	%	Min %	Max %	%

	%	%	Admission	%	%	Admission	%	%	Admission
2016-17	45	79.67	38	44	66	10	44	79	49
2015-16	52	82.46	43	45	50	05	46	75.83	58
2014-15	50	75.69	30	45	61.67	13.3	44	84	63
2013-14	41.33	76.33	68	40.66	69	20	41	62	65

Branch: Electronics Engineering

Session	PBCOE			JLCOE, Nagpur			SRMCEW, Nagpur		
	Min %	Max %	% Admission	Min %	Max %	% Admission	Min %	Max %	% Admission
2016-17	---Branch Closure ---			44.67	61.33	6.6	--	---	---
2015-16	50.46	79.23	20%	45	62.17	20	---	--	---
2014-15	52.77	68.46	3.3%	50	50	1/60	48	48	1.6
2013-14	40	71	30%	40.33	68.66	29/60	47	61	15

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes‘what is the outcome of such an effort and how has it contributed to the improvement of the process?

The college has the process of review of admission through admission cell. Admission Cell actively monitors and interacts with the prospective students and parents through counseling in various forms. The details are as below:

- Every year at the end of admission process we do the admitted students analysis based on basic profile, family background, locality, PCM percentage, Aggregate percentage and MHT-CET/JEE merit marks.
- This helps us to know the trend and inclination branch wise as well his/her background. This also helps us to get an idea about the percentage of students admitted area wise and locality wise.
- The academic performance of the qualifying examination helps us to identify the academically weaker, average and brighter students. Based on this we prepare our strategy for effective delivery of curriculum.
- This analysis helps us to focus on specific localities and schools for admission counseling.
- Students interested in Sports, technical, extra-curricular and cultural activities are identified and noted at First Year level, which helps us to encourage them for further improvement in the relevant area of interest.
- As it is observed that students in our locality are weaker in communication skill we have conducted the English speaking courses in summer vacation for XII appeared students.

- This analysis helps us to provide proper counseling to the students and parents in engineering education.
- All the above analysis of students profile helps us to improve our admission in last two academic years. The example of this is increase in admission of Information Technology branch in 2016-17 in spite of slowdown in Nagpur region.



Admission Counseling Seminar

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion.

- * **SC/ST**
- * **OBC**
- * **Women**
- * **Differently able**
- * **Economically weaker sections**
- * **Minority community**
- * **Any other**

We provide equal opportunities to students from different sections of society. For girl's students our college is very safe as we have disciplined environment. The parents of Girl students are very much satisfied with our culture and system. We also follow all the reservation and scholarship policies declared by the state government authorities from time to time. We also have

students from other minorities along with Hindi Minority. We provide the concession in fees for economically weaker sections and meritorious students from all categories. This has reflected in the increasing trend in admission in last two years. Following table show the details of this inclusion:

Table 2.3: Student Diversity and inclusion Profile

Sr No	Categories	Session 2016-17		Session 2015-16		Session 2014-15		Session 2013-14	
		Male	Female	Male	Female	Male	Female	Male	Female
1	SC	62	33	55	34	37	24	50	35
2	ST	06	02	02	02	01	01	00	01
3	OBC	149	79	116	71	101	65	136	82
4	GENERAL	31	22	41	40	45	30	59	34
5	MINORITY COMMUNITY	12	03	08	06	09	04	09	02
6	SBC	24	12	14	18	12	10	13	11
7	NT	13	08	13	09	08	12	11	11

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i. e. reasons for increase / decrease and actions initiated for improvement.

The detail of the programs offered by the college and demand ratio is as shown below.

Table 2.4: Details of the programs offered and Demand ratio.

Programmes	Number of Applications	Number of students admitted	Demand Ratio
UG B.E. Computer Sc. & Engineering			
2016-17	58+3* = 61	58+3* = 61	1.0
2015-16	60+3 = 63	60+3 = 63	1.0
2014-15	35+2 = 37	35+2 = 37	1.0
2013-14	53+3= 56	53+3= 56	1.0
UG B.E. Civil Engineering			
2016-17	52+3=55	52+3=55	1.0
2015-16	50+01 = 51	50+01 = 51	1.0
2014-15	44+03 =47	44+03 =47	1.0
2013-14	60+03=63	60+03=63	1.0
UG B.E. Mechanical Engineering			

2016-17	84+06=90	84+06=90	1.0
2015-16	67+06=73	67+06=73	1.0
2014-15	78+06 =84	78+06 =84	1.0
2013-14	120+06 =126	120+06 =126	1.0
UG B.E. Information Technology			
2016-17	48+03 =51	48+03 =51	1.0
2015-16	19+03 =22	19+03 =22	1.0
2014-15	17+02 = 19	17+02 = 19	1.0
2013-14	26+03 =29	26+03 =29	1.0
UG B.E. Electronics & Comm. Engineering			
2016-17	23+02 =25	23+02 =25	1.0
2015-16	26+02 =28	26+02 =28	1.0
2014-15	18+03 =21	18+03 =21	1.0
2013-14	38+03 =41	38+03 =41	1.0
UG B.E. Electronics Engineering			
2016-17	Course Closure from this session		
2015-16	12+02 =14	12+02 =14	1.0
2014-15	02+02 =04	02+02 =04	1.0
2013-14	18+03 =21	18+03 =21	1.0
PG M. Tech. Computer Sc. & Engineering			
2016-17	0	0	NIL
2015-16	17	17	1.0
2014-15	18	18	1.0
2013-14	18	18	1.0
PG M. Tech. Electronics Engg. (Communication)			
2016-17	11	11	1.0
2015-16	14	14	1.0
2014-15	17	17	1.0
2013-14	NA	NA	NA

*Including TFWS

Trends: From above table we can see that CSE branch has maintained the continuous upward trend which was followed by the IT branch last year. This happens because of good career opportunity in the IT sector. It is observed that students have more inclination towards core branches like Civil and Mechanical. In PG course as the eligibility criterion has been changed from last year, the admissions are decreased. As there are more opportunities in software industries with higher packages the inclination of students is less in

perusing PG course in CSE. As there is a slowdown in Electronics field, this has reflected in the number of admission in EC branch.

2.2 Catering to Diverse Needs of Students

2.2.1 How does the institution cater to the needs of differently- able students and ensure adherence to government policies in this regard?

The college follows the policies of Maharashtra State Government regarding the needs of differently-able students.

- Ramps are constructed for differently able students.
- Separate toilets are available for them.
- In case of serious physical disability, classes are arranged in the ground Floor.
- During examinations physically challenged, ill and physically unfit students are being provided with writers and their examination is conducted on ground floor as per university norms if necessary.

2.2.2 Does the institution assess the student's needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes we have the process of assessing the students need in terms of knowledge and skills.

- The students in nearby colleges and schools are invited in the college campus along with their teachers to get insight into the engineering education and career prospects available.
- Students visit various laboratories, library, Computer Centre etc. and special guidance is given to the area of interest and inclination.
- As it is observed that students in our locality are weaker in communication skill we conduct the English speaking courses in summer vacation for XII appeared students.
- College also conducts the Induction program for the newly admitted students and their parents. In Induction program the students and parents are provided with the information related to academic calendar, schedule for internal assessment, schedule for various co-curricular and extracurricular activities, Time Table, Extra and Remedial classes, sports activities, technical activities etc.
- Parents are provided with the information of Teacher-Guardian scheme. Our college has a Psychological counselor which helps the needy students to cope up with personal problems.
- The students and parents are taken for campus visit to make them comfortable with the campus environment.
- A photo copy of list of phone numbers of Principal, Head, Anti ragging committee and class in charges is provided.

- At second year level, students of lateral entry are given extra special coaching in holidays and Sundays to bridge the gap between regular students and them.
- The interaction of Heads of various departments, training and placement officer, Anti ragging incharge and various portfolio and Cell incharges is organized with students and parents to get an overview.



Induction Program

2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/Remedial/Addon/Enrichment Courses, etc.)

- Orientation program is conducted for the enrolled students to get an idea about the new subjects. In this program the scheme and syllabus, objectives, teaching methodology, pattern of internal exam, distribution of internal marks, examination pattern is discussed and conveyed.
- Basic concepts of all subjects are revised by senior teachers and students are encouraged to clear their doubts.
- English communication skill classes are conducted in Language laboratory.
- Soft Skill Training is provided to students so as to groom their overall personality.

- At second year level, students of lateral entry are given extra special coaching in holidays and Sundays to bridge the gap between regular students and them.
- The training and placement cell arranges and conducts various skill development programs for the capacity building of the students.
- Various enrichment programs like workshops, seminars, conferences, technical events, sports are conducted.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment, etc.?

Institution offers Co-Education; Girls and boys are encouraged to work together in various curricular, co-curricular, sports activities. There is no discrimination made in offering the various committees to girls & boys. Environmental Study is the compulsory subject in II year of the syllabus prescribed by the University for all Branches. Under NSS Cell, the college conducts various programs which address issues related to environmental education, like Save Water, Save Trees, Save Girl Child, Swachh Bharat Abhiyaan etc.

College has following committees related with human rights.

- Internal Complaint Committee
- Students Grievance Cell
- Anti-Ragging Cell

Internal Complaint Committee conducts meetings and organizes workshops to make the staff and students aware about the act for women's safety.

NSS cell regularly conducts various awareness programs through rally's, seminars and workshops on the social issues.

2.2.5 How does the institution identify and respond to special educational / learning needs of advanced learners?

The college has the following strategy to identify and respond needs of advanced learners:

- Based on internal and University performance as well as class performance of the students, advanced learners are identified by the department faculty and Heads.
- Entry level student profile is also used to identify the student in advanced learner category.
- Advanced learners are counseled and motivated to take part in many activities like workshops and conferences.
- Faculty and Heads guide them for specific inputs required on the topic of interest.

- Students at UG and PG level are encouraged to publish their research and project work in journals and conferences.
- Mock GATE test are conducted and good students are identified for further advanced teaching in specific subjects.
- Syllabus wise coverage and detailing is also done for the subjects in the semester for better University rank and results.
- Extra contact hours are also provided for advanced learners.
- Every department has its own Departmental Forum, in which advanced learners are given additional responsibility.
- College Library also supports the advanced learners by providing the resources like research publications, reference books, online resources over and above the regular timings.
- Special inputs on tools like Google scholar, searching various databases for publications, presenting PPTs, writing and reading technical papers at PG level is done.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

- Students Performance in internal assessment exams, attendance in theory, tutorial and practical classes, and previous University results is used to identify the students at risk of drop out.
- Student's behavior is regularly monitored by Class in charge and Teacher-Guardian and reported to the Head of department and Principal.
- Interaction of Teacher Guardians and class in charges with parents helps to identify behavioral changes in the student.
- College has appointed a psychological counselor. The counselor helps the students to cope up with the various challenges in personal and academic life of the student.
- Remedial classes are conducted for academically weak students.
- Personal attention is given to students at risk of drop out.
- Continuous counseling is done at department level through HoD and senior faculties. In some cases even the Principal of the college also counsel the student and their parents.
- Economically weaker students are identified at department level and concession in fees and help at personal level is provided.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print etc.)

- Being affiliated to RTM Nagpur University, we follow the academic calendar proposed by the University every year. Based on this academic calendar the college level academic calendar is prepared.
- The Heads of various departments prepare departmental academic calendar based on the college academic calendar, which is circulated to staff and students

**Table 2.5: Academic Calendar (College Level)
Academic Year 2016-17
Even Semester**

Month	Dates	Event
December 2016 (6 working days)	26 th	Commencement of Classes
January 2017 (25 Working days)	16 th to 21 st	Guest Lectures
	23 rd to 25 th	Kridamahotsav (College level sports meet)
	27 th to 28 th	Submission of Assignment I
February 2017 (23 Working Days)	1 st to 7 th	Class Test I
	2 nd	Display of Attendance for Dec-Jan
	2 nd / 3 rd Week	Industrial Tour
	14 th	Result of Class Test I
	15 th to 24 th	Remedial Classes
	4 th Week	Forum Activities
	25 th	Parents Meet
	27 th -28 th	Submission of Assignment II
March 2017 (25 Working Days)	1 st to 7 th	Class Test II
	2 nd	Display of Attendance for Feb.
	18 th	Addhyayan- National level Student Convention
	14 th	Result of class Test II
	15 th to 24 th	Remedial Classes
	25 th to 31 st	Internal Practical Exam.
	31 st	Conclusion of class room teaching

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April 2017 (11 Working Days)	1 st to 8 th	Sessional Exam
	2 nd	Display of Attendance for March
	10 th to 15 th	Performance Improvement Workshop / Crash Course
	17 th	Final Year Project Exhibition
	3 rd week	University Practical Examination
May 2017	1 st Week	Academic Audit & Stock Verification for all departments
	2 nd onwards	Commencement of University Theory Exam.

Note:

1. Time slot for remedial classes will be 9am to 10am and 5.30 pm to 6.30pm.
2. Technical activities like seminar/ expert lecture/ workshop/ aptitude test will be conducted on Saturdays from 3.30 pm to 5.30.
3. University Examination dates are tentative

Dr. (Mrs.) A.R.Chaudhari
Dean Academic

Dr.N.K.Choudhari
Principal

Table 2.6: Sample Teaching Plan Even Semester 2016-17

Branch	Sem.	Section	Faculty	Subject/Subject Code
Fourth year	VIII semester	A	Ms. S. S. Wankhede	Clustering & Cloud Computing / BECSE408T

Unit No.	Topic Code	Topic Description	Proposed Dates	Engaged Dates
I	1.	Introduction to Cloud Computing	26/12/16	
	2.	History of Cloud Computing	27/12/16	
	3.	Cloud service providers	28/12/16	
	4.	Properties, Characteristics & Disadvantages of Cloud Computing	31/12/16	

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	5.	Pros and Cons of Cloud Computing, Benefits of Cloud Computing	2/2/2017	
	6.	Cloud computing vs. Cluster computing vs. Grid computing.	3/1/2017	
	7.	Legal issues when using cloud models	4/1/2017	
	8.	challenges in cloud computing	7/1/2017	
	9.	Overview of Mobile Cloud.	9/1/2017	
II	10.	Cloud Computing Architecture: Cloud computing stack	10/1/2017	
	11.	Comparison with traditional computing architecture (client/server)	11/1/2017	
	12.	Services provided at various levels	14/01/17	
	13.	How Cloud Computing Works	16/01/17	
	14.	Role of Networks in Cloud computing, protocols used	17/01/17	
	15.	Role of Web services, Service Models (XaaS)	18/01/17	
	16.	Infrastructure as a Service (IaaS), Platform as a Service(PaaS), Software as a Service(SaaS)	21/01/17	
	17.	Virtualization Technology: Virtual machine technology	23/01/17	
	18.	virtualization applications in enterprises	24/01/17	
	19.	Pitfalls of virtualization	25/01/17	
	20.	Infrastructure as a Service (IaaS) using OpenStack/OwnCloud	28/01/17	
III	21.	Big Data Analysis, Hadoop and Map Reduce: Introduction	30/01/17	
	22.	Clustering Big Data, Classification of Big Data	31/01/17	
	23.	Hadoop Map Reduce Job Execution	1/2/2017	
	24.	Hadoop scheduling	4/2/2017	
	25.	Hadoop cluster setup	6/2/2017	
	26.	configuration of Hadoop	7/2/2017	
	27.	Starting and stopping Hadoop cluster	8/2/2017	
IV	28.	Security in Cloud: Cloud Security Challenges	11/2/2017	
	29.	Infrastructure Security, Network level security, Host level security	13/02/17	
	30.	Application level security, data privacy, data security	14/02/17	

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	31.	application security, virtual machine security	15/02/17	
	32.	Identity Access Management	18/02/17	
	33.	Authentication in cloud computing	20/02/17	
	34.	Client access in cloud	21/02/17	
	35.	Cloud contracting Model	22/02/17	
	36.	Commercial and business considerations	25/02/17	
V	37.	Application Development using C#	27/02/17	
	38.	Understand object oriented concepts in C#.NET	28/02/17	
	39.	Creation of UI and event handling	1/3/2017	
	40.	web page creation using ASP.NET	4/3/2017	
	41.	ADO.NET architecture, implementation of data set	6/3/2017	
	42.	using ADO.NET in console application	7/3/2017	
	43.	using ADO.NET in web application.	8/3/2017	
VI	44.	Creating Cloud Application using Azure: Creating simple cloud application	11/3/2017	
	45.	Configuring an application, Creating virtual machine	14/03/17	
	46.	Deployment of application to Windows Azure Cloud	15/03/17	
	47.	Using Azure Storage Services, Using Azure Table Service	18/03/17	
	48.	Deployment of application to the production environment	20/03/17	
			Revision on above topics	23/03/17 to 24/03/17
Class Assignment Tests				
	1.	Class Assignment Test-1	01/02/2017 to 07/02/2017	
	2.	Class Assignment Test-2	01/03/2017 to 07/03/2017	
Advanced Topics				
	1.	High performance Networking for Big Data Movement	21/03/17	
	2.	Big Data Scientific Workflow Management	22/03/17	

		and Optimization		
Total Topic Code : 48				

Signature
Ms. S. S. Wankhede
(Subject Teacher)

Signature
Mr. M. S. Chaudhari
(HOD)

Signature
Dr. N. K. Choudhari
Principal

Evaluation:

- In our college assessment of students performance is done on continuous basis.
- Evaluation is based on attendance of students in classroom, laboratory and project slots.
- Assignments are given on regular basis and evaluated meticulously.
- Class Test I and II are planned and conducted.
- Sessional Exam and internal practical exam is conducted at the end of each semester.
- University theory and practical exams are conducted as per the schedule.
- Students having poor performance in class test I and II are given chance to improve their score by conducting improvement tests.
- After each internal exam answer sheet are shown to the students in the classroom and discussed.

2.3.2 How does IQAC contribute to improve the teaching learning process?

IQAC is established in the college during previous academic year. It actively monitors the various academic and administrative activities of the college.

- IQAC coordinator (Dean, Academics) under the guidance of Principal of the college prepares the academic calendar of the college as well as department.
- It monitors the various academic activities like preparation of teaching plan, time table, subject files, lab manuals, attendance registers, online learning material, use of teaching tools etc.
- Academic monitoring committee at college level and department level attends the classes of faculty members and suggest corrective measures, if any.
- Review of syllabus coverage is taken from all head of the departments by the IQAC coordinator every fifteen days. Guidelines are issued to heads to arrange extra classes for the subjects that are lagging behind in syllabus.

- After the assessment of class test papers academically weak and academically bright students are identified and special efforts are taken as per their requirements.
- Crash course and performance improvement workshops are conducted at the end of each semester.
- Students and teachers are encouraged and motivated to participate in various technical activities.
- Faculty members are encouraged to pursue higher education.
- Students and faculty members are motivated to publish their research work in reputed journals.
- Faculty members are encouraged and guided to organize STTPs, FDPs, conferences, workshops at the college level.
- Student attendance is monitored regularly and heads are informed to send the letters to the parents of students having less attendance.
- IQAC coordinator along with Heads and senior faculty members counsel the students who are at the risk of drop out.
- Standard formats for all the documentation is provided to the departments.
- Feedback from students, parents, alumnis and employers are taken and used for improvement in the system.
- Conduction of the internal academic audit is monitored by IQAC.
- At the end of the session review of all academic activities is taken and the necessary steps for improvements are implemented.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

As students are main stakeholders of the system all the efforts are student centric which are initiated and executed by the college and department throughout the semester indicated as below:

- We promote interactive teaching-learning process. We encourage students to participate actively in the classrooms and laboratories.
- We encourage students to use multiple resources of learning like lecture notes, e-learning material, NPTEL videos, journal and reference books.
- Our assignment policy is student friendly which promotes the continuous assessment process.
- Subject files are available in all the departments which comprise of lecture notes, assignment and tutorial sheets, class test, sessional and university question papers, model solutions, viva-voce questions, question bank etc. The subject teacher in the departments can refer the file to teach the subject more effectively.

- Standard laboratory journals prepared by senior faculties are available in the laboratories. The teachers can refer them during conduction of practicals.
- College library has rich collection of text books, reference books, e-books, journals, NPTEL videos, Springer Online material, DELNET lectures and college repository. Teachers and students can refer this material to improve the teaching-learning process.
- Sufficient numbers of LCD projectors are available in the college. Student subject seminars and project seminars are conducted to enhance the interactive learning.
- Teaching of few subjects like soft skills and communication skills promotes the teaching-learning process through formation of study groups.
- Mini-project seminars and project seminars are organized regularly so as to promote interactive and independent learning among students.
- MoU's are signed with various industries under which different seminars and workshops to promote the collaborative learning.
- Few students are selected for live projects through project selection interviews by the industry experts which promotes collaborative learning by the students.
- After the assessment of class test papers academically weak and academically bright students are identified. Remedial classes are conducted for academically weak students and special efforts are taken for advanced learners to improve the performance.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The teaching-learning process of our institute promotes the critical thinking, creativity and scientific temper amongst the students.

- Training and placement cell of the college regularly conducts the aptitude tests in both online and offline mode, which nurtures the critical thinking in the students.
- We organize technical quiz competitions at department as well as at college and national level like "Abhyuday" to inculcate the scientific temper among the students.
- We organize various technical activities at department level as well as at college and national level like, "Addhyayan", "Abhishilp", "Abhikriti", "Anusnadhan", "Anubhuti" to promote the creativity and scientific temper.
- We promote and encourage students to select the project topics on current trends. We motivate students for in-house development of the project work.

- We promote industry sponsored projects for which industries are identified in and around Nagpur and invited in the campus for selection of project trainees. Our students are selected as project trainees in renowned companies like Persistent, ITNetworkz etc.
- Many students of our college have done summer and winter internships in various industries and organizations.
- Participation of students in technical, cocurricular and extracurricular activities is encouraged. Many students have participated actively in debate, quiz, elocution, paper presentations, poster presentation, model exhibition, clay modeling, bridge making, bread board competition, LAN gaming etc.



National Level Students Convention - Addhyayan

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? E.g.: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, E-Learning resources etc.

- College has laboratories equipped with licensed software's like MATLAB, Ensys which are effectively used by the faculty for teaching. Along with this many free ware tools and software under GPL (General Public License) is used like ns2, ns3, OMNET, LABVIEW is used.
- College library is well equipped with around 98 NPTEL videos which are shown to students and used by the faculty for teaching.
- College library has Springer online publication subscription of Books and research papers for each department.
- National and International Journal subscriptions are available in the library for keep track on recent happenings in the field of engineering and technology.
- Faculty prepares the teaching material through online learning resources like tutorials, PPTs, E-books, book chapters and shared with students for effective delivery of the curriculum.
- Collection of many E-Books of all the departments is made available in the server at central library, which is accessible through common IP address in the college campus through local LAN.
- Solution sets of text book questions are available with the faculty.
- Every department has sufficient number of computers and LCD projectors for effective delivery of the curriculum.
- Internet facility and Wi-Fi enabled campus helps student and faculty to use techno savvy applications in teaching and learning.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- Participation of students in technical, cocurricular and extracurricular activities is encouraged. Many students have participated actively in debate, quiz, elocution, paper presentations, poster presentation, model exhibition, clay modeling, bridge making, bread board competition, LAN gaming etc
- The training and placement cell arranges and conducts various skill development programs for the capacity building of the students.

- Various enrichment programs like workshops, seminars, conferences, technical events, sports are conducted.
- Campus Recruitment Training (CRT) in collaboration with outside organizations is arranged for VI Semester students to prepare them for the campus placement drives.
- Mock Interviews and Mock aptitude and GATE test are conducted to build the confidence of the students.
- Mini-project seminars and project seminars are organized regularly so as to promote interactive and independent learning among students.
- Faculty members from all the departments are regularly deputed outside the college in curriculum development workshops, STTP's, FDP's, seminars which is useful to keep updated in their respective area of interest.
- Some faculties are deputed for research methodology workshop for their respective research work.
- Faculty members are encouraged and guided to organize STTPs, FDPs, conferences, workshops at the college level.
- Some departments have also organized inhouse STTP's in which faculties have actively participated and acquire new skill and competencies in particular subject area.

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

- We provide the continuous counseling and mentoring support to the students at Principal level, HoD level and faculty level which is helping students to gain the confidence to face the professional challenges.
- College has appointed Psychological counselor to support the needy students for personal counseling.
- The training and placement cell arranges and conducts various skill development programs for the capacity building of the students
- Training and placement cell of the college regularly conducts the aptitude tests in both online and offline mode.
- Guest lectures and expert lectures are conducted for the students by inviting academic and industry experts.
- Teacher-Guardian scheme is effectively implemented at college level which supports the students on academic, personal and psychosocial level.
- Special lectures for holistic development of students are arranged for gaining mental peace.

Table 2.7: Number of students benefitted

Sr No	Activities	Session			
		2016-17	2015-16	2014-15	2013-14
01	Professional Counseling	632	295	170	169
02	Mentoring	45	30	48	29
03	Academic Advise	180	194	205	165

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

- Faculty maintains the teaching material through online learning resources like tutorials, PPTs, E-books, and shared with students for effective delivery of the curriculum.
- Collection of many E-Books of all the departments is made available in the server at central library, which is accessible through common IP address in the college campus.
- Solution sets of many text book questions are available with the faculty.
- Every department has sufficient number of computers and LCD projectors for effective delivery of the curriculum.
- College library has Springer online publication subscription of Books and research papers for each department.
- At the end of the semester some advanced topics lectures are conducted by the faculty to make students aware with recent trends.
- Faculties are encouraged to attend various workshops related to teaching methodology, research methodology, STTP, workshop, FDP, seminars etc.



Health Check up Camp for Staff

2.3.9 How are library resources used to augment the teaching-learning process?

- Library is well equipped with text books and reference books added every year, which is used by the students and faculty for subject preparation and understanding.
- Students and faculty uses NPTEL videos for better understanding of the technical content.
- Library has Springer subscription which has large collection of books, technical papers and book chapters. This has been used by the faculty to upgrade the subject contents. Students are motivated to select the seminar and project topics from this resource.
- Faculty visits library on regular basis to access the journal publications and use it for reference to publish their work.
- Library timings are extended beyond college working hours so that nearby students can use the library facilities for study.
- Library has well designed reading room for the students and faculties. It is used by the students for learning activities in free hours.
- Library has separate multimedia section for the students which are available for NPTEL videos and lectures, to access online learning material.
- Library has collection of books and literature for various competitive exams like GATE, MPSC, UPSC, Banking etc and is used by the aspiring students which help them in appearing for the exams.
- Book bank facility is available through social welfare department, for SC/ST category students.
- News papers and magazines are used by the students to keep updated with current happenings in the world as well as to improve the general knowledge.
- Student project thesis/reports repository is maintained in the library, which is used by the student as a reference to develop the projects.
- Research Article repository of the faculties is maintained in the library which support the students in their research publications, seminars and project work.
- University question papers are also available in the library for the use of students and faculty.

2.3.10. Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Yes, college find it challenging to complete the curriculum within the planned time frame and academic calendar because of many reasons such as late commencement of academic session due to delay in admission process at First Year and Direct II year lateral entry level. Few other reasons are excess

holidays in a semester, conduction of curricular and co curricular activities, sports week, annual social gathering, and unexpected holidays. To overcome this challenge college has the practice of engaging one additional lecture daily in the regular Time Table. Extra lectures at “zero’th hour” are conducted to cover the syllabus of the subject. In addition to this we also conduct extra classes on Sundays. During preparation leave before the examination students contact the faculties for doubt clearing sessions and subject related queries. At the end of the semester we conduct the crash course. By implementing all of this activities contact hours of the student and faculties are increased indirectly and resulted in complete coverage and in-depth of subject knowledge.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- Principal and HoD’s at the beginning of the semester prepare and circulate the academic calendar to students and faculties so that they can plan the academic activities based on schedule given.
- HoD’s take the meeting at the beginning of the semester to distribute the subjects and take review of laboratory preparations, laboratory manual, and subject files.
- Academic monitoring committee at college level and department level regularly attend the classes of faculties and corrections are proposed if any in teaching and learning process.
- Faculty seminars are arranged before the beginning of the semester on subject related topic to boost the confidence.
- Review meetings are conducted at Principal level and department level for syllabus coverage, lectures taken, assignment questions given, practical’s conducted etc. Based on this meeting suggestions are given to faculties for improvement, if required.
- Performance of students in Internal assessment exam like Unit Test and sessional is monitored and improvements tests are conducted, if required.
- Result analysis of University exam is prepared in every semester. Special efforts are taken for subject having poor results.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	

Permanent Teachers (Approved Faculty)							
Ph. D.	--	--	--	01	01	02	04
P. G.	--	--	--	--	28	25	53
Temporary Teachers (Adhoc Faculty)							
Ph. D.	--	--	--	--	--	01	01
P. G.	--	--	--	--	17	40	57
Part-Time Teachers							
Ph. D.	--	--	--	--	--	--	--
P. G.	--	--	--	--	--	--	--

Procedure for recruitment of faculty:

The college recruits qualified and experienced faculty in their respective fields.

The procedure adopted for recruitment of faculty is as follows:

- Requirement of faculty is prepared and submitted to management for approval to get the NOC from University.
- No Objection Certificate NOC is obtained from University well before the commencement of academic session.
- After receiving the NOC from University, Advertisements are published in news papers like The “Hitavada”, “Lokmat” etc.
- Subject Expert panel is constituted and approved by University.
- Applications are scrutinized and shortlisted candidates are called for interview.
- Department wise interviews are conducted by the University constituted committee.
- The committee recommends the selected candidates to the management for appointment.

Retention of Faculty:

The strategies adopted by the college to retain the faculty are:

- Encouraging, motivating and sponsoring for seminars, workshops, FDPs, STTPs, conferences.
- Group insurance for the faculties is provided at Sanstha level.
- Faculties are motivated and supported for carry out their research work.
- Duty leaves and on duty leaves are sanctioned for attending conferences, seminar and carrying out research work and also for attending research methodology workshops.
- Leaves and vacation given as per University rules and regulations particularly maternity leave for ladies.
- Salary is paid as per the AICTE and UGC pay scales.

- Service books are maintained as per the rules.

2.4.2 How does institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes / modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

As far as Information Technology branch is concerned we have senior faculties in the department. For covering the new and emerging topics we organized expert lectures by industry persons and academicians. NPTEL videos, DELNET subscription, Springer online subscription is available for the students and faculties.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

Table 2.8: Faculty Development Programmes organized in last four years

Session	Sr No	Title of the FDP	Days and dates of FDP	No of Participants	Organized By	Name of Expert
2016-17	01	Cancer Awareness	14/01/2017	79	Priyadarshini Bhagwati College of Engineering, Nagpur	Ms. Nazia Sheikh, Stop Cancer Mission Multipurpose Society, Nagpur
	02	Various Aspects of NAAC Preparation	13/01/2017	48	Priyadarshini Bhagwati College of Engineering, Nagpur	Dr. N.S. Dharmadhikari, Educationist, Pune and NAAC Peer Team Member
	03	Health Check-Up Camp	07/01/2017	85	Priyadarshini Bhagwati College of Engineering, Nagpur	Dr. Tushar Madankar, RMO, Wockhardt Hospitals, Nagpur and Team
	04	Patent Awareness	27/12/2016	52	Priyadarshini Bhagwati College of Engineering, Nagpur	Ms. Chhaya Satpute, Senior Documnetaiion Officer, Rajiv Gandhi National Institute of

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						Intellectual Property Management, Nagpur
05	Financial Planning	15/12/2016	43	Priyadarshini Bhagwati College of Engineering, Nagpur	Ms. Kashmira Rawal, Unit Manager, Aegon Life Insurance Co.Ltd., Nagpur	
06	NAAC Orientation Seminar	25/11/2016	72	Priyadarshini Bhagwati College of Engineering, Nagpur	Dr. Prashant Awchat, Vice Principal, GHRAET, Nagpur	
07	One-week ISTE Approved STTP on “DCS-Switching and Routing	19th Dec,2016 to 23rd December, 2016	39	Department of Electronics and Communication Engg., Priyadarshini Bhagwati College of Engineering, Nagpur in association with D-Link Academy, Mumbai	1. Mr. Nilesh Vartak 2. Mr.Jitendra Pagare	
08	Short Term Training Program on Big Data Analytics and Hadoop Technology	13 th December to 17 th December 2016	31	Department of CSE/IT, Priyadarshini Bhagwati College of Engineering, Nagpur	Mr. Somil Deshmukh	
09	Discussion on M. Tech. For coverage of the syllabus of First Semester Subjects	3 rd Dec 2016	54	Jointly by R.T.M.N.U. and Department of Electronics and Communication Engg., Priyadarshini Bhagwati College of Engineering, Nagpur	Dr. S.S. Shriramwar Mr. A.B. Jirapure Mr. Nasiruddin Dr. S. Chaturvedi Dr. P.R. Rothe	
10	Recent Trends in Engineering Materials	18 th July to 22 nd July 2016	42	Department of B. E. First Year, Priyadarshini Bhagwati College of Engineering, Nagpur	Dr.(Mrs) P.S. Sawadh Dr. D. Battalwar Dr. A. V. Maldhure Mrs. Anuradha Koteswar Dr. Mangesh Madurwar Dr.(Mrs) S. A. Pande Dr. Poornima	

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						Karandikar Dr. D. R. Peshwe Mr. A. K. Barlewar Dr. K. G. Rewatkar Dr. S. P. Singh Dr. R. M. Jugade Dr. J. D. Ekhe Dr. S. Mandavgane Dr. Leena Gahane
2015-16	11	Financial Literacy Program	12/09/2015	67	Priyadarshini Bhagwati College of Engineering, Nagpur	Ms. Shruti Agrawal, CIEL, Nagpur
	12	Investment Awareness by MITCON	28/04/2016	54	Priyadarshini Bhagwati College of Engineering, Nagpur	Mrs. Sonali Mishra
	13	Thyrocare Camp	07/05/2016	42	Priyadarshini Bhagwati College of Engineering, Nagpur	
	14	Curriculum Development to discuss various aspects of coverage of the syllabus of 7 th semester subjects	27 th Aug 2015	142	Jointly by R.T.M.N.U. and Department of Electronics and Communication Engg., Priyadarshini Bhagwati College of Engineering, Nagpur	Dr. R V Kshirsagar Dr. A.K. Mitra Dr. P.L. Zade Dr. S.L. Badjate Dr. S.S. Limaye Mr. S.N. Palod Mr R A Burange Mr N P Giradkar Mr M Nassiruddin Dr R D Thakre Mr Sanjay Sharma Dr Pramod Patil Mr R B Khule Mr A B Lambat Ms Shantiswami Dr G M Asutkar
2014-15	15	Awareness About the Cancer Disease and its precautions	13/02/2015	70	Priyadarshini Bhagwati College of Engineering, Nagpur	Mrs. Vasudha Joshi, Global Educational Trust, Nagpur
	16	Naturopathy- for better Health - Workshop	19/09/2014	82	Priyadarshini Bhagwati College of Engineering, Nagpur	Dr. Yogesh Ukey & Dr. Vilas Patil
	17	One Week ISTE	23 rd to 27 th June 2015	37	Organized by Department of	Mr. Rajesh Kondawar

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		Approved Self Financed Short Term Training Program on “Digital CMOS VLSI design and FPGA”			Electronics and Communication Engineering, Priyadarshini Bhagwati College of Engineering in association with EDAS Technology ,Nagpur	Dr. S. S. Shiramwar Mr. Shrikant Atkarne Dr. S. Sharma
	18	Curriculum Development	11 th September 2014	55	Jointly organized by R.T.M.N.U. and Department of Electronics/Electronics & Communication Engg., Priyadarshini Bhagwati College of Engineering, Nagpur	Dr R V Kshirsagar Dr. R. Pandey Dr. Muley Dr. P.T. Karule Mr. S.S. Sharma Dr. A.K. Mitra Mr. P.D. Khandait Dr P K Dakhole Ms Shantiswami Ms Vaishali Chaware Ms M Chawala Dr Pramod Patil Mr R B Khule Mr A B Lambat Dr. S. S. Shiramwar
2013-14	19	Curriculum Development of B.E. 4 th semester for the subjects of Electronics Engineering	18 th October 2013	90	Jointly by R.T.M.N.U. and Department of Electronics and Communication Engg., Priyadarshini Bhagwati College of Engineering, Nagpur	Dr R V Kshirsagar Dr P L Zade Dr. A. K. Mitra Mr. P.R. Rothe Mr. S. S. Shiramwar Dr. S. L. Badjate Dr P K Dakhole Ms Shantiswami Ms Vaishali Chaware Ms M Chawala Dr Pramod Patil Mr R B Khule Mr A B Lambat Dr. S. S. Shiramwar Mrs A P Rathkanthiwar
2012-	20	Santilli’s	6 April	80	R. M. Santilli	Dr. A. A. Bhalekar

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13		New Mathematics for 21 st Century Sciences” Sponsored by The	2013		Foundation Palm Harbor, FL, USA at Smt. Bhagwati Chaturvedi College of Engineering, Nagpur	Dr. G. S. Natarajan Dr. V. M. Tangde
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a) Nominations to staff development programmes

Academic Staff development programs	Number of faculty nominated
Refresher courses	Not Applicable
HRD Programmes	Nil
Orientation Programmes	Not Applicable
Staff training conducted by the University	93
Staff training conducted by the other Institutions	62
Summer/ Winter Schools, Workshops, Seminars etc	111

b) **Faculty Training programs organized by the institution to empower and enable the use of various tools and technology for improved teaching learning**

Type of Training	Name of the training Program	Date(s) of the program	No of faculty benefited
Teaching learning methods/approaches	----	---	-----
Handling new curriculum	Discussion on M. Tech. For coverage of the syllabus of First Semester Subjects	03/12/2016	54
	Curriculum Development to discuss various aspects of coverage of the syllabus of 7 th semester subjects	27/08/2015	142
	Curriculum Development	11/09/2014	55
	Curriculum Development of	18/10/2013	90

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	B.E. 4 th semester for the subjects of Electronics Engineering		
Content/ knowledge management	One-week ISTE Approved STTP on “DCS- Switching and Routing	19/12/2016 to 23/12/2016	39
	Short Term Training Program on Big Data Analytics and Hadoop Technology	13/12/2016 to 17/12/2016	31
	Recent Trends in Engineering materials	18/07/2016 to 22/07/2016	42
	One Week ISTE Approved Self Financed Short Term Training Program on “Digital CMOS VLSI design and FPGA”	23/06/2015 to 27/06/2015	37
	Santilli’s New Mathematics for 21 st Century Sciences” Sponsored by The	06/04/2013	80
Selection, development and use of enrichment materials	---	---	--
Assessment	---	---	--
Cross cutting issues	---	---	---
Audio Visual Aids / multimedia	---	----	---
Teaching learning material development, selection and use	----	----	----

c) Percentage of faculty

- Invited as resource persons in workshops / seminars / conferences organized by external professional agencies
- Participated in external workshops / seminars / conferences recognized by national / international professional bodies
- Presented papers in workshops / seminars/ conferences conducted or recognized by professional agencies

Sr No	Type of activity	Academic Session			
		2016-17	2015-16	2014-15	2013-14
		Percentage of faculty involved	Percentage of faculty involved	Percentage of faculty involved	Percentage of faculty involved
01	Invited as resource persons in workshops / seminars / conferences	(03/115) 2.60 %	(01/118) 0.84 %	(03/118) 2.54 %	(02/108) 1.85 %
02	Participated in external workshops / seminars / conferences	(45/115) 39.13 %	(95/118) 80.50 %	(40/118) 33.89 %	(35/108) 32.40 %
03	Presented papers in workshops / seminars/ conferences	(37/115) 32.17 %	(100/118) 84.74 %	(51/118) 43.22 %	(43/108) 39.81 %

2.4.4 What policies/systems are in place to recharge teachers? (e.g.: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programs industrial engagement etc.)

- Duty leaves and on duty leaves are sanctioned for attending conferences, seminar and carrying out research work and also for attending research methodology workshops.
- Sponsoring for seminars, workshops, FDPs, STTPs, conferences.
- Faculties are motivated and supported for carry out their research work.
- Faculties are encouraged to attend various workshops related to teaching methodology, research methodology, STTP, workshop, FDP, seminars etc.
- Financial support is provided for research publications, attending STTP's and FDP's.

- College supports the faculties for applying research grants in various central organizations like AICTE (AQIS).

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Table 2.9: Details of the awards received by the Faculty

Sr No	Name of the faculty	Name of Award	Date	Remarks
01	Dr N. K. Choudhari	Best Principal Award	Sept. 2015	By Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
		Best Principal Award	July 2015	By the economic for Health and Education Growth, New Delhi
		VIDYA RATAN	December 2012	By the economic for Health and Education Growth,
		Included in who's who	2009	Cambridge
02	Ms. N. M. Matey	<ul style="list-style-type: none"> • Madhavrao Chandorkar Memorial Gold Medal • Late Dr. Jayant Parane Gold Medal • Dr. R. N. Roy Gold Medal • Fanindra Bhushan Sen Memorial Gold Medal • Raghunath Hariahr Pingley Memorial Gold Medal 	101th Convocation (20 th Feb 2015) of RTMNU Nagpur Univ. Nagpur	Awarded First Merit In First and Second Year M. A. (English Literature) Received 5 Gold Medals, 1 Silver Medal, 1 Cash Prize

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		<ul style="list-style-type: none"> • 36th all India English Teachers Conference Silver Medal • The XX All India English Teachers Conference 1970 Cash Prize 		
03	Mr.P.R. Bokde & Mr.M.R. Gupta	Best Paper Award	27 th – 28 th January, 2014	Paper Presentation at National Level Conference on advanced communication & Matlab (NCACM-14) organized by Shri Dutta Meghe Polytechnic, Nagpur
04	Mr. P.R. Bokde	Best Paper Award	January, 2010	Paper Presentation in National Level Conference at Priyadarshini College of Engineering
05	Ms. Sheetal D. Bhoyar	Silver medal and certificate of Merit	09 Oct 2013	National Conference Innovative Research trends in Computer Science Engineering and Technology
06	Ms. U. V. Gaikwad	Best Paper Award	22-23 April 2015	In International Conference on “Applicatins of Nanomaterials as a Sensors” Organised by Gaikwad Patil College of

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				Engineering Nagpur on 22-23 April 2015
		Name mentioned in Asia/Pacific Who's who	2016 Issue	
07	Ms. N. A. Ramtekkar	“ Young Relativist Award”	27-28 Jan 2017	In National Conference on “ Differential Geometry and its Application” Organized by Department of Mathematics and Statistics DDU Gorakhpur University Gorakhpur on 27- 28 Jan 2017
08	Mr. M. S. Chaudhari	Best Manuscript in International Journal	29/01/2017	Standard International Journals
09	Dr. (Mrs.) A. R. Golhar	Name mentioned in Asia/Pacific Who's who	2016 Issue	

Our institute encourages the faculty members to prepare themselves for improvement and excellence in teaching and research. We have very conducive environment at college level and department level for the faculties, giving them the flexibility and freedom in working environment.



Best Principal Award by RTM Nagpur University

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching learning process?

SAMPLE STUDENTS FEEDBACK FORM

Name of the College / Institute: PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR.

Branch / Semester:..... **Section :** **Date:**

Write only one grade (out of A/B/C/D) against each option for each subject.

(A)- Excellent (B) - Good (C) - Satisfactory (D) Unsatisfactory

NOTE:

1. Do not write names & Roll No. Also no signature.
2. Avoid overwriting

Sr No	Name of Subjects	Sub 1	Sub 2	Sub 3	Sub 4	Sub 5
	Name of the Teacher who taught	Name of Teacher	Name of Teacher	Name of Teacher	Name of Teacher	Name of Teacher

1	Clarity and Audibility of speech in the classroom					
2	Handwriting and Use of the blackboard					
3	Effective utilization of the lecture time					
4	Efforts taken to explain the subject matter					
5	Use of practical examples and illustrations during teaching					
6	Interaction with the students					
7	Coverage of syllabus till date					
8	Uniformity in coverage of the syllabus					
9	Timely evaluation of Internal exam papers.					
10	Display of question bank					
11	Display of model answer papers					
12	Solving university /Board question papers in classroom					
13	Use of modern teaching aids					
14	Discussion of topics beyond syllabus					
15	Accessibility and readiness for guidance outside the classroom					

Yes, college has well structured mechanism of evaluation of teachers in the form of student feedback in every semester. The feedback criterion to assess the teachers are teaching methodology, communication skill, clarity of the subject, online tools, syllabus coverage, effective utilization of lecture, discussion of university question papers and model solution. The lectures of newly joined faculties are attended by Heads, Principal and Dean Academics of Lokmanya Tilak Jankalyan Shikshan Sanstha, Nagpur. In addition to this we have an academic monitoring committee at college level and department level to assess the teacher's performance. Performance appraisal forms are filled up by the faculties every year and are submitted to Director Office through Principal.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The students and parents are informed in advance through orientation programs and induction programs regarding teaching scheme and examination pattern.

- Internal assessment procedure like class tests, sessional and assignment policy is informed to students in the beginning of the semester.
- Internal assessment policy is conveyed to the students in the beginning of the session.
- Parameters of the teacher's feedback form and performance appraisal form are conveyed to the teachers in advance so that faculty can improve their performance.
- All the University, college and other notices and circulars related to academics and examination are displayed on departmental notice board as well as concerned section notice boards.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

As our college is affiliated to Nagpur University, all the reforms initiated by the University are followed and implemented by the college.

- Recently RTMNU has introduced new reforms in examination and evaluation system.
- Online evaluation is implemented by the University and college contributes by deputing the faculties for paper valuation.
- As University has reformed the examination process by introducing many online systems like sending of online question papers, submitting the examination data online etc. In respond to this college has set up the exam control room with all the required IT infrastructure and facilities.
- University has introduced new Credit Based System (CBS) syllabus for UG and Choice Based Credit System (CBCS) for PG is well implemented by the college by preparing subject notes, question banks, model solutions, and viva-voce questions for the newly introduced subject.
- Student related information like exam form filling, enrolment forms, revaluation forms, and results are being made online. We educate and encourage our students to adapt the new improved system of the University.
- Conduction of faculty seminars before commencement of each semester.
- Academic monitoring committee where Principal, Heads and senior faculties attends the classes of the newly joined faculty members and counsel the faculty if required for improvement.
- Project evaluation of the final year students is done by the external expert for quality improvement.
- Interdisciplinary projects for final year students have been initiated by the college.

- Students who could not perform well in the internal assessment tests are given chance to improve their score by conducting improvement test.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

The college ensures the effective implementation of various reforms initiated by University and institute by

- Conducting the various review meetings of Heads and faculties.
- Taking continuous feedback from students and faculties.
- Spreading the awareness amongst the students and motivate the students to refer the University and college web site.
- Continuous interaction with the students and faculties.

2.5.4 Provide details on the formative and summative evaluation approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

College has its own internal evaluation process based on the guidelines provided through University Curriculum and scheme.

- Due credit is given for regular attendance and class performance.
- Due credit is given to the assignment writing.
- Class Test I, II and sessional examinations are conducted in semester.
- Credit is also awarded to extracurricular activities and sports.
- Credit is awarded to the participation of students in technical activities.
- Overall behavior of the students is taken into account which includes participative management, behavior with teaching and non-teaching staff, volunteering of services, dignity of labor etc.

Some of the examples are as given below:

- Ajinkya Kholkute, was a very irregular student of B.E. I Year. His parents were very much worried about his career. He was properly counseled and made aware of the various evaluation criterions. By implementing the various aspects of teaching-learning process he started attending the classes regularly and performed so well in academics, that he secured First Merit Position in University final year examination.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

- The system of internal evaluation is very clear and transparent.

- The internal marks of the subjects are calculated based on the performance in class tests and sessional and is meticulously followed in all the departments.
- Answer sheets of the internal exams are shown to the students in the class and discussed by the faculties on the assessment.
- Class test marks are displayed on the notice boards and shown to the parents who visit the college.
- During Parents meet all the information related to student performance is shown to the parents which includes attendance, marks in class tests, assignment submission status. The parents are briefed about the overall behavior of the student in the campus.
- Special weightage is given for participation of students in various technical, co-curricular and extra-curricular activities like debate, elocution etc.
- Incentive marks are given for participation in Sports activities, Adult education, NSS Cell activities, and cultural activities at University/State/National Level.
- Project seminar, subject seminar are given due credit in the internal evaluation.

2.5.6 What are the graduated attribute specified by the college / Affiliated University? How does the college ensure the attainments of these by the students?

Graduate attributes for the engineering education is defined by the NBA (National Board of Accreditation) and AICTE (All India Council of Technical Education). These same attributes are applicable to our college also, which are as given below.

Graduates Attributes:

1. **Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
3. **Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.

4. **Conduct** investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.

5. **Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

7. **Environment and Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

9. **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.

10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

11. **Project Management and Finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long Learning:** Recognize the need for and have the preparation and ability to Engage in independent and life- long learning in the broadest context of technological Change.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

At college level we follow the given mechanisms:

- Answer sheets of the internal exams are shown to the students in the class. If student have any grievance related with the evaluation then

answer sheets are rechecked by the teachers and corrections are made if any.

- Class test marks are displayed on the notice boards and shown to the parents who visit the college.
- Monthly student attendance is displayed. A separate list of students having attendance less than 60 percent is displayed, and their names are recommended for detention.
- Attendance and student performance is sent to the parents and grievance if any is corrected at the department level.

At University Level:

- If students are not satisfied with the result, then they can apply reevaluation. They can also apply for a photocopy of the answer sheet and they can challenge the valuation if required.
- Printing mistakes, if any in the name or other fields in the mark sheet can be corrected by applying to University through student section of the college.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these.

Yes, college has clearly stated learning outcomes. These outcomes are designed by the Principal, Heads and the Dean, Academics in consultation with external stakeholders as well as staff and students.

The learning outcomes are displayed in the corridors, departmental notice boards, seminar hall, auditorium, Principal cabin, HoD cabin etc.

Student awareness of learning outcomes is done through student cell programs, departmental academic advice sessions, parent meets, etc.

Faculty awareness of the learning outcomes is done through review meetings, HoDs and Principal meeting.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course /program? Provide an analysis of the students' results/achievements (Program/course wise for last four years) and explain the differences if any and patterns of achievement across the programs/courses offered.

Students having performance below average in the class test I, II and sessional examination are counseled by the faculty and their result is communicated to the parents. Remedial classes are conducted for academically weak students for their performance improvement. Attendance of the students is monitored and if it is not satisfactory then it is conveyed to the parents. Performance of the students is conveyed to the parents in Parents Meeting. Students having failures in University examination are counseled personally and the subject

teachers provide academic help and personal coaching from examination point of view.

Table 2.10: Result in Percentage

Department of First Year B.E.

Academic Session	I SEM	II SEM
2015-16	48.37	50.60
2014-15	60.29	50.30
2013-14	49.2	50.8
2012-13	48.5	69

Department of Information Technology

Academic Session	III SEM	IV SEM	V SEM	VI SEM	VII SEM	VIII SEM
2015-16	41.66	50	75	95	94.11	100
2014-15	47.82	54.16	58.82	88.23	70.58	82.35
2013-14	40	78.94	55	75	87.03	98.14
2012-13	35	65	61.90	52.38	84.44	97.77

Department of Computer Sc. & Engg.

Academic Session	III SEM	IV SEM	V SEM	VI SEM	VII SEM	VIII SEM
2015-16	49.05	75	77.46	87.32	71.74	91.36
2014-15	50.68	59.72	66.66	60.41	87.79	100
2013-14	20.31	44.61	61.97	61.76	87.03	96.29
2012-13	66.17	58.82	68.33	66.66	81.66	98.33

Department of Civil Engineering

Academic Session	III SEM	IV SEM	V SEM	VI SEM	VII SEM	VIII SEM
2015-16	57.9	67.11	60.28	76.72	87.94	91.38

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2014-15	61.34	70.28	75.87	51.73	92.31	92.31
2013-14	61.33	68.92	88.46	84.62	NA	NA
2012-13	68.97	86.21	NA	NA	NA	NA

Department of Mechanical Engg.

Academic Session	III SEM	IV SEM	V SEM	VI SEM	VII SEM	VIII SEM
2015-16	44.13	49.66	55.41	47.29	75.88	93.88
2014-15	50.68	40.28	59.43	74.50	86.10	96.99
2013-14	29.8	32.45	66.03	72.00	78.10	100.00
2012-13	45.76	48.30	59.00	71.80	-NA-	-NA-

Department of Electronics & Comm. Engg

Academic Session	III SEM	IV SEM	V SEM	VI SEM	VII SEM	VIII SEM
2015-16	36.36 %	66.66 %	75.86 %	72.41 %	94.74 %	94.73 %
2014-15	31.25 %	48.43 %	57.63 %	89.83 %	98.11 %	82.19 %
2013-14	39.19%	55.41 %	68.18%	52.30 %	68.29%	92.68 %
2012-13	44.92	50.00 %	56.45	61.29 %	85.24	96.72%

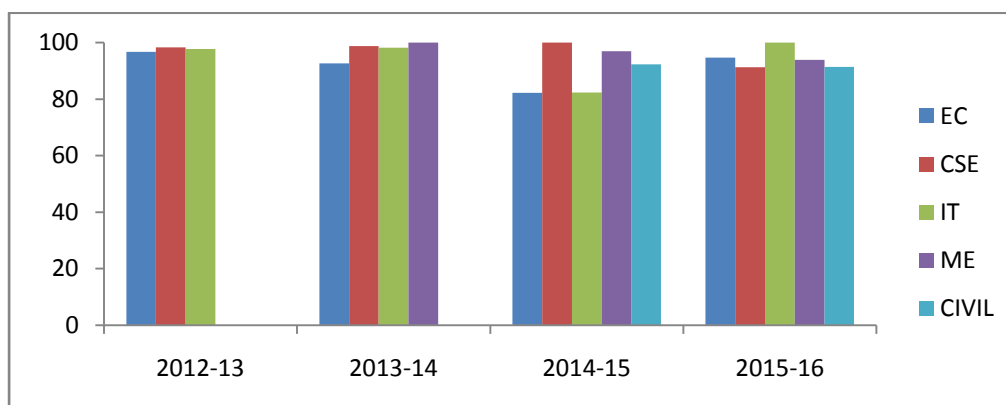
Department of Electronics Engg.

Academic Session	III SEM	IV SEM	V SEM	VI SEM	VII SEM	VIII SEM
2015-16	33.33 %	50.00 %	70.00 %	75.00 %	93.10 %	100.00 %
2014-15	52.00 %	45.83 %	82.76 %	79.31 %	89.66 %	93.33 %
2013-14	23.68 %	60.52 %	80.00 %	50.00 %	88.57 %	83.33 %
2012-13	46.15 %	38.46 %	63.26 %	65.30 %	64.91 %	75.44 %

Department of Computer Science & Engineering (M. Tech CSE)

Academic Session	I SEM	II SEM	III & IV SEM

2015-16	64.70	75	100
2014-15	77.77	88.23	100
2013-14	86.66	85.71	100
2012-13	83.33	73.33	NA



Result analysis of Final Year for last four years

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

Institute has well defined strategies for teaching-learning and assessment.

Teaching: Before commencement of the session of each semester, institute level academic calendar is prepared by Dean Academics and it is circulated to all the departments. All Head of the departments also prepare their department level academic calendar. As per the academic structure, Institute and departmental academic calendar, the course structure(teaching plan) is prepared by the course coordinators through ERP and it is reflected on ERP after every lecture engaged by the respective faculty. Before commencement of the curriculum, all teaching resources are procured and also collect the subject content beyond syllabus and decide the strategy to implement all these teaching methods.

The academic monitoring system is implemented in all the departments to balance the lecture conduction and syllabus coverage effectively. If any lagging in coverage of syllabus, the faculty has to cover up the gap by engaging extra lectures. Such teaching strategies are assessed well by the student feedback.

Learning: To achieve the desired learning outcome and to make the learning easier, each subject teacher uses various modes for teaching such as chalk/talk, PPTs, tutorials. To make the learning process effective, students are involved by arranging the seminars, quiz, projects, industry visits and internship etc.

Assessment strategies: The achievement of learning outcomes in terms of teaching outcomes is assessed in the form of academic performance of students. Various assessment methods are applied in the form of formative and summative assessment. These assessment methods include internal and external examinations. As per the university norms, institute conducts class tests, practical and oral exams, theory exams, technical seminars and projects for the assessment of students.

Subject coordinator conducts regular meetings with the subject teachers to collect the reports and analyze the status of learning outcomes. If any of the outcomes is not achieved, remedial measures are taken to achieve the desired learning outcome. Remedial classes and personal counseling of those students is carried out. Also to achieve the desired outcome, practical based workshops, industry internship, guest lectures and industrial visits are conducted.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

Following are the initiatives taken up by the college to enhance the social and economic relevance of the courses offered.

ED Cell: The institute has established Entrepreneurship Development Cell (EDC) to facilitate entrepreneurial skill among the students. EDC was established with an objective of developing and mentoring the spirit of entrepreneurship among the students. Various activities are conducted throughout the year to create awareness of current and future trends of industries. A guest lecture is organized on “Entrepreneurship development & Rural employment” by Mr. R. R. Gajbhiye, Director, KVIC, Nagpur.

III Cell: The institute has established Industry-Institute Interaction Cell (III) with the objective to evolve educational programs which are consistent to the requirements of industry and which makes the students capable of coping up with the fast changing technological development and to create adequate facilities to update technical knowledge of graduating students. A session

Session on “The Schemes of MSME” by Mr.Vivek Nikhade, Assistant Director, MSME-DI, Nagpur.

CRT: The institute conducts campus recruiting training (CRT) for the third year students to improve their placement chances in the final year. Also for better preparation and practice, Pariksha Co and GTT online aptitude test series are conducted to enhance their aptitude knowledge.

T&P:

The institute provides the career guidance to the students at institute level through the training and placement cell. The students are trained by conducting various training sessions comprise of soft skill, technical skill and aptitude skill trainings through guest lectures, industry visit, and technical workshop to enhance employment opportunities. A number of opportunities are given to the students by conducting campus drive. As a result in recession period also, the student placement of the institute is increasing over the years.

Table 2.11: Year wise placement details (last four years):

Sr No	Academic session	No of students selected	% selection
1	2016-17 (Ongoing)	27	27%
2	2015-16	77	74%
3	2014-15	39	50%
4	2013-14	23	24%
5	2012-13	95	87%

Guest lecture: Career guidance is provided to students by arranging various guest lectures, seminars and workshops on various topics at institute and department level. Eminent speakers from different fields such as industry, reputed technical institutes are invited to deliver the lectures.

Language lab: Well equipped language laboratory with modern interactive and learning facility is available for the students to get command over the English language and to improve their communication skills.

Learning Resources: The central Library of the institute has adequate online and offline learning resources for teaching, learning and research.

Conference / workshops/Technical events:

The institute organizes technical events like paper presentation and project competition to inculcate professional approach. The students are encouraged to participate in State/National level Technical events /conference.

The institute organizes various workshops in association with IITs, NPTI and with various companies like IT Networkz, Persistent, Astral, Prolific and Axiom softech Pvt.Ltd.

Industrial Training: The institute has encouraged the students for industrial training relevant to their discipline at government, public and private sector.

Memorandum of Understanding: The institute has signed number of MOUs with various leading industries and organizations. It is useful to facilitate students with professional training, promotion of research and cooperation. Also it helps to establish placement preparation programs for students.

National Service Scheme: The institute has established NSS Cell which strives to work for the development of the society. Various activities are organized under this scheme such as Tree plantation, Blood donation camp, implementation of Swaccha Bharat Mission and Cashless Campaign in nearby region.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The student performance and learning outcomes is assessed in the form of academic performance of students. This assessment includes internal and external examinations. The institute conducts class tests, practical and oral exams. This examination results are analyzed and discussed in detail to improve the performance of students. To enhance their academic performance, remedial measures are taken which includes remedial classes and personal counseling of students. After evaluation of the performance of these students, their attendance is monitored regularly for every lecture. Their tutorials and assignments are corrected within short time and their performance is maintained to analyze for their academic progress.

Feedback from the students and parents plays the vital role in identifying learning barriers like understanding, visualization, communication mathematical aspects and taking corrective measures accordingly. The development of communication skill, team work and use of modern tools by students are assessed through practical, oral exam, mini projects, and seminars, co curricular and extracurricular activities. The Principal and HODs reviews this performances and feedbacks and suggest measures to improve it. The TG counseled the students whose performance is not satisfactory.

The institute has appointed psychological counselor to solve personal issues of students and overcome the psycho-social barriers of learning.

During placement activities, the student's performance feedback is taken from the employers and also suggestion from HRs and Technical panels of the industry, related to current trends and requirement in industry is taken. After analysis of this feedback, the needed training is planned and conducted accordingly.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes.

The institute has implemented well defined monitoring process for learning outcomes. Before commencement of sessions, academic calendar is designed which include detailed schedule of internal test, their analysis, remedial classes and crash course. At institute and departmental level, the learning outcomes are continuously monitored and analyzed through these activities. To fill the gap in learning outcomes, effective remedial steps are taken to enhance the outcome. It can be achieved by providing assignments, sample question and model university paper solution. Also extra lectures are arranged and their attendance and performance are monitored continuously.

2.6.7. Does the institution and individual teachers use assessment / evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes

The institute has well defined continuous evaluation process for evaluating student performance and achievement of learning objectives. These are well defined in the academic calendar and departmental meetings. Each faculty of the institute has to submit the student performance report of respective subject. Depending on the evaluation report corrective measures are taken for non performing students, so that students can further improve their performance in summative exams. The corrective measures include remedial classes, crash course and also encouragement and motivation for students to participate in various co curricular and extracurricular activities to achieve the desired learning objectives.

The institute has one of the best examples of achievement of learning objective and planning:

Ajinkya Kholkute, who was a very irregular student of BE first Year. His parents were very much worried about his career, but when he was made aware of the evaluation criterions and was counseled properly. After this he started attending the classes regularly and performed so well in academics, that he secured First Merit Position in University final year examination.

CRITERION III - RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

As our Institute was established in September 2007, we have not completed 10 years which is a requisite to apply for research centre as per the norms of RTM Nagpur University. In near future we are planning to apply for the research centre in Electronics & Communication Engineering.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Table 3.1: Research Advisory Board

Sr No	Name of Member	Affiliation / Organization	Designation
1.	Dr N K Choudhari	Principal, PBCOE, Nagpur	Chairperson
2.	Dr J P Modak	Dean (R&D), LTJSS, Nagpur	Member
3.	Dr Mrs A R Chaudhari	Dean Academics & Coordinator I Year	Member
4.	Ms S B Dhoble	Assistant Professor, Electronics Engineering Dept.	Coordinator
5.	Mr M S Chaudhari	HoD, IT	Member
6.	Mr R K Pohane	HoD, Mech	Member
7.	Mr R N Patil	HoD, Civil	Member
8.	Mr P R Bokade	HoD, EN	Member
9.	Ms D M Kate	HoD, EC	Member
10.	Mr K N Hande	HoD, CSE	
11.	Dr K D Kulat	Professor, VNIT, Nagpur	Member
12.	Mr Rupesh Shende	Director, RSe Solutions Pvt	Member

		Ltd Nagpur	
13.	Dr A R Golhar	Assistant Professor, Physics	Member
14.	Dr R A Nandanwar	Assistant Professor, Chemistry	Member

The recommendations of the committees are as follows:

- All faculty members who have not registered for Ph. D. should appear in PET, entrance examination for Ph.D. registration conducted by RTM Nagpur University and other universities.
- As and when required duty leave will be sanctioned for conducting the research work.
- Faculty members should attend at least two Seminar, Conference, Workshop and STTP every year
- Faculty members should publish at least two research papers preferably in peer reviewed journals.
- Every department should organize STTP, Workshop, Seminar and Conference
- Students should be encouraged to carry out their project work on recent topic in Industry.
- Faculty members should encourage and guide students to present papers in conferences and seminars

As a impact of above recommendation

- Many students have participated in seminars and conferences organized by various institutions and won the prizes.
- Few faculty members have been awarded Ph.D. and many are perusing their doctoral research work.
- Many faculty members have published good number of publications in peer reviewed journal having good impact factor.
- Many publications are enlisted in Scopus and have significant citations.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

- **Autonomy to the principal investigator**
- **Timely availability or release of resources**
- **Adequate infrastructure and human resources**
- **Time-off, reduced teaching load, special leave etc. to teachers**
- **Support in terms of technology and information needs**
- **Facilitate timely auditing and submission of utilization certificate to the funding authorities**
- **any other**

Autonomy to the principal investigator:

The principal investigator is given autonomy with respect to utilization of funds.

Timely availability or release of resources:

All the resources within the institution are made easily available to the faculty members pursuing research and projects.

Adequate infrastructure and human resources:

Though the institution does not have recognized research center/s of the affiliating University, Laboratory and internet facility along with computers system made available to faculties.

Time-off, reduced teaching load, special leave etc. to teachers:

Special leave, if necessary can be given to faculty members pursuing research.

Support in terms of technology and information needs:

Institute library is well equipped with reference books, national and international journals, DELNET subscription, Springer online materials, e-books are made available to faculty members.

Computational Software's such as ANSYS, MATLAB etc. are also available in the institute.

Facilitate timely auditing and submission of utilization certificate to the funding authorities:

Head of the Institute ensures timely submission of certificates to the authorities.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

- Students are encouraged to carry out their project work in collaboration with industry.
- Faculty members encourages and guides students to present papers in conferences and seminars
- Many technical activities are organized at department, college and national level which includes paper & poster presentations, project competition, bread board competition, web designing, clay modeling and bridge making to inculcate research culture in students
- College has signed MOU with various organizations through which training is provided to the students and few students are selected for live projects.
- Many workshops in collaborations with IIT's are organized which helps in developing scientific temper in students.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/ collaborative research activity, etc.

Following are the details of the faculty involvement in active research activities.

Table 3.2: List of Ph D Supervisors

Sr No	Name of the Faculty	Department	Name of the University
01	Dr N K Choudhari	Electronics Engg , Electronics & Communication Engg	RTM Nagpur University
		Information Technology	Sant Gadgebaba Amravati University
02	Dr. (Mrs) A R Chaudhari	Chemistry	RTM Nagpur University
			North Maharashtra University Jalgaon
03	Dr A R Golhar	Physics	RTM Nagpur University

Table 3.3: Number of Ph D Scholars Guided

Sr No	Name of the Faculty	Department	No of scholars Guided
01	Dr N K Choudhari	Electronics Engg , Electronics & Communication Engg	No. of Ph. D Awarded- 10 Ph D Submitted - 03
		Information Technology	Ph.D. in progress - 01
02	Dr. (Mrs) A R Chaudhari	Chemistry	No. of Ph. D Awarded- 02 Ph D Submitted - 03

Table 3.4: Number of PG (M Tech) students Guided

Sr No	Name of the Department	Name of the faculty	Number of M Tech Projects Guided
01	Electronics Engg. (Communication)	Dr N K Choudhari	16
		Ms D M Kate	09

		Mr P R Bokde	04
		Ms S B Dhoble	01
		Ms. A.P.Thakre	04
02	Computer Sc. & Engg	Prof M S Chaudhari	26
		Mr K N Hande	30
		Ms A A Niksoe	16

3.1.6 Give details of workshops/ training programmes/sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Table 3.5: Workshops / Training Programmes conducted for students

Academic Session	Sr No	Title of the Pro.gram	Date(s)	No of student beneficiaries	Name of the Expert	Name of the Institute/Industry/Company
2016-17	1	Two days W/s on Advancement in manufacturing process	23 March 2017	36	Mr. I Huk	IGTR, Nagpur
	2	Addhyayan 2017	18 March 2017	980	Dr A R Sahu, Prof.D.A.Borikar, Mr.R.D.Thakre, Prof.M.Chandak, Dr.P.V.wasimkar, Prof A Dehankar, Prof T.Khan	Priyadarshini Bhagwati College of Engg. Nagpur
	3	Guest lecture on Entrepreneurship Development	17 February 2017	80	Mr.R R Gajbhiye	KVIC, Nagpur
	4	Cloud computing and Hacking	13 Feb 2017	39	Mr Atul Barg	Oracle certified Adminsitrstor
	5	Two Day Workshop on Java Frameworks	19-01-2017 To	CSE-52 IT-15	Mr. Anup Pardhi	IT-Networkz Infosystems Pvt. Ltd.,

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		-Hibernate Java Frameworks -Struts	20-01- 2017			Nagpur
	6	Seminar on Web Page Developme nt(.net)	17-01- 2017	CSE-36 IT-13	Ms. Hemlata Jawanjal, Ms. Vaidehi Gulhane	IT-Networkz Infosystems Pvt. Ltd.,Nagpur
	7	IIT Workshop on Solar Energy	26-27 th September 2016	43	Mr. Vinay Kumar	IIT Chennai
	8	Android Development Workshop	22- 23 rd August 2016	51	Mr. Vishwajeet Rana (Technical Head)	Entrench Electronic Pvt. Ltd, Delhi
	9	Auto Cad	10-11 th August 2016	60	Prof. Sayali Wankhede	ASTRAL
	10	STADD Pro.	4-5 August 2016	80	Prof. Sayali Wankhede	ASTRAL
2015-16	1	Workshop on CREO AND ANSYS	21-22 nd March 2016	50	Ravi Agarwal	CAD Academy
	2	Two days workshop on Automation in mechanical design	09-10 th March 2016	110	Mr. Amol Barai	Astral Informatics pvt. Ltd.
	3	Hands on workshop on Practical Integrated Antenna Design and analysis using simulation tool.	27 to 28 th Feb 2016	109	Mr. Dhanvijay Magar Application Engineer.	EM and Microwave Division, Ni2 Design, Pune
	4	IIT Workshop on Tall Building Design	15-16 th Feb 2016	54	Mr. Vinay Kumar	IIT Madras
	5	Technical Guest	26/08/2015	40	Deepak Dhote	IT Networkz, Nagpur

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		Lecture on “Network Technology and Devices”				
	6	Technical Guest Lecture on “Emerging trends in IT”	26/08/2015	45	Deepak Dhote	IT Networkz, Nagpur
201 4-15	1	Workshop : “ Circuit Simulation and PCB Designing”	03-04 th February 2015	80	Tapan Palei	Trobotica & computer Applicion ,Institute of USA, Technofilia
	2	IIT Workshop on Bridge Design	16-17 th Jan. 2015	54	Mr. Vinay Kumar	IIT Mumbai
	3	Ethical Hacking and Cyber Security Workshop	23 rd to 24 th Dec 2014	85	Mr. Suraj Sawant Cyber Security Analyst, Welilant Net Solutions Pvt. Ltd. Mumbai	Techfest, IIT Bombay in association with Welilant Net Solutions Pvt. Ltd. Mumbai
	4	Guest Lecture on “Recent Trends in Industrial Project”	12/12/201	25	Mr. Harshal Bihare Area Sales Manage	Edgefx kits & Solutions, Nagpur
	5	Robozest	11-12 th Sept. 2014	116	Mr. Manish Kumar	IIT Delhi in association with
	6	Robo Zest 2015 International Robotic Workshop series cum Championshi p	1 - 2 nd Sept. 2014	90	Mr. Suffian Suhail Sr. Research Engineer, IIT Delhi.	Robo species Technologies Pvt. Ltd.
	7	Guest Lecture on “Project Guidance”	24/07/2014	80	Mr. Harshal Bihare, Area Sales Manager	Edgefx kits & Solutions, Hyderabad
2013- 14	1	Workshop APPS Fluxus	03-04 th Jan 2014	110	Mr. Shivendra Kumar	IIT Roorkee

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		2014 “Android Apps Championshi p”				
	2	Guest Lecture on “Latest technologies used in Industrial Automation sector (PLC- SCADA)”	28/08/2013	35	Mr. Sarang Pimpalkar	Prolific Systems & Technologies Pvt. Ltd, Nagpur
	3	Technical Guest Lecture on “Fundamenta ls of VLSI Technology”	6/08/2013	30	Mr. Arif Khan and Mr. Sayyad Siddiqui,	Nanoscientific Research Centre, Hyderabad
	4	National Level Project/Mode l Competition under “ ABHISHILP ”	March, 2013	250		PBCOE,Nagp ur

Table 3.6: Workshops / Training Programmes conducted for faculty

Acade mic Sessio n	Sr No	Title of the Program	Date(s)	No of Facul ty atten ded	Name of the Expert	Name of the Institute/Industry/ Company
2016- 17	1	Patent Awareness	27/12/2016	52	Ms. Chhaya Satpute, Senior Documnetai on Officer	Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur
	2	One-week ISTE Approved STTP on “DCS- Switching and Routing	19/12/2016 to 23/12/2016	39	Mr. Nilesh Vartak & Mr.Jitendra Pagare	D-Link Academy, Mumbai
	3	Short Term	13/12/2016	31	Mr. Somil	Persistent, Nagpur

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		Training Program on Big Data Analytics and Hadoop Technology	to 17/12/2016		Deshmukh, Technical Head	
	4	Discussion on M.Tech. For coverage of the syllabus of First Semester Subjects	3 rd Dec 2016	54	Dr. S.S. Shriramwar Mr. A.B. Jirapure Mr. Nasirruddin Ms. S. Chaturvedi Mr. P.R. Rothe	Priyadarshini Bhagwati College of Engg. Anjuman College of Engg, Nagpur Priyadarshini Institute of Engg & Tech., Nagpur
	5	Recent Trends in Engineering materials	18/07/2016 to 22/07/2016	42	Dr.(Mrs) P.S. Sawadh Dr. D. Battalwar Dr. A. V. Maldhure Mrs. Anuradha Koteshwar Dr. Mangesh Madurwar Dr.(Mrs) S. A. Pande Dr. Poornima Karandikar Dr. D. R. Peshwe Mr. A. K. Barlewar Dr. K. G. Rewatkar Dr. S. P. Singh Dr. R. M. Jugade	Bapurao Deshmukh College of Engg, Sewagram
2015-16	6	Curriculum Development to discuss various aspects of coverage of the syllabus of 7 th	27/08/2015	142	Dr. A.K. Mitra Dr. P.L. Zade Dr. S.L. Badjate Dr. S.S. Limaye Mr. S.N. Palod	MIET, Gondia YCCE, Nagpur SBJIT, Nagpur SVP CET, Nagpur SRPCE, Nagpur

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		semester subjects				
2014-15	7	One Week ISTE Approved Self Financed Short Term Training Program on “Digital CMOS VLSI design and FPGA”	23/06/2015 to 27/06/2015	37	Mr. Rajesh Kondawar Dr. S. S. Shriramwar Mr. Shrikant Atkarne Dr. S. Sharma	EDAS Technology, Nagpur & JIT, Nagpur
	8	Curriculum Development	11/09/ 2014		Dr. R. Pandey Dr. Muley Dr. P.T. Karule Mr. S.S. Sharma Dr. A.K. Mitra Mr. P.D. Khandait	RKNEC, Nagpur PCE, Nagpur YCCE, Nagpur PCE, Nagpur MIET, Gondia KDKCE, Nagpur
2013-14	9	Curriculum Development of B.E. 4 th semester for the subjects of Electronics Engineering	18/10/2013		Mr. A.K. Mitra Mr. P.R. Rothe Mr. S.S. Shriramwar Mr. S.L. Badjate	MIET, Gondia PCE, Nagpur SBJIT, Nagpur
2012-13	10	Santilli’s New Mathematics for 21 st Century Sciences” Sponsored by The	06/04/2013	80	Dr. A. A. Bhalekar Dr. V. M. Tangde	R.M.Santilli Foundation Palm Harbor, FL, USA

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

College has well qualified doctorate and senior faculties who are having varied research area as shown below.

Table 3.7: Research Areas of the Faculty

Sr. No.	Name of Department	Name of Faculty	Areas of Research
1	Electronics & Communication Engineering	Dr .N. K. Choudhari	Signal Processing
2		Ms. D. M. Kate	Signal Processing
3		Ms. P.V. Gawande	Image Processing
4		Ms. S. S. Dhanvijay	Image Processing
5		Mr. A. D. Landge	Image Processing and VLSI
6		Mr. S.M. Lichade	VLSI
7		Ms. A.P. Thakre	Digital Signal processing and architecture
8		Ms. M.R. Gupta	Image Processing
9		Ms. T. U. Pathan	VLSI
10	First Year	Dr. (Mrs) A.R.Chaudhari	Utilisation of industrial waste lignin, Preparation of Activated Carbon from Biomass and Absorption studies
11		Dr. (Mrs) R.A. Nandanwar	Utilisation of industrial waste lignin and Preparation of Activated Coke from bio-waste materials
12		Dr. A.C. Halдар	Synthetic organic Chemistry (small building blocks for medicinal chemistry) and Green Chemistry
13		Dr.(Mrs) A .R. Golhar	Ultrasonic Nondestructive technique
14		Prof. U.V.Gaikwad	Synthesis and Characterization of Smart Materials
15		Dr. B. Ilamkar	Conducting polymer for biosensor

16		Prof. N. Ramtekkar	Some problems of Chaplygin gas as model for dark energy in
17		Prof. A.N. Burile	Environmental Engg.
18		Prof. Arti Sorte	Environmental Engg.
19		Prof. R.K. Bhoyar	Machine Design
20		Prof. N. M. Bante	Electrical machines
21		Prof. S. A. Bhande	Power System
22		Dr. N. Matey	Christian mythology
23		Prof. V.M. Atkari	Effects of business cycle on current market structure
24	Civil Engineering	Mr. R. N. Patil	Water, Waste Water, Solid Waste Management.
25		Mr. K.V. Madurwar	Soil Stabilization
26		Mr. T. R. Patil	Materials
27		Mr. S.N. Shinde	Composite Materials
28		Mr. N. B. Thikare	Materials
29		Ms. N. R. Gautam	Soil Stabilization
30	Computer Science & Engineering	Mr. K. N.Hande	Cryptography, Network Security
31		Ms. Archana A Nikose	Wireless communication Networking
32		Prof. D.B.Khadse	Computer system security ,data structure
33		Ms. D. P. Radke	Computer Networks & Network Security
34		Mr. D.V. Jamthe	Computer network, Computer Security
35		Ms. Shrunkhala S. Wankhede	Database Management System
36		Mr. M. S. Chaudhari	Data Mining

37	Information technology	Mr. Y. B. Malode	Database Management System, Data Mining
38		Ms. R. D. Shinganjude	Wireless Sensor Network and Security
39	Mechanical Engineering	Mr. S. M. Pimpalgaonkar	Industrial engineering and operation research
40		Mr.A.B.Ganorkar	Heat power and costing
41		Mr. S.G. Ghugal	Design engineering
42		Mr. S. V. Kale	Design and lean manufacturing
43		Mrs. S. V. Borkar	Heat power
44		Mr.R.K.Bhoyar	Design engineering
45		Mr.S.P.Daf	Industrial engineering and operation research
46		Mr.A.D.Anjekar	Design engineering
47		K.D.Ganvir	Design engineering
48		Mrs.M.M.Wandhare	Heat power
49		Electronics Engineering	Mr. P.R. Bokde
50	Ms.S.B.Dhoble		Signal processing
51	Mr.P.M.Palkar		Data Communication
52	P. N. Aerkewar		Image Segmentation

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- The college organizes various seminars, workshops, STTPs, FDPs, in which eminent researchers and academicians from various industries and educational institutions are invited as expert speakers.
- During the training they interact with teachers and students to explore the new and emerging ideas.
- Project evaluation of final year students is done by experts from industry and academia. During their interaction with students they give valuable suggestion and guidance for improvement.

- College organizes regularly technical fests like “Addhyayan”, “Abhishilp”, “Anusandhan”, “Abhyuday”etc. in which we invite judges from reputed institutes and industries. They provide the valuable inputs and improvements, which nurtures the creativity and research aptitude in the students.
- The list of experts visited to the departments is given in the evaluative reports of the respective depts.

Table 3.8: Details of National Students Convention Organized

Sr No	Dept	Name of the Convention	Year	Name of the Eminent Visitor/
1	All Departments	Addhyayan	2017	Dr N D Khati, Controller of Examination , RTMNU, Nagpur Dr AR Sahoo, Professor, GHRACT, Nagpur. Dr R D Thakre, Professor, YCCE, Nagpur. Dr P V Washimkar, Professor, NIT, Nagpur. Prof. D A Borikar, Assistant Prof, RCOEM, Nagpur. Prof. Tasneem Khan, ACOET, Nagpur. Prof Archana Dehankar, PCE, Nagpur.
2	All Departments	Addhyayan	2016	Dr D K Agrawal, Director, BCUD, RTMNU, Nagpur, Dr. M. D. Choudhary, Coordinator Dean Engg & Tech RTMNU Nagpur, Dr M S Khatib, Professor & Head CSE Deptt, ACET Dr R D Thakare, Professor EN Deptt YCCE Dr. P. Sakhlecha, BDCOE Dr. (Mrs.) A L Tulankar, KDKCE Nagpur Dr Mrs A P Rathkanthiwar, Associate Professor, PCE Nagpur

3	All Departments	Addhyayan	2014	<p>Prof V Dhawale, Ram Meghe College, Badnera.</p> <p>Dr S S Shriramwar, PCE, Nagpur.</p> <p>Prof S N Dagadkar, BDCOE.</p> <p>Dr V M Tangde, PGTD, RTMNU, Nagpur.</p> <p>Prof G H Agarwal, KDKCOE, Nagpur.</p> <p>Mr A Palandurkar, ANCYBER Pvt Ltd., Nagpur.</p> <p>Prof. Amol Andhare, RKNEC, Nagpur.</p>
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3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Faculty members are encouraged to register for Ph D and carry out the research work. They are also encouraged to attend various seminars, conferences for paper presentation. Faculties perusing Ph D's have to attend the research methodology workshop as per university directive. Duty leaves and On Duty leaves are sanctioned to the faculties for all above reasons.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

- Students and faculty members are encouraged to present their research work in various seminars and conferences.
- Student and faculty members are motivated to publish their work in various national and international journals of repute.
- Many technical activities are organized at department, college and national level which includes paper & poster presentations, project competition, bread board competition, web designing, clay modeling and bridge making to showcase the technical talents of students to the students and teachers of other colleges.
- Many workshops in collaborations with IIT's, NPTI are organized which helps in developing scientific temper in students.
- Project evaluation of final year students is done by experts from industry and academia. During their interaction with students they give valuable suggestion and guidance for improvement.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

Table 3.9: Major heads of expenditure for research

2016-17

Sr No	Major heads of expenditure for research	Financial Allocation	Actual Utilization	Percentage of budget for research
01	R & D expenditure for Staff	600000	273052	0.68%
02	R & D expenditure for Student		239696	
Total			512748	

2015-16

Sr No	Major heads of expenditure for research	Financial Allocation	Actual Utilization	Percentage of budget for research
01	R & D expenditure for Staff	700000	321619	0.95%
02	R & D expenditure for Student		340440	
Total			662059	

2014-15

Sr No	Major heads of expenditure for research	Financial Allocation	Actual Utilization	Percentage of budget for research
01	R & D expenditure for Staff	600000	151500	0.82%
02	R & D expenditure for Student		426140	
Total			577640	

2013-14

Sr	Major heads of	Financial	Actual	Percentage of
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No	expenditure for research	Allocation	Utilization	budget for research
01	R & D expenditure for Staff	400000	93450	0.54%
02	R & D expenditure for Student		302900	
Total			396350	

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

- Though college does not have seed money for research work as of now, it will be provided in coming future.
- College provides financial support to the faculties to attend the conferences, seminars and publish and present the papers in conferences/journals.

3.2.3 What are the financial provisions made available to support student research projects by students?

College provides the financial assistance to selected projects of the final year students. Departments forward the requirements through Head and it is approved by the Principal every year. Students are also provided the assistance for paper publication at UG and PG level.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

Table 3.10: Interdisciplinary projects in the Institute

Sr No	Project Title	Name of Guide	Name of Co-Guide
1	Calculation Of Chlorophyll And Nitrogen Contents Of Leaves Using Harr Transform And Neural Network	Ms. A.P. Thakare, Dept of EC	Dr.(Mrs.)A.R.Chaudhari, Dept of Chemistry

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2	Design and Fabrication Traffic Density Control using MATLAB.	Dr. N. K. Choudhari, Dept of EC	Mr. N. M. Bante, Dept of Electrical Engg
3	Speed Control Of DC Motor Using Mobile(GSM)	Ms. S.D Dhanvijay, Dept of EC	Mr. K. N. Hande, Dept of CSE
4	Advanced RF ID Based Multilevel Vehicle Parking System With GSM	Mr. A. D. Landge, Dept of EC	Dr.(Mrs.) A. R. Golhar, Dept of Physics
5	Vehicle Movement Based Street Light System Using Sensor	Mr. M. R. Gupta, Dept of EC	Ms. M. S. Chaudhari, Dept of IT
6	Experimental analysis of water for the removal of Iron by using corn cobs as a filtering medium	Mr. R. N. Patil, Dept Of Civil Engg	Dr.(Mrs.)A.R.Chaudhari, Dept of Chemistry
7	Feasibility study of existing village system for the development of modern ideal village	Mr. R. N. Patil, Dept Of Civil Engg	Dr. A C. Halder, Dept of Chemistry
8	Removal of iron by using Luffa as a bio-adsorbant	Mr. R. N. Patil, Dept Of Civil Engg	Dr.(Ms.) R A Nandnawar, Dept of Chemistry
9	Preparation and characterization of activated carbon from bio-materials.	Mr. R. N. Patil, Dept Of Civil Engg	Dr.(Mrs.)A.R.Chaudhari, Dept of Chemistry
10	Preparation and characterization of activated carbon from barks of aghada, arjuna and sagargoti	Mr. R. N. Patil, Dept Of Civil Engg	Dr.(Ms.) R A Nandnawar, Dept of Chemistry

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- Equipments and software's are purchased and installed in the respective labs of the departments as prescribed by University syllabus.
- All the labs are set up as per the AICTE norms and they are being utilized properly in the semester as per the hours specified in the syllabus and teaching scheme.
- We also prepare and provide standard lab manuals and lab journals to the students so as to use the equipments optimally and gain the practical knowledge.
- College has the practice of yearly stock audit of the departments where it is reported that whether the instrument or equipment is in the working condition or not.
- By student feedback about the performance of various practical's in the lab.
- Regular maintenance of equipments and machines is done.
- We motivate our students to utilize the laboratory facilities for project work implementation.
- Faculties perusing research work are motivated to utilize the facilities available in the college.
- Heads and Principal takes the surprise visit of the laboratory and ask the teachers and students to perform the practical to ensure the smooth conduction of laboratory work.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If —yes give details

Yes, the college has received funds from Santillis Foundation, USA to conduct one day workshop.

Table 3.11: Special Grant received

Sr No	Name of the Event	Date	Amount Received	Funding Agency	Experts
01	Santillis New Mathematics for 21 st Century	06 April 2013	1500 USD (Rs 88000/-)	RM Santilli Foundation, Palm Harbor, Florida, USA	Dr A A Bhalekar, Professor Emeritus, CSIR New Delhi Dr G S Nataraajn, Ex-Director, LIT,

					Nagpur.
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3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

College provides the orientation and motivational support for submitting the research proposal to funding agencies by the faculties. Dean, R& D of Lokmanya Tilak Jankalyan Shikshan Sanstha conducts the meeting with the senior faculties where he guides on the selection of funding agencies, areas for upcoming research, industrial problems. He also guides about preparation and submission of project proposals. Recently we have submitted following scheme proposal to the AICTE for funding.

Table 3.12: Proposals sent to AICTE under AQIS scheme in 2017-18

Sr No	Name of Dept.	Name of Principal Investigator/Coordinator	Title of proposal	Total fund requested	Scheme under which applied
01	Electronics & Communication	Dr N K Choudhari	Hands On FDP On Digital System Design Using VHDL And FPGA	2,25,000/-	FDP
02	Computer Sc. & Engg	Mr K N Hande	FDP On Wired And Wireless Network Security Issues And Challenges	1,69,000/-	FDP
03	First Year	Dr (Mrs) A R Chaudhari	International Conference On Innovations In Engineering And Science	1,30,000/-	Conference

04	Electronics & Communication	Dr (Mrs) A R Chaudhari	Design and Development of NDT based Electronic System for Evaluation of Properties of Coal	14,25,000 /-	RPS
05	Computer Sc. & Engg	Mr K N Hande	Evaluation and Enhancement of Networking Protocols for Wireless & Wired Networks	22,95,000 /-	RPS
06	Electronics & Communication	Dr N K Choudhari	Evaluation Of Characteristics Of Aluminium By Using Ultrasonics Non-Destructive Techniques	22,50,000 /-	RPS

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

Table 3.13: Research Facilities

Sr No	Name of Department	Equipments Available	Remarks
		Television Trainer Kits	Audio Video Reception
		Digital Storage Oscilloscope Color pattern generator	To record Digital Display
		Ask, BPSK, DBPASK and FSK modulator and	Digital modulation

01	Electronics & Communication Engg	demodulator kit.	
		Minimum shift keying modulation technique kit.	Digital modulation
		Micro controller kits	Programming and Interfacing
		DSP Starter KIT TMS320C6713	DSP programming
		DSP Starter KIT TMS320VC5416 DSK	DSP programming
02	Civil Engineering	California Bearing Ration Apparatus	Strength of material
		Comprehensive Testing Machine	Comprehensive Strength of concrete
		Muffle Furnace	Combustion of material
		Orbital shaking incubator	Solubility study
		pH meter	pH testing
		DO meter	Dissolve oxygen measure
		Conductivity Meter	Nutrient, salts or impurity in water
		Unconfined Compression testing Machine	Compression strength of concrete
03	Mechanical Engg	Direct Shear Test	Shear strength
		Metallurgical Microscope	Metallic
		Rockwell Cum Rockwell Superficial Hardness Testing M/C	Testing machine
		Rockwell Cum Brinell Hardness Testing M/C	Testing machine
		Lathe M/C	Job Machining
		Milling M/C	Job Molding
		Shaper M/C	Job Molding
		Radial Drill M/C	Job Molding
		Pillar Drill M/C	Job Molding
		Test Setup for Motorized Gyroscope	Gyroscopic couple
		Universal Governor Apparatus	Speed Control
		Longitudinal Vibration Test Setup	Vibration testing
		Kaplan Turbine	Hydraulic Power measurement
Francies Turbine	Hydraulic Power measurement		
Reciprocating Pump Test	Suction & discharge		

		Rig	testing
		Pit Furnace	Melting purpose
		Molding Tools	Mould testing
		Thermal Conductivity of Metal Rod set up	Heat power transfer
		4-Stroke 4 cylinder Petrol Engine	Characteristics IC engine
		Air Compressor Test rig	Air Pressure
		Photovoltaic apparatus	Non conversion energy source machine
		PLC Simulator	PLC projects
04	Computer Sc. & Engg	MATLAB	MATLAB is a high-performance language for technical computing.
		ECLIPSE	Java-based open source platform
		DOS Box Emulator	Emulator program for DOS operating system
		EAGLE	Scriptable electronic design automation application
		Oracle Database 11g+	Data base software
		WEKA	Weka is a collection of machine learning algorithms for data mining tasks.
		QUCS	Quite Universal Circuit Simulator
05	Information Technology	Python	Python is a high-level, interactive, object-oriented language
		KiCad	KiCad is an open-source software tool for the creation of electronic schematic diagrams and PCB artwork. kicad-common 0.20131208+bzr4024-1ubuntu2

		Freecad	Feature based Parametric Modeler(AutoCAD like open source source) freecad 0.13.2935-dfsg-1.1build1
		MATLAB	MATLAB is a high-performance language for technical computing.
		Wireshark	Network traffic analyzer wireshark 1.10.6-1
		Java	The JDK(TM) is a development environment for building and running applications, applets, and components using the Java programming language. JDK- 7
		Oracle Database 11g+	Data base software
		Mono Develop	Mono is a platform for running and developing applications based on the ECMA/ISO Standards.
		QUCS	Quite Universal Circuit Simulator
06	Electronics Engineering	5HP, DC Shunt Motor	Parameters measurement and control
		Induction Motor	Parameters measurement and control
		Single power supply 0-32 volt/0-2Amp	Input Source
		20MHz dual channel CRO	Analog signal Display
		Function Generator 1MHz	Input Source for Multiple frequency
		Auto LCR Q Tester	Testing meter
		Regulated DC Power	Input Source

		Supply	
		PCB Curring Machine(Oven)	PCB Designing
		Photo Resist Coating Machine	PCB Designing
		PCB Etching machine	PCB Designing
		Shearing Machine	PCB Designing
		Drilling Machine	PCB Designing
07	First Year Department	Abel flash point apparatus Pensky and Clevlands	Testing Flash point Lubricant
		Redwood viscometer No. 1& 2	Testing Viscosity of Lubricant
		Penetrometer	Testing Grease
		Cloud and pour point apparatus	Testing lubricant for Lower temp.
		Muffle furnace	Coal analysis

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- College has Research Advisory Board which provides the guidelines to the faculties and students.
- As our college will be completing 10 years of existence, we will be applying to the University for approved research centre in Electronics Engineering branch which will attract the research scholars from outside as well as from inside the college.
- Separate budget allocation for R&D is provisioned in the central level budget and it is being utilized for the funding the various research activities.
- Every department has specified research area of their faculties and they have been regularly motivated to pursue the research work.
- Some faculties who are doing Ph D have set up the infrastructure for their research work in the college campus itself.
- The budget for R&D is to be increased in the coming years.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities??

If —yes, what are the instruments/ facilities created during the last four years?

This year we have applied for AICTE grants under AQIS through which we may create the new facilities, subject to sanction of grant. The existing set up and instrumentation available in the college is given below.

Table 3.14: Infrastructural facilities created

Sr No	Name of the Dept	Major Facility
01	Electronics & Comm Engg	MATLAB Simulink Software Motor Generator Set
02	Mechanical Engg	Ensys Software, I.C. Engine Lab Kaplan Turbine Francies Turbine
03	I Yr B.E.	Words Worth English Language software, Testing of lubricants, Testing of solid fuels
04	Civil Engg	UTM CTM Abbreation Testing machine Tortion Testing Machine Shear Testing Machine
05	Computer Science & Engg and Information Technology	MATLAB Simulink Software, Computing facilities

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Following are the research facilities and research centers available to the faculties and students.

Table 3.15: Research Facilities available outside campus

Sr No	Name of Research Centre	Affiliating University	Area of Research
1	Visvesvaraya National Institute of Technology, Nagpur	Visvesvaraya National Institute of Technology, Nagpur	Computer Science and Engineering, Information Technology, Electronics Engineering, Mechanical Engg,

			Civil Engg., Basic Sciences & Humanities
2	GH Raisonni College of Engineering, Nagpur	Rashtrasant Tukadoji Maharaj Nagpur University	Electronics Engineering, Mechanical Engineering, Civil Engineering, Computer Science and Engineering, Information technology
3	Shri Ramdeobaba College Of Engineering and Management, Nagpur	Rashtrasant Tukadoji Maharaj Nagpur University	Electronics Engineering, Mechanical Engineering, Civil Engineering, Computer Science and Engineering, Information technology
4	Yeshwantrao Chavan College Of Engineering, Nagpur	Rashtrasant Tukadoji Maharaj Nagpur University	Electronics Engineering, Mechanical Engineering, Civil Engineering, Computer Science and Engineering, Information technology
5	Priyadarshini College of Engineering, Nagpur	Rashtrasant Tukadoji Maharaj Nagpur University	Electronics Engineering, Mechanical Engineering
6	Bapurao Deshmukh College Of Engineering, Sevagram, Wardha	Rashtrasant Tukadoji Maharaj Nagpur University	Electronics Engineering, Mechanical Engineering Civil Engineering
7	Government College of Engineering, Amrawati	Sant Gadge Baba Amrawati university,Amrawati	Civil Engineering, Mechanical Engineering
8	Priyadarshini Institute of Engineering and Technology, Nagpur	Rashtrasant Tukadoji Maharaj Nagpur University	Computer Science and Engineering

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

- Students and faculty uses NPTEL videos for better understanding of the technical content.
- Library has Springer subscription which has large collection of books, technical papers and book chapters. This has been used by the faculty to upgrade the subject contents. Students are motivated to select the seminar and project topics from this resource.
- Library has separate multimedia section for the students which are available for NPTEL videos and lectures, to access online learning material.
- Student project thesis/reports repository is maintained in the library, which is used by the student as a reference to develop the projects.
- Research Article repository of the faculties is maintained in the library which support the students in their research publications, seminars and project work.

Table 3.16: Journals Available in the Library

Sr. No	Branch	National	Amount
1	B. E. 1 st Year	7	22400
2	Computer Science & Engg.	6	16000
3	Information Technology	6	19000
4	Electronics	6	17250
5	Electronics & Tele-Communication	6	18000
6	Mechanical	12	39600
7	Civil	6	22423
8	M Tech (CSE)	5	17000
9	M Tech (EC)	5	18750
10	Magazine	7	5227
	Total	66	1,95,650

3.3.6 What are the collaborative research facilities developed / created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

- Recently college has purchased the new software for English language, in which training is imparted.
- The faculties are trained for the software Words Worth English Language by the company Academy for Computer Training (Gujrat), Pvt Ltd.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- * Patents obtained and filed (process and product)
- * Original research contributing to product improvement
- * Research studies or surveys benefiting the community or improving the services
- * Research inputs contributing to new initiatives and social Development

Table 3.17: Patent filed by the faculty

Sr No	Name of the faculty	Title	Application No
01	Mr A B Ganorkar	Systems and Method for Online and Offline Advertisement	1685/MUM/2013
02		Systems and method for Presenting, Sharing of Information and Social Education System	3213/MUM/2014

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Presently we do not have any partnership of research journals, but we are planning to do it in future course of time.

3.4.3 Give details of publications by the faculty and students:

- * Publication per faculty
- * Number of papers published by faculty and students in peer reviewed journals (national / international)
- * Number of publications listed in International Database (for Eg: Web of Science, Scopus, And Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.)

- * **Monographs**
- * **Chapter in Books**
- * **Books Edited**
- * **Books with ISBN/ISSN Numbers with Details of Publishers**
- * **Citation Index**
- * **SNIP**
- * **SJR**
- * **Impact Factor**
- * **H-Index**

Table 3.18: Publications of the Departments

Department	Session	Journal Publications		Conference Presentation/Pu		Total
		Intl.	National	Intl.	National	
First Year B.E.	2016-17	07	01	02	04	16
	2015-16	19	00	07	01	27
	2014-15	13	01	09	04	27
	2013-14	12	01	00	07	20
	2012-13	08	01	03	10	22
	2011-12	05	08	02	02	17
Electronics & Communication Engineering	2016-17	17	00	00	00	17
	2015-16	21	01	05	02	33
	2014-15	05	00	05	01	11
	2013-14	04	01	04	01	10
	2012-13	11	01	13	08	33
	2011-12	06	01	07	02	16
Computer Science and Engineering	2016-17	05	00	00	00	05
	2015-16	19	00	03	01	23

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	2014-15	15	00	00	01	16
	2013-14	12	00	04	03	19
	2012-13	07	00	11	04	22
	2011-12	03	00	06	05	14
Civil Engineering	2016-17	8	00	02	02	12
	2015-16	15	00	07	07	29
	2014-15	10	01	05	05	21
	2013-14	1	00	00	00	01
Mechanical Engineering	2016-17	02	00	04	08	14
	2015-16	37	00	13	08	58
	2014-15	15	00	03	00	18
	2013-14	02	00	00	00	02
Information Technology	2015-16	16	00	05	00	21
	2014-15	08	01	04	01	14
	2013-14	10	00	04	01	15
	2012-13	05	00	02	00	7
	2011-12	00	00	01	01	2
Electronics Engineering	2016-17	09	00	01	04	13
	2015-16	13	00	05	00	18
	2014-15	05	00	03	00	08
	2013-14	12	00	02	05	19
	2012-13	06	00	03	00	09
	2011-12	01	00	00	02	03

Table 3.19: Faculty Citations and Indexes

Sr. No.	Name of Faculty	Citations	H-index	I10-index
1	Dr. N. K. Choudhari	81	05	02
2	Dr. (Mrs) A. R. Chaudhari	81	05	02
3	Dr. A. C. Haldar	45	03	03
4	Mr. K N Hande	67	04	02
5	Mr. Vishesh P. Gaikwad	01	01	00
6	Mr. D. V. Jamthe	06	01	00
7	Ms. Pranali B. Tumsare	01	01	00
8	Mr. M. S. Chaudhari	13	02	00
9	Ms. Rupali D. Shinganjude	02	01	00
10	Ms. Komal Pawar	01	01	00
11	Mr. P. R. Bokde	02	01	00
12	Ms. S. B. Dhoble	05	01	00

3.4.4 Provide details (if any) of

- * **Research awards received by the faculty**
- * **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally**
- * **Incentives given to faculty for receiving state, national and International recognitions for research contributions.**

Table 3.19: Awards Received by the Faculty

Sr No	Name of the faculty	Name of Award	Date	Remarks
01	Dr N. K. Choudhari	Included in who's who	2009	Cambridge
02	Mr.P.R. Bokde	Best Paper Award	27 th – 28 th January,	Paper Presentation at National Level

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	& Mr.M.R. Gupta		2014	Conference on advanced communication & Matlab (NCACM-14) organized by Shri Dutta Meghe Polytechnic, Nagpur
03	Mr. P.R. Bokde	Best Paper Award	January, 2010	Paper Presentation in National Level Conference at Priyadarshini College of Engineering
04	Ms. U. V. Gaikwad	Best Paper Award	22-23 April 2015	In International Conference on “Applicatins of Nanomaterials as a Sensors” Organised by Gaikwad Patil College of Engineering Nagpur on 22-23 April 2015
		Name mentioned in Asia/Pacific Who’s who	2016 Issue	
05	Ms. N. A. Ramtekkar	“ Young Relativist Award”	27-28 Jan 2017	In National Conference on “ Differential Geometry and its Application” Organized by Department of Mathematics and Statistics DDU Gorakhpur University

				Gorakhpur on 27-28 Jan 2017
06	Mr. M. S. Chaudhari	Best Manuscript in International Journal	29/01/2017	Standard International Journals
07	Dr. (Mrs.) A. R. Golhar	Name mentioned in Asia/Pacific Who's who	2016 Issue	

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute industry interface?

The college has adopted following strategies for institute-industry interface:

- The college has well structured Training & Placement Cell at Sanstha level and college level, which is handled by Dean (T&P) and T&P officer of the college to interact with the industries for campus placements, internships, trainings and career guidance.
- The college has Industry Institute Interaction Cell which conducts the programs and activities like “Short Training Program on Thermal Power Plant and Engineering”, “Available Schemes in MSME.”
- The college has Entrepreneurship Development Cell under which programs like various opportunities for young entrepreneurs are conducted in collaboration with KVIC.
- Various MoUs are signed by the college and Sanstha with industries and organizations. The list of MoU's is given below.

Table 3.20: Memorandum of Understanding MoU Signed

Sr No	Department	Name of the company/Industry	Date & Period of MoU	Objectives
01	Electronics & Communication Engg., Computer Sc. & Engg., Information Technology,	IT-NETWORKZ INFOSYSTEMS PVT LTD,NAGPUR	01 th July 2015 to 30 th June 2019	1. To Insure interaction between ITZ and PBCE in jointly beneficial areas towards student's technical development. 2. To provide formal

	Electronics Engg.			<p>basis for initiating interaction between ITZ and PBCE.</p> <p>3. To Endorse and enhance academic interest between ITZ and PBCE.</p> <p>4. To provide advice for implementation of quality and authorized IT and related education activity between institution.</p> <p>5. To encourage bright students of PBCE to come for internship / industrial visit / IT education at ITZ.</p> <p>6. To endorse IT, Communication, Robotics and Electronics related education activities between institutions.</p> <p>7. To make students eligible and provide them platform of international certifications towards IT and Communication.</p>
02	Electronics & Communication	RS e-Business	01 th July 2016 to	1.To endorse interaction between

	<p>Engg., Computer Sc. & Engg., Information Technology, Electronics Engg.</p>	<p>Solutions Nagpur</p>	<p>30th June 2019</p>	<p>RSE and PBCOE in jointly beneficial areas towards students technical development.</p> <p>2. To provide formal basis for initiating interaction between RSE and PBCOE.</p> <p>3. To endorse and enhance academic interest between RSE and PBCOE.</p> <p>4. To provide advice for implementation of quality and Authorized IT and related telecommunication education at PBCOE.</p> <p>5. To encourage bright students of PBCE to come for internship / industrial visit / IT education at RSE.</p> <p>6. To endorse IT related education activities between institutions.</p> <p>7. To make students eligible and provide them platform of international</p>
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				certifications towards IT.
03	Mechanical Engineering	AR Industries, Kapsi Nagpur	01 July 2014 to 30 June 2019	<p>1.To endorse interaction between AR industries and PBCE in jointly beneficial areas towards students technical development.</p> <p>2.To provide a formal basis for initiating interaction between AR industries and PBCE.</p> <p>3.To endorse and enhance academic interest between AR industries and PBCE.</p> <p>4.To provide advice for implementation on quality and related education at PBCE.</p> <p>5.To encourage bright students of PBCE to come for internship / industrial visit at AR industries.</p> <p>6.To endorse material testing, hydraulic machine,</p>

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				designing fabrication, designing and development of power plant as well as production and manufacturing process related education activities.
04	Mechanical Engg	TAL Manufacturing Solutions, Nagpur		To promote training of the students
05	All Branches	Indian Navy	14 Jan 2016	To promote interaction and co-operation
06	All Branches	Siddhayu: A Group Company of Baidyanath	21 Dec 2015	To promote research interaction and co-operation
07	Electronics & Communication Engg., Computer Sc. & Engg., Information Technology, Electronics Engg.	Axiom Softtech Pvt. Ltd.	13 Jan 2016	To promote research interaction and co-operation
08	All Branches	Quick Heal, Pune	05 Jan 2017	To form Cyber Awareness Literacy Cell to create cyber security awareness among students

09	All Branches	Pariksha.Co	13 Jun 2016	To establish a placement preparation programme for UG and PG students.
10	All Branches	ATS Infotech Pvt Ltd., Pune	27 Aug 2013	Training to the students

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

- In our college consultancy is considered as the faculty achievement in the field of R&D. The faculties are rewarded in terms of career advancement and other benefits.
- The expertise of the faculty is published through interaction with various industries and educational organization.
- It also available on the college website for wide publicity.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- In our college consultancy is considered as the faculty achievement in the field of R&D. The faculties are rewarded in terms of career advancement and other benefits.
- College provides the share to faculty in the consultancy fees generated.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

Table 3.21: Revenue generated through consultancy and other sources

Sr No	Name of the Company	Type of Work	Revenue generated	Month & Year
1	IT-Networkz Infosystem Pvt Ltd., Nagpur	Design & Implementation of project Work	Rs. 15,000/-	February 2017

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
**PRIYADARSHINI BHAGWATI
COLLEGE OF ENGINEERING**
(Formerly known as Smt. Bhagwati Chaturvedi College of Engineering)
Harpur Nagar, Umred Road, Nagpur - 440 024, (India)
Tel. : +91-712-2710281, 2710282. Fax : +91-712-2710283
E-mail : principal.bce@ltjss.net Website : www.bce.ltjss.net



Revenue Sharing Policy

OFFICE ORDER

It has been decided to distribute and allocate funds generated under consultancy/ product development / revenue generated through any other source. The following policy will be in effect immediately.

Sr No	Particulars	Percentage Share
1.	College	60%
2.	Concerned Department	20%
3.	Faculty/Staff/Coordinator	20%
Total		100%

Dr. N. K. Choudhari

Principal

Copy To:

1. R&D Coordinator, PBCOE
2. Accounts Section

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA

Lokmanya Tilak Bhavan, Laxmi Nagar, Nagpur - 440022, Maharashtra, INDIA. Tel.: +91-712 2230665, 2245121. Fax No : +91-712 2221430. Website : www.ltjss.net

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighbourhood community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

Our college conducts various programs for students which develops good citizenship, holistic development and responsibility towards society. The list of various programs is given below.

Table 3.22: Activities Conducted by NSS Cell

Sr No	Name of the Activity	Date of Activity	No. of students participated	Venue	Purpose of Activity
1	Save Water Save Planet Rally	26.01.2017	65	PBCOE, Nagpur	To Spread Awareness of importance of water in society
2	Cashless India Campaign	07.02.2017	105	PBCOE, Nagpur	Importance of Cashless Transaction to stop corruption
3	Voter Awareness Rally	25.01.2016	30	RTMNU Nagpur University	To Spread Awareness of Voting in society
4	Blood Donation Camp	15.09.2016	52 Students donated Blood	PBCOE, Nagpur	To motivate people to <i>donate blood</i> and social works.
5	State Level Student conference	21.08.2016	30	RTMNU Nagpur University	To share student view regarding social Issue
6	Donate for Education	13.08.2016	35	Valmiki Balsadan, Rameshwari, Nagpur	Donate Education related material to poor Students
7	Traffic rule Awareness Program	27.07.2016	110	PBCOE, Nagpur	Importance of Traffic rule
8	Swachaa Bharat Rally	15.08.2016	60	PBCOE, Nagpur	To Spread Awareness of Importance of cleanness in society

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9	Tree Plantation	07.07.2016	110	PBCOE & Sai mandir, Ayodhya Nagar, Nagpur	To motivate people for plantation for good and healthy environment
10	Vruksha Dindi	01.07.2016	30	RTMNU Nagpur University	To spread Awareness of Tree Plantation for healthy Environment
11	Tree Plantation	12.11.2015	105	PBCOE, Nagpur	To motivate people for plantation for clean and healthy environment
12	Hypnotism Program	08.10.2015	110	PBCOE, Nagpur	Importance of Hypnosis for good health
13	Shramdan	29.09.2015	50	Bada Taj Bagh Nagpur	To motivate people for cleanness.
14	Waste Collection Program	08.09.2015	50	Raja Baksha, Nagpur	To motivate people for cleanness.
15	Blood Donation Camp	09.08.2015	60	PBCOE, Nagpur	To motivate people to <i>donate blood</i> and social works.
16	Swachaa Bharat Sundar Bharat	08.10.2014	75	PBCOE, Nagpur	To motivate people for cleanness.
17	Sanitation Awareness	29.09.2014	80	PBCOE, Nagpur	To motivate people for cleanness.
18	Tree Plantation	08.09.2014	100	PBCOE, Nagpur	To motivate people for plantation for clean and healthy environment
19	Vyasan Mukti	22.08.2014	70	PBCOE,	To spread

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	Vyakhyan			Nagpur	awareness of hazardous effect of tobacco, alcohol on human
20	Green revolution and Plastic Awareness program	15.08.2014	80	PBCOE, Nagpur	To Spread the awareness of green revolution and hazardous effect of plastic for environment
21	Spiritual Lecture	05.02.2014	85	PBCOE, Nagpur	For Mental peace to relieve stress
22	Shramdan	28.01.2014	40	Panchwati Ashram, Nagpur	To motivate people for cleanness.
23	Save Nag River	21.02.2014	30	Triveni Sangam near Sita Burdi Nagpur	To spread awareness regarding cleanness and don't throw waste material in river
24	Jeevan Jeene ki Kala	05.02.2014	65	PBCOE, Nagpur	To motivate student for live healthy life
25	Quiz and Sport Competition for Orphan School	28.01.2014	45	Orphan School, Ikdganj, Nagpur	Responsibility towards underprivileged children
26	Sport Activity for Deaf and Dumb School	03.01.2014	50	Saraswati Vidya mandir, Shankar nagar, Nagpur	Services for physically challenged students
27	Fuel Saving Program	21.12.2013	55	Medical Square Nagpur	To Spread the awareness of importance of fuel in society
28	Tree Plantation	18.11.2013	105	PBCOE,	To motivate

				Nagpur	people for plantation for clean and healthy environment
29	Sahaj Yoga Dhyan	07.09.2013	95	PBCOE, Nagpur	To Motivate students for Yoga and benefit of Yoga for Human health
30	Blood Donation Camp	10.08.2013	60	PBCOE, Nagpur	To motivate people to <i>donate blood</i> and social works.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

We have strong team of students and dedicated teachers for promotion and conduction of activities on social movements.

- Teachers, Heads motivates the students to participate in social activities through class room counseling and personal counseling.
- Wide publicity is also given to the event or programs through notices, banners and other communication medium.
- NSS Cell and Student Cell promote the activities by identifying the active and leading students.
- Incentive marks are given to the active participants in NSS cell, sports, cultural and adult education cell.
- The active students are appreciated and praised in student programs so as to boost their moral and confidence.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The college has a feedback system which helps us to review the performance and implementation of valuable suggestions.

- Student Feedback System
- Parents feedback system
- Alumni Feedback system
- Employers Feedback system



Tree Plantation Programs

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The various outreach programs are organized under the NSS cell and student cell of college. The NSS cell of the college has some budgetary provision for such activities. Even some faculty members and students donate willingly for the cause.

Some of the programs conducted are, “Donate for Education”, “Quiz and Sport Competition for Orphan School”, “Sport Activity for Deaf and Dumb School”

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

The college promotes the participation of students in extension activities on social movements.

- Adult education cell of the college encourages the First year students to participate actively.
- Teachers, Heads motivates the students to participate in social activities through class room counseling and personal counseling.
- Wide publicity is also given to the event or programs through notices, banners and other communication medium.
- NSS Cell and Student Cell promote the activities by identifying the active and leading students.
- Incentive marks are given to the active participants in NSS cell, sports, cultural and adult education cell.
- The active students are appreciated and praised in student programs so as to boost their moral and confidence.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

Our college conducts many programs under NSS and student cell to empower students from under privileged and vulnerable section of society by educating them on the issues such as Sanitation Awareness, Swachh Bharat Sundar Bharat, Vyasana Mukti Rally, Save Water, Green revolution and Plastic awareness program, Nag River Cleaning program etc.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

By participating in extension activities, students develop sense of responsibility towards society, citizenship, service orientation and holistic development which is very significant from the perspective of their emotional quotient development.

Students develop the values such as dignity of labor, respect for others, helping and sharing attitude, teamwork etc.

Now days in industries and even in government organizations all these skills play a very important role in judging the performance.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

On founders day every year we organize the many programs to reach the community.

- Donation of chairs in temples.
- Donation of items of daily needs in old age home.
- Service at old age home under cleanliness drive.
- Conducted the free health check and eye check up camp for the Dipti Signal area of Nagpur.
- Donated spectacles to the needy persons at Dipti Signal Area of the Nagpur.
- Donation of food grains, sound system, carpet at community hall.
- Cleaning of Tajbagh Dargah at Dighori area of Nagpur.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

By continuously engaging in the activities of the community we have developed constructive relationship with following institutions.

- Panchwati Old Age Home at Umred Road, Nagpur.
- Deaf and Dumb School, Nagpur.
- Bada Tajbag Dargah, Dighor, Nagpur
- Shitla Mata Mandir, Dipti Signal, Nagpur.
- Madhavbaug Ayurvedic Cardiac Rehabilitation Centre, Nagpur.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

NIL

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Following are the ways by which college collaborate and interact for research activities.

- Few Students of our college are selected by the companies and organizations for live projects. Students carry out the project work in collaboration with these organizations along with the internal guide.
- One of the faculty member of our college Dr Mrs A R Golhar is recognized guide for Ph D in the RTM Nagpur University. She has carried out collaborative research with the faculties and scientists from Visvesarayya National Institute Technology, Nagpur, Central Institute of Mining and Fuel Research (CSIR).
- Two of our faculty member Dr (Mrs) A R Golhar and Ms D M Kate, have interacted with Central Power Research Institute, Koradi, Nagpur to characterize the samples by Non-destructive techniques to determine ultrasonic characteristics like velocity and attenuation.
- One of our faculty members Ms S B Dhoble has carried out Doctoral research work at Valsad District Cooperative Milk Producers Union Ltd., Vasudhara Dairy, Nagpur to check the quality of milk material.

Table 3.23: List of Collaborations and Interaction

Sr No	Name of the Organization	Nature of Interaction / Collaboration	Student / faculties involved
1	Persistent Systems Pvt Ltd, Nagpur	Selection of students as project trainee to carry out live	Prasanna Lekurwale, Rahi Wadaskar, Anand

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		projects and Internship programs for the students	Shringawpawar, Shweta Gharge,
2	ITNetworkz Systems Pvt Ltd., Nagpur.		Vidya Wankhede, Harsha Kawale, Yashshri Pahade, Unnati Kedare, Advait Pundlaik, Uttakarsha Mandade, Rajat Sonkusare
3	KR Moulding Works, Nagpur	Selection of students as project trainee to carry out live projects and Internship programs for the students	Akash Mankar, Shahaban Ansari, Firoz Meshram, Jagdish Kale, Vinil Lanjewar, Shubham Pawade, Tushar Kakde, Pankaj Wanjari
4	Amol Autoparts, Pune	Selection of students as project trainee to carry out live projects and Internship programs for the students	Jabir Ansari, Jayant Thawakar, Swapnil Pohankar
5	Visvesarayya National Institute Technology, Nagpur	Guidance for Doctoral research work	Dr (Mrs) A R Chaudhari from our college and Dr J D Ekhe from VNIT Nagpur has jointly guided the Ph D student
6	Central Institute of Mining and Fuel Research (CSIR	Guidance for Doctoral research work	Dr (Mrs) A R Chaudhari from our college and

	LAB)		Dr Shripal Singh from CIMFR, Nagpur has jointly guided the Ph D student
7	Central Power Research Institute, Koradi, Nagpur	Characterization of samples by Non-destructive techniques to determine ultrasonic characteristics like velocity and attenuation.	Dr Mrs A R Golhar and Ms D M Kate
8	Valsad District Cooperative Milk Producers Union Ltd., Vasudhara Dairy, Nagpur	To check the quality of milk material	Ms S B Dhoble
9	BDA Pharma Pvt Ltd. Aas Pathology Laboratory	As a ISO Auditor	Mr A B Ganorkar

3.7.2 Provide details on the MoU/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate Corporate entities) etc. and how they have contributed to the development of the institution.

Our college has MoU and collaborative arrangements with the following companies and organizations:

- QuickHeal, Pune.
- ITNetworkz Infosystems Pvt Ltd, Nagpur.
- RS e-Business Solutions Nagpur
- AR Industries, Nagpur
- TAL Manufacturing Systems.
- Indian Navy
- Siddhayu: A Baidyanath Group of Companies.
- Axiom Softtech Pvt Ltd., Nagpur.
- Pariksha.Co

- ATS Infotech Pvt Ltd, Pune.

Under this arrangement of the MoU's signed the college has benefitted in many ways like:

- Selection of project trainee for live project
- Internship programs for the students
- Industrial visits
- Teachers training programs like STTP by the experts from the concerned organization
- Guest lectures
- Workshops and seminars are organized for the students on current trends.

Refer Table No 3.20: for the MoU's Signed

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment /creation/up gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

The Industry-Institute interaction has contributed in many aspects with respect to students and staff.

- Placement of students in reputed companies
- Internships programs offered for the students
- Improvement in academic performance of students.
- Upgradation of knowledge of students and faculty members through workshops, seminars and FDPs.

3.7.4 Highlighting the names of eminent scientists/participants, who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Table 3.24: List of the Eminent Visitors to the College

Sr No	Name of the Convention/ Event	Year	Name of the Eminent Visitor
1	Addhyayan-National Students Convention	2017	<ul style="list-style-type: none"> • Dr N T Khati, Controller of Examination , RTMNU, Nagpur • Dr A.R. Sahoo, Professor, GHRACT, Nagpur. • Dr R D Thakre, Professor, YCCE, Nagpur.

			<ul style="list-style-type: none"> • Dr P V Washimkar, Professor, NIT, Nagpur. • Prof. D A Borikar, Assistant Prof, RCOEM, Nagpur. • Prof. Tasneem Khan, ACOET, Nagpur. • Prof Archana Dehankar, PCE, Nagpur.
2	Workshop on Various aspects of Power Sector	2016	<ul style="list-style-type: none"> • Prof. N. C. Moharil, Director, NPTI, Nagpur.
3	Addhyayan-National Students Convention	2016	<ul style="list-style-type: none"> • Dr D K Agrawal, Director, BCUD, RTMNU, Nagpur, • Dr. M. D. Choudhary, Coordinator Dean Engg & Tech RTMNU Nagpur, • Dr M S Khatib, Professor & Head CSE Deptt, ACET • Dr R D Thakare, Professor EN Deptt YCCE • Dr. P. Sakhlecha, BDCOE • Dr. (Mrs.) A L Tulankar, KDKCE Nagpur • Dr Mrs A P Rathkanthiwar, Associate Professor, PCE Nagpur
4	STTP on Recent Trends in Engineering Material	2016	<ul style="list-style-type: none"> • Dr M D Chaudhary, Coordinator & Dean, Faculty of Basic Sciences & Humanities • RTM Nagpur University, Nagpur. • Dr D R Peshwe, VNIT, Nagpur. • Dr Mrs P S Sawadh, BDCOE, Nagpur. • Dr A V Maldure, NEERI, Nagpur. • Dr Mrs Shilpa Pande, LIT, Nagpur. • Dr D Battalwar, SMS Envocare Nagpur • Mrs A Koteswar, Alpha Industries, Nagpur. • Mr A K Barlewar, Mouda Super Thermal Power Station, Nagpur • Dr S P Singh, CIMFR-CSIR, Nagpur.

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			<ul style="list-style-type: none"> • Dr J D Ekhe, VNIT, Nagpur.
5	Bhagwati Championship	2016	<ul style="list-style-type: none"> • Dr J P Modak, Dean (R&D), LTJSS and EX-Professor, VNIT, Nagpur.
6	Abhishilp – National Level Project Competition	2015	<ul style="list-style-type: none"> • Dr Satish Chatirvedi, Chairman, LTJSS. • Mrs Abha Chaturvedi, Secretary, LTJSS.
7	Abhyuday-National Level Quiz Competition	2015	<ul style="list-style-type: none"> • Mr Kaustav Chatergi, Reva Enviro Systems Pvt. Ltd., Nagpur & Co-founder Green Vigil Foundation • Mr Makarand Dixit, Dean (T&P), LTJSS, Nagpur.
8	Anusandhan-National Level Hardware and Software Project Competition	2015	<ul style="list-style-type: none"> • Dr R S Pande, Principal, RCOEM, Nagpur.
9	Addhyayan-National Students Convention	2014	<ul style="list-style-type: none"> • Prof V Dhawale, Ram Meghe College, Badnera. • Dr S S Shriramwar, PCE, Nagpur. • Prof S N Dagadkar, BDCOE. • Dr V M Tangde, PGTD, RTMNU, Nagpur. • Prof G H Agarwal, KDKCOE, Nagpur. • Mr A Palandurkar, ANCYBER Pvt Ltd., Nagpur. • Prof. Amol Andhare, RKNEC, Nagpur.
10	Anubhuti	2014	<ul style="list-style-type: none"> • Dr M M Yenki, Pro-VC and EX-Director, LIT Nagpur. • Ms Vidyankini, HR Manager, Cryptex

			Technologies Pvt Ltd, Nagpur.
11	One day workshop on Santillis New Mathematics for 21 st Century	2013	<ul style="list-style-type: none"> • Dr A A Bhalekar, Professor Emeritus, CSIR New Delhi, PGTD Campus Nagpur. • Dr G S Nataraajn, Ex-Director, LIT, Nagpur.

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

- a) Curriculum development/enrichment
- b) Internship/ On-the-job training
- c) Summer placement
- d) Faculty exchange and professional development
- e) Research
- f) Consultancy
- g) Extension
- h) Publication
- i) Student Placement
- j) Twinning programmes
- k) Introduction of new courses
- l) Student exchange
- m) Any other

Amongst the collaboration and linkages with various organizations we have actually signed MoU's and agreement with following companies.

- QuickHeal, Pune.
- ITNetworkz Infosystems Pvt Ltd, Nagpur.
- RS e-Business Solutions Nagpur
- AR Industries, Nagpur
- TAL Manufacturing Systems.
- Indian Navy
- Siddhayu: A Baidyanath Group of Companies.
- Axiom Sofittech Pvt Ltd., Nagpur.
- Pariksha.Co (A KnocTowl Technologies Private Ltd Venture)
- ATS Infotech Pvt Ltd.

Under this arrangement of the MoU's signed the college has benefitted in many ways like:

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- Selecting project trainee for live project
- Internship programs for the students
- Industrial visits
- Teachers training programs like STTP by the experts from the concerned organization
- Guest lectures
- Workshops and seminars are organized for the students on current trends.

Table 3.25: The names of the beneficiaries are as given below

Sr No	Name of the Organization	Nature of Interaction / Collaboration	Names of student beneficiaries
1	Persistent Systems Pvt Ltd, Nagpur	Selection of students as project trainee to carry out live projects and Internship programs for the students	Prasanna Lekurwale, Rahi Wadaskar, Anand Shringawpawar, Shweta Gharge,
2	IT Networkz Systems Pvt Ltd., Nagpur.		Vidya Wankhede, Harsha Kawale, Yashshri Pahade, Unnati Kedare, Advait Pundlaik, Uttakarsha Mandade, Rajat Sonkusare

Table 3.26: Student Internships

Sr No	Name of Students	Sem/ Year	Name of Company/ Organization
1.	Mr. Prajyot Khode, Ramdhan Diwan, Ms. Sakshi Pandit, Ms. Samta Dhole, Ms. Swarda Shete Ms. Trupti Sontakke Nikita Dudhpachare	2 ND YEAR EC	IT Networkz Infosystems Pvt Ltd, Nagpur.

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2.	Sachin Kodwate, Ashendrakumar Pal,Chetan Mohane	IV/II ME	National Power Training Institute
3.	Ajay Pandey, Ravi Gupta,Hemant Pounikar, Rahul Shau, Rohan Dahake	IV/II ME	South East Central Railway
4.	Vrushabh Bhilkar, Pratik Dhimole, Priyesyogesh Dhudhankarh Tupkar	VI/III ME	National Power Training Institute
5.	Sanket Makode	VI/III ME	Koradi Training Centre
6.	Chaitanya Kale	IV ME	KEC, International Ltd
7.	Shubham Dahake	VII ME	Bajaj Steel Industries Ltd
8.	Lalit Bhoyar	VII ME	NTPC Limited
9.	Lalit Bhoya, Kiran Paraye	VII ME	Mahagenco Koradi
10.	Akash Bhagat	VI	Astral
11.	Akash Bhagat	VI	South East Central Railway
12.	Jeffy Shaji	VII	Barclays
13.	Jeffy Shaji	VII	NPTI
14.	Keshav Dhanfole	VI	Diesel Lokoshed, Nagpur
15.	Gaurav Borkar	IV	National Power Training Institute

16.	Nilesh Khalode Sagar Kale, Vivek Nandan, Rishabh Junwale	VI SEM CV	Unity Infraproject Ltd
17.	Palash Mohadikar, Suraj Lehale, Yuvraj Chhadi	VI SEM	Maharashtra State Road Development Corporation Ltd
18.	Akshay Bhandarkar, Shrutika Sopavan Hatwarlat,Shantanu Udapure,Triveni Thakre	IV SEM	Robotics &Computer Applications Institute Of USA

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

The college has planned to establish more linkages and collaborations with industries and educational organizations of repute so as to enhance the industry institute interaction and collaborative research. The institute has well established and structured Training and Placement Cell, III cell and ED cell which are continuously striving for collaborations with different organizations. We are in process of signing up more MoUs with the various industries.

Few faculty members are recognized supervisors for Ph D, hence they are actively involved in research and development. Many faculty members have been awarded Ph D and other faculty members are perusing their doctoral research. We have good no of faculty publications in national and international journal of repute. As our college will be completing 10 years in month of September 2017 we are planning to apply for approved research centre of RTM Nagpur University.

- We have applied for setting up of Business Incubator under the scheme of support for Entrepreneurial and managerial Development of Small and Medium Enterprise under the Ministry of Micro, Small and Medium Enterprises (MSME). We have received their acknowledgement stating recommendation of our application through office of DC (MSME) for grant of business incubator. Letter received is shown below.
- We have also received RFP for empanelment of project institutes under the national scheme of entrepreneurship development, Pradhanmantri Yuva Yojna (Formerly known as Udyamitya). The letter submitted is shown below.



भारत सरकार
GOVERNMENT OF INDIA
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
एमएसएमई - विकास संस्थान
MSME - DEVELOPMENT INSTITUTE
(FORMERLY SMALL INDUSTRIES SERVICE INSTITUTE)
C-Block, C.G.O. Complex, Seminary Hills, Nagpur-440 006
Tel. No. 2510046, 2510352, Telefax: 0712-2511985

No. T-17(39)Incubator/2016/ 254]

Date: 10.01.2017

To,
The Development Commissioner (MSME),
Nirman Bhawan, (7th Floor),
Maulana Azad Road,
New Delhi - 110 108.

Kind Attn.:- Shri D.K. Katara, Dv. Director

Subject:- **Submission of Proposal for setting up of Business Incubator under the Scheme of support for Entrepreneurial and Managerial Development of SMEs through Incubator- reg.**

Sir,

I am directed to refer the letter No. 011 dated 15th December 2016 received from **Principal, Priyadarshini Bhagwati college of Engg, Umareer Road, Nagpur (Maharashtra)** on the subject cited above.

In this regard, it is to inform you that this office has received the proposal for setting up of Business Incubator under the scheme without ideas in two copies. This office has scrutinized the same & hereby recommends to the DC (MSME) for grant of Business Incubator status without ideas at the preliminary stage. A copy of said proposal is enclosed & forwarded agraph for your necessary action at your end.

This issues with the approval of Director.

Yours faithfully,

(S.R. Khujare)
Asstt. Director (Met.)
For Director

Encl: As above.

✓ C.C.: The Principal, Priyadarshini Bhagwati College of Engineering, Harpur Nagar, Umareer Road, Nagpur - 44 0024 - for information.

(S.R. Khujare)
Asstt. Director (Met.)
For Director

ok



डॉ. मय्या टी. आर. बुरकडान् म्हाशय्या संस्था
**PRIYADARSHINI BHAGWATI
COLLEGE OF ENGINEERING**
(Formerly known as Smt. Bhagwati Chaturvedi College of Engineering)
Bharpur Nagar, Unnati Road, Nagpur - 462026 (India)
Tel : +91 732 2710281, 2710282 Fax: +91 732 2710283
E-mail : principal_bce@bps.net Website : www.bcece.lss.net



Ref: PBCOE/ADMIN/2016-17/35

Dt: 10.10.2016

The Director General
NIESBUD
Ministry of Skill Development and Entrepreneurship
Govt of India
A-23, Sector - 62, Noida

This is in reference to the RFP for empanelment of Project Institutes under the National Scheme of Entrepreneurship Development. Priyadarshini Bhagwati College of Engineering, Nagpur, affiliated to Rashtrasant Tukadoji Maharaj Nagpur University is interested in getting empanelled as a Project Institute. The filled in application form as per proforma and the relevant supporting documents are hereby submitted for your positive consideration.

We shall be willing to provide any further information that may be needed in this regard.

Yours Truly

Authorised Signatory

Principal
Priyadarshini Bhagwati College of Engineering
Bharpur Nagar, Nagpur

(Mukesh Kumar Gupta)
Joint Director (Training)
The National Institute of Skill Development and Entrepreneurship
Small Business Development Centre (SBDC)
NIESBUD, Sector - 62, Noida (U.P.)
A-23, Sector - 62, Noida (U.P.)

Rishu
15.10.16

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The policy of the institute is to provide the infrastructure as per the norms laid down by AICTE and upgrade as per the growth-expansion. In addition to the physical infrastructure which caters for co-curricular and extra-curricular activities, the policy is to provide educational infrastructure for students in terms of library resources, software and equipment in the laboratories prescribed in the curriculum. The institute has a policy to provide Wi-Fi facility to the students.

Apart from adequate provision of class rooms with audio visual teaching aids and laboratory infrastructure for each department. In the college each programme is provided with separate physical infrastructural facilities. Required number of Classrooms, Tutorial rooms and laboratories are made available to the each department in the college. Classrooms, laboratories and tutorial rooms are well ventilated and equipped with the required infrastructural and tools required for teaching-learning process. The infrastructure required for academic process is supported by facilities like seminar rooms, auditorium, sports room, girls and boys common room etc.

The infrastructural facilities required for physically challenged students are provide such as ramps at the entrance, special toilets on each floor. College has safe and potable drinking water available on all the floors. Water purifiers are installed to provide clean and safe drinking water. The required set up for fire safety as per AICTE norms is installed in the campus.

4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Table 4.1: Physical Facilities Available

Sr No	Name of the Facility	Available Number	Area in Sq. mtr.
01	Classrooms	37	3217.87
02	Seminar Halls	05	753.23
03	Tutorial Rooms	09	434.53
04	Laboratories	65	5160.64

05	Computer Centre	01	150.42
06	Drawing Hall	01	201.6
07	Workshop	01	217.06
08	Additional Workshop	04	873.35
09	Library and Reading room	01	1214.14
10	Auditorium	01	400
11	Language Lab	01	113.42
12	Board Room	01	102.78
13	Cabins for HoDs	07	130.62
14	Department Office	11	294.36
15	Administrative Office	01	374.16
16	Placement office	01	86.76
17	Principal office	01	49.53
18	Garden	01	3540

b) Extra-curricular activities- sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

Table 4.2: Other Facilities

Sr No	Name of the Facility	Available Number	Area in Sq. mtr.
01	Auditorium	01	400
02	Language Lab	01	113.42
03	Canteen	01	150
04	Sports Club	01	200
05	Medical Room	01	17.64
06	Girls Common Room	01	122.23
07	Boys Common Room	01	100

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally

utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

The institute was established in 2007 with 4 branches. Since then the requirement of physical infrastructure was duly identified, planned and constructed to meet the needs. Each of the programs, run by the institute, is provided with the required academic and administrative infrastructure as per AICTE & RTM Nagpur University norms in the form of class rooms, laboratories, tutorial rooms, seminar rooms and faculty rooms.

In due course of time Civil and Mechanical branches were introduced by the college followed by M Tech programs in CSE and EC branches. The required infrastructure for these courses was made available in advance by the management.

No Deficiency Report from AICTE is obtained every year which ensures that the availability of the infrastructure is in line with the academic growth.

All the class rooms are equipped with necessary facility. Central facilities like central library, computer centre, language lab, examination control office, canteen, student recreational facilities etc are available as per norms. The campus also provides appropriate parking facility for two wheeler and four wheeler vehicle of staff and students.

Presently the college has adequate infrastructure available but in future we would like to add the facilities like modernization of class rooms and laboratories, starting of C-DEEP centre, online subscription to journals of high repute etc.

Table 4.3: Amount spent on infrastructure during last four years.

Sr No	Particulars	2012-13	2013-14	2014-15	2015-16
01	Building	7279163	1089529	1495520	1156793
02	Furniture	2564927	2119902	1135345	561891
03	Equipments	6261008	4695002	3093374	2282873
04	Computers	2938853	210249	281940	916052

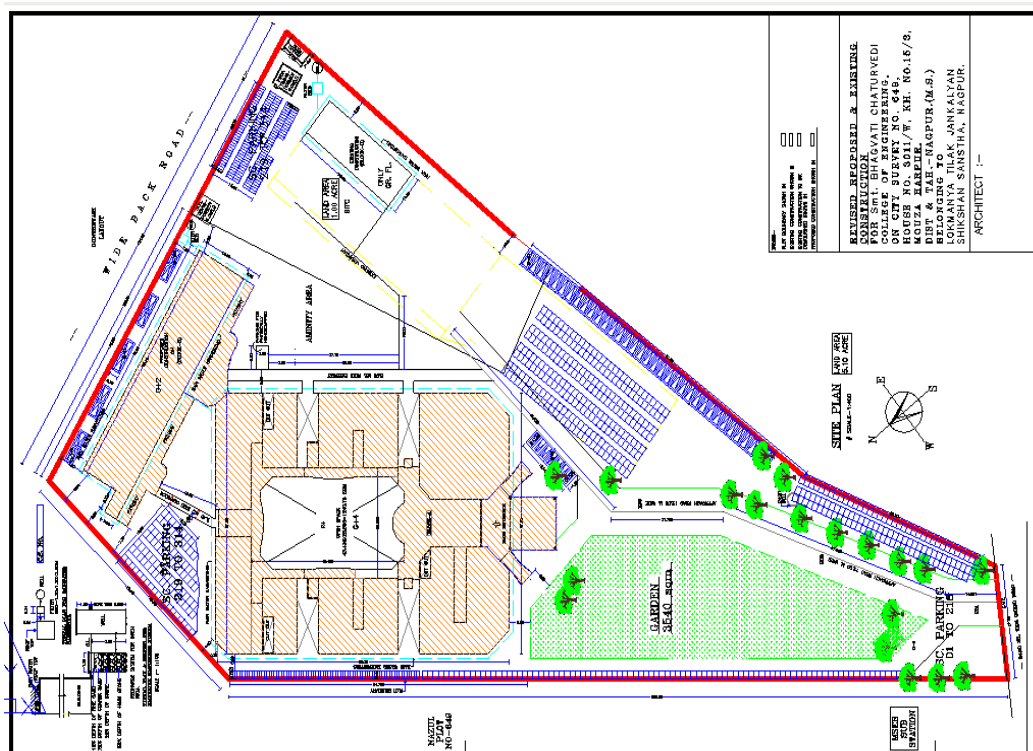


Figure 4.1: Master lay out Plan of Campus

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

Following facilities are available for students with physical disabilities:

- Ramps at the entrance of the college are provided.
- Special toilets for physically disabled students are available on each floor.
- The installation of the lift is in process.

4.1.5 Give details on the residential facility and various provisions available within them:

- **Hostel Facility – Accommodation available**

We have Sansthas Hostels where student can avail accommodation facility.

Table 4.4: Hostel for Students

Sr No	Name of Hostel	Capacity
01	LTJSS Hostel at Trimurti Nagar for Boys	25% of the admitted boys

02	LTJSS Hostel at T-Point for Girls	50% of the admitted girls
----	-----------------------------------	---------------------------

- **Recreational facilities, gymnasium, yoga centre, etc.**
Yes it is available like Carrom board, Chess etc
- **Computer facility including access to internet in hostel** No
- **Facilities for medical emergencies**
Yes, First aid box is available
- **Library facility in the hostels**
Yes
- **Internet and Wi-Fi facility**
Yes
- **Recreational facility-common room with audio visual equipments.**
Yes
- **Available residential facility for the staff and occupancy**
The residential facility is available for warden.
- **Constant supply of safe drinking water**
Yes is available.
- **Security**
Yes security guards are deputed for round the clock security.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Provision for health care is provided in the following ways.

Medical Facility: The institute has sick room and first aid facilities. During medical emergency ambulance services is made available on call. A full time registered medical practitioner visit the college twice in a week to offer medical services to the employees and students. In case of emergencies the student / staff is taken to the nearby multi specialty hospitals.

4.1.7 Give details of the Common Facilities available on the campus— spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Table 4.5: List of Common Facilities

Sr No	Name of the Facility	Available Number	Area in Sq. mtr.
1.	IQAC Room	01	49.53
2.	Auditorium	01	400

3.	Language Lab	01	113.42
4.	Placement office	01	86.76
5.	Canteen	01	150
6.	Sick Room	01	17.64
7.	Sports Room	01	200
8.	Girls Common Room	01	122.23
9.	Boys Common Room	01	100

- Sufficient numbers of water coolers are installed on each floor with water purification system. The drinking water is tested from authorised government agencies every three months. The water coolers are cleaned periodically to ensure the safe drinking water.
- Internal Complaint Committee to look after the women's grievance is functional in college since four years. As per the new UGC guidelines the committee is augmented and restructured. The ICC is functional from the cabin of the presiding officer.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, library has as advisory committee as given below.

Table 4.6: Library Advisory Committee

Sr No	Name of Member	Affiliation / Organization	Designation
1.	Dr N K Choudhari	Principal, PBCOE, Nagpur	Chairperson
2.	Mr Rajesh Daulatkar	Librarian, PBCOE, Nagpur	Coordinator
3.	Dr Mrs A R Chaudhari	Dean Academics & Coordinator I Year	Member
4.	Mr M S Chaudhari	HoD, IT	Member

5.	Mr R K Pohane	HoD, Mech	Member
6.	Mr R N Patil	HoD, Civil	Member
7.	Mr P R Bokade	HoD,EN	Member
8.	Ms D M Kate	HoD, EC	Member
9.	Mr K N Hande	HoD, CSE	Member
10.	Mr N M Bante	Assistant Professor, Electrical Engineering	Member

Significant Initiatives of the committee:

- Library advisory committee regularly conducts the meetings which discusses the improvements in the library operations.
- Committee look for the new books and journals required to be added after taking requirements from staff and students.
- Committee proposes the procurement of books and other learning material for the library.
- Library automation extension is also monitored by the committee.
- Faculty members and students are motivated and encouraged for maximum use of library.
- Committee also proposes the conduction of library awareness workshops for students.
- To promote the use of online learning material like DELNET, Springer etc.
- Committee proposes the extension of timings for the students during examination period.

4.2.2 Provide details of the following:

* Total area of the library (in Sq. Mts.)

* Total seating capacity* Working hours (on working days, on Holidays, before examination days, during examination day during Vacation)

* Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)

Table 4.7: Details of the Library

Sr. No	Total area of the library	Details
1.	Total area of the library (in Sq. Mts.)	1214.01 Sq. Mtr.
2.	Reading area	801.51 Sq. Mtr

3.	Total Seating Capacity	150
4.	Working hours (Monday to Saturday)	9 a.m. to 6 p.m.
5.	On holidays	Closed
6.	Before examination days	8 a.m. to 7 p.m.
7.	During examination days	8 a.m. to 7 p.m.
8.	During vacation	9 a.m. to 6 p.m.
9.	Layout of the library	Floor plan attached
10.	Mode of access to collection	Open access

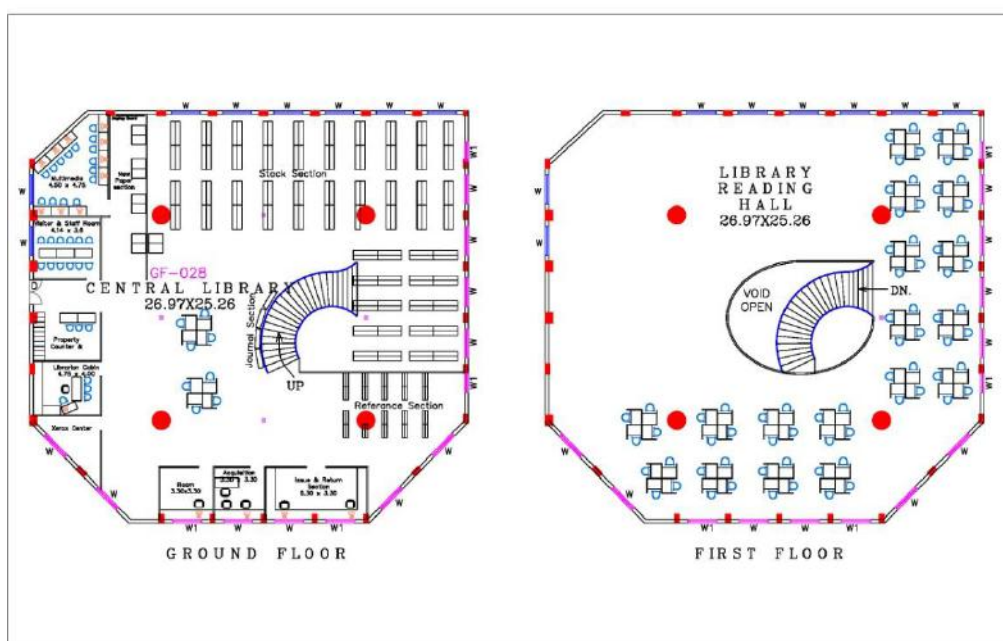


Figure 4.2: Library Layout Plan

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on Procuring new books, journals and e-resources during the last four years.

Every year before commencement of the session, all subject teachers submit the requirement for text books, reference books and journals to the Head of the Dept. The Head of the department ensures that the requirement of text books submitted by faculty comprises of current and new titles and they are as per the syllabus and scheme.

The Heads also ensure the purchase of various reference books and journals which will be helpful to students and staff from project and research point of view. The Librarian compiles the received requirement. Then the library advisory committee reviews the requirement and finalizes it with reference to budget sanctioned. This requirement is submitted to Dean (Planning and Development) LTJSS. The purchase orders are issued at Sanstha level.

Table 4.8: Library Expenditure in Last four years

Sr N o	Library Holdings	2016-17		2015-16		2014-15		2013-14	
		No.	Cost	No.	Cost	No.	Cost	No.	Cost
1	Text Books	325	70000	1453	485117	1150	477506	624	297228
2	Referenc e Books	--	--	97	52780	71	42470	23	15350
3	E- journals	DELN ET	11500	DELN ET	11500	DELN ET	11500	DEL NET	16500
4	E-books & Journals (Springer)	----	-----	9560	195000	--	--	--	--
5	Magazin es	10	9489	9	8519	8	7224	8	6915
6	News Papers	8	7763	7	9810	7	9359	7	8359
7	CD/DVD 's	35	-----	35	----	45	-----	52	-----
8	NPTEL Videos	---	----	----	----	10	10000	----	----

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- * **OPAC**
- * **Electronic Resource Management package for e-journals**
- * **Federated searching tools to search articles in multiple databases**
- * **Library Website**
- * **In-house/remote access to e-publications**
- * **Library automation**
- * **Total number of computers for public access**
- * **Total numbers of printers for public access**
- * **Internet band width/ speed 10 Mbps**
- * **Institutional Repository**
- * **Content management system for e-learning**

*** Participation in Resource sharing networks/consortia (like Inflibnet)**

Table 4.9: Library ICT Facilities

Sr No	Particulars	Details
1	OPAC	KOHA Online software is available for students and staff. It is regularly used by students and staff for books information, books details, fine record etc.
2	Electronic Resource Management package for e-journals	Subscription of DELNET and Springer is available for e-journals and e-books for all the branches.
3	Federated searching tools to search articles in multiple databases	Google Scholar, Scopus
4	Library Website	The Library Information has been integrated in the website of the college. The library does not have an independent website. www.pbce.ltjss.net
5	In-house/remote access to e-publications	Available through DELNET and Springer subscription
6	Library automation	Library is automated through use of KOHA Online Library software. It is being used for daily issue, return, accession numbers, Barcoding etc.
7	Total number of computers for public access	10
8	Total numbers of printers for public access	01
9	Internet band width/ speed	35 Mbps
10	Institutional Repository	Article Repository Books Repository Thesis/Project Repository
11	Content management system for e-learning	Centralized Library server is available, accessible through Intranet containing NPTEL DVD,

		E-Books, Question papers etc.
12	Participation in Resource sharing networks/consortia	The Institute has resource sharing network like DELNET

4.2.5 Provide details on the following items:

- * Average number of walk-ins
- * Average number of books issued/returned
- * Ratio of library books to students enrolled
- * Average number of books added during last three years
- * Average number of login to OPAC
- * Average number of login to e-resources
- * Average number of e-resources downloaded/printed
- * Number of information literacy trainings organized
- * Details of “weeding out” of books and other materials

Table 4.10: Library Usage Information

Sr No	Particulars	Details
1	Average number of walk-ins	110-120
2	Average number of books issued/returned	70-80
3	Ratio of library books to students enrolled	12:1
4	Average number of books added during last three years	1140
5	Average number of login to OPAC	20-25 per day
6	Average number of login to e-resources	15-20 per day
7	Average number of e-resources downloaded/printed	10 per day
8	Number of information literacy trainings organized	02
9	Details of “weeding out” of books and other materials	The college is established in 2007 hence there is no weeding out of books and other material as on date.

4.2.6 Give details of the specialized services provided by the library

- * Manuscripts
- * Reference

- * **Reprography**
- * **ILL (Inter Library Loan Service)**
- * **Information deployment and notification (Information Deployment and Notification)**
- * **Download**
- * **Printing**
- * **Reading list/ Bibliography compilation**
- * **In-house/remote access to e-resources**
- * **User Orientation and awareness**
- * **Assistance in searching Databases**
- * **INFLIBNET/IUC facilities**

Manuscripts	NA
Reference	Yes, separate reference section is available. In the reference section of the library, each title available in the library, project reports, and old university examination papers are available.
Reprography	Reprographic facility is provided to students as well as faculty also. The facility is equipped with Scanners, and photocopying tools.
ILL (Inter Library Loan Service)	NA
Information deployment and notification (Information Deployment and Notification)	The information regarding author, title and subject can be deployed through Open Access Catalogue (OPAC), Library Notice Board and Library Awareness Programs.
Download	Yes, Facility is provided to download information from subscribed e-resources DELNET and Springer.
Printing	Yes, Printing facility is Available.
Reading list/ Bibliography compilation	Available. Library has maintained digital catalogue (OPAC) which provides all the details about the books.
In-house/remote access to e-resources	Available. Multimedia Section having 10 computers with internet connectivity is available for access to e-publication in Central Library.
User Orientation and awareness	User Orientation and Awareness programs conducted for the newly joined students at the beginning of the semester by delivering a seminar. The users are also provided with

	necessary instructions for the access and usage of digital library.
Assistance in searching Databases	Yes, Library Staff helps students and Staff to search online information.
INFLIBNET/IUC facilities	NA

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Library staff is helping the students and faculty to access the library facilities as follows:

- Helping students and staff to locate particular text book and reference books.
- Provides help for use of online library facility like Springer, DELNET, KOHA etc
- Providing the university question papers semester wise for photocopying
- By conducting the library awareness workshop for students and staff to make them aware about use of library softwares and various procedures to be followed in library.
- Displaying various advertisements, news related to educational activities, banners of conferences, seminars, workshops on the library notice boards.
- Making available the repositories in the library such as research publications of the faculty, project reports etc.
- Library has maintained the manual for library at a glance, which also gives the idea about the library.
- Proper display of journals, news papers, magazines etc.
- Downloading of e-books through local server.

4.2.8 What are the special facilities offered by the library to the Visually / physically challenged persons? Give details.

- The visually and physically challenged persons are given the highest priority for all library services.
- The facility of reading room is available on ground floor for physically challenged persons.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

- The suggestion box is available in the library where students and staff can suggest the improvements.
- The Library Advisory conducts meetings on regular basis and implement the suggestions given by the students and staff.
- Feedback is taken from staff and students through regular interaction.
- Suggestions and guidelines are requested from the senior academicians and visitors to the campus.

4.3 IT Infrastructure

4.3.1 Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)**
- **Computer-student ratio**
- **Stand alone facility**
- **LAN facility**
- **Wi-Fi facility**
- **Licensed software**
- **Number of nodes/ computers with Internet facility**
- **Any other**

Table 4.11: Details of Computing Facility

Number of computers with Configuration (provide actual number with exact configuration of each available system)	585
Computer-student Ratio	1:4 (and 1:1 during practical hours)
Stand alone Facility	Yes. Stand Alone facility is available
LAN Facility	Yes. Computers are interconnected with Local Area Network (LAN).
Wi-Fi Facility	Yes. Wireless Fidelity is deployed with 03 access points.
Licensed Software	05
Number of nodes / computers with Internet facility	585. The computers in all the departments, laboratories and library are connected with LAN & BSNL 35 MBPS Lease Line and Wi-Fi
Any other	
Printers	50

Scanner	09
LCD Projectors	09
Backbone	Fiber, CAT-6

Table 4.12: Details of Computer with configuration:

Sr. No.	Configuration (Server & Computers)	Number of Computer
1	Server - DELL PowerEdge T-430 Server, Intel C610 Chipset Motherboard, Intel Xeon E5-2620 v3 2.4GHz, 15M Cache, 8.00GT/s, Turbo, HT, 6C(85w) Max Mem 1866 MHz, 16GB RDIMM, 2133MT/s, Dual Rank, X4 Data Width, 1.2 TB RPM Self encrypting SAS 12 Gbps 2.5 in Hot-Plug Hard Drives, DVD/RW, SATA, Internal	06
2	Intel Processor ASUS P5B H/D Transcend 512 MB Hitech 160 GB Sata UMAX 400 SMPS+ LAB Samsung 17''FET, Keyboard Logitech Mouse	75
3	Intel 2141 Processor ASUS P5B MX Transcend 512 MB Hitech 160 GB Sata UMAX 400 SMPS+ LAB Samsung 17''FET Keyboard Logitech Mouse	05
4	CPU Intel 2.0 GHz M/B Intel DG3/GL Ram Transcend 1 GB HDD Sata UMAX 160 GB CAB UMAX, SMPS UMAX 450 W, Mon CRT 17'', Keyboard + Mouse Logitech DDU	70
5	CPU Intel 2.4 GHz, M/B Intel DG31, Ram DDR 1 GB , HDD Sata 160 GB , CAB UMAX K-486, SMPS UMAX 450 W, Mon CRT 17'' TF5, Keyboard + Mouse	50
6	CPU Intel DC 2.8 GHz, M/B Intel DG41RQ, RAM Kingstone DDR II 2 GB , HDD HITACHI SATA 320 GB , CAB UMAX K-486, SMPS UMAX 450 W, Mon BENQ 17'' SQTFT, Keyboard + Mouse Logitech	150
7	CPU Intel DC 2.8 GHz, M/B Intel DG41RQ, RAM Kingstone DDR II 2 GB , HDD HITACHI SATA 320 GB , CAB UMAX K-486, SMPS UMAX 450 W, Mon BENQ 17'' SQTFT, Keyboard + Mouse Logitech	120

8	CPU Intel DC 2.8 GHz, M/B Intel DG41RQ, RAM Kingstone DDR II 2 GB , HDD HITACHI SATA 320 GB , CAB UMAX K-486, SMPS UMAX 450 W, Mon BENQ 17'' SQTFT, Keyboard + Mouse Logitech	115
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4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- The campus is WiFi enabled. The computer and Internet facility to the faculty is provided at department level and also in laboratories, computer centre, language lab, Library etc.
- Students are provided with the Internet facility in the laboratories, computer centre, language lab, Library etc.
- 35 Mbps dedicated 1:2 BSNL leased line
- Entire campus is Wi-Fi enabled
- Central computing facility with 120 nodes is available for faculty as well as students.
- The College has a digital library, Multimedia section.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- Presently the college has adequate infrastructure available but in future we would like to add the facilities like modernization of class rooms, starting of C-DEEP centre, online subscription to journals of high repute.
- We are in the process of installing CCTV cameras in the campus for security purpose.
- More number of scanners, LCD projectors, high end servers to be added.
- We have inhouse designed and developed ERP (Enterprise Resource Planning) software which includes modules like Academics, Stock maintenance, Leave record, Approval module at HoD and Principal Level, Scholarship Module, Admission Module. We are planning to improvise the structure of the ERP software to make it more efficient.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years).

Table 4.13: Provision in the annual budget for procurement, up gradation and maintenance of computer and their accessories

Sr No	Financial Year	Budgeted Amount	Actual Utilization
01	2015-16	900000	916052
02	2014-15	300000	281940
03	2013-14	200000	210249
04	2012-13	3000000	2938853

4.3.5 How does the institution facilitate extensive use of ICT (Information & Communication technology) resources including development and use of computer-aided teaching/ learning materials by its staff and students?

Following measure are taken to facilitate the use of ICT:

- Faculty uses the LCD projectors for delivery of the curriculum.
- Faculty also uses Internet and online learning resources for effective delivery of knowledge.
- Faculty prepares and maintains the PowerPoint presentation (PPTs) of their respective subjects.
- Students and Faculty uses NPTEL videos, DELNET learning material and Springer online material for knowledge enrichment.
- Faculty seminars are arranged on the subject topics and some advanced topics.
- One of the faculty, Mr A B Ganorkar has prepared online Mock Test software for JEE Mains Examination, Quiz competition.
- Student of CSE, Prasanna Lekurwale have prepared and developed the inhouse software for GATE Mock test which has been used to conduct the mock test for all the departments.
- Hands on sessions of various training programs for faculties and students have been conducted using the ICT facilities.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

As college is well equipped with the ICT infrastructure following guidelines are provided.

- Faculties guide the project groups of final year students and ensures that student make use of online resources available in the college.
- Presentations of the project seminars are prepared by the students under the guidance of faculties.
- Faculties have collection of many e-books and teaching material of their respective subjects which facilitates beyond text book learning.
- As college campus is WiFi enabled it is also helping students and faculties to explore the online learning material.
- College is a member of NDL (National Digital Library).

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes, college promotes the use of tools of National Knowledge Network connectivity by:

- NPTEL video lectures are regularly used by the students and faculties.
- College has a member of NDL (National Digital Library) on which large collection of teaching material is available and used by the faculties.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities? (Substantiate your statements by providing details of budget allocated during last four years)

Table 4.14: Budget Allocation

Sr No	Particulars	Budgeted Amount in Rs			
		2015-16	2014-15	2013-14	2012-13
1	Building (Infrastructural Expenses)	1156793	1495520	1089529	7279163
2	Furniture	561891	1135345	2119902	2564927
3	Equipment	2282873	3093374	4695002	6261008
4	Computers	916052	281940	210249	2938853

5	Vehicles	Vehicles are maintained centrally at Sanstha level.			
6	Sports Facilities	170312	65050	147290	340992
7	Maintenance & Upkeep	1245753	1025597	860379	853092

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- We have a separate staff for maintenance and upkeep of infrastructure facility. There is a cleaning supervisor, garden supervisor and sanitary officer supported by sufficient number of maintenance staff which ensures the daily upkeep of the campus.
- Annual maintenance of water purifiers installed is done on regular basis by outside agency.
- Water testing is done from authorized government testing laboratories every three months.
- Inhouse technician is available in the college for regular maintenance of IT infrastructure. In addition to this we have team under System Analyst at Sanstha level.
- Repair and maintenance of the laboratory equipments is done as per the requirement by the respective suppliers and other agencies.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

- Before the commencement of every semester the lab in charges checks the equipments and machinery for the precision and accuracy of results by performing experiments.
- Lab in charges regularly check for the functioning of the equipments and if required calibration is being performed by the appropriate agency.
- Calibration of Civil and Mechanical department lab equipments is done on regular basis by the agency approved by the NABL (National Accreditation Board for Testing and Calibration Laboratories.)

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- The college has stabilizers in the laboratories wherever applicable.

- UPS are provided for uninterrupted power supply.
- DG set is installed in the college campus which ensures continuous power supply in case of power failures.
- The DG set is installed from 2008 and it is regularly maintained so as to provide proper service as and when required.
- Capacity of the DG set is 125 KVA with KIRLOSKAR engine coupled with KIRLOSKAR GREEN alternator with standard control panel.
- Our college was examination centre for different Online examinations conducted by government organization such as MPSC, Banking, UPSC, GATE, Railways, JEE etc. The DG set is used in all these examinations regularly.

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If ‘yes’, what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes.

The institution publishes the prospectus annually and it is provided to the students at the time of admission. Also the same information is disseminated on the college website www.bcce.ltjss.net / www.pbce.ltjss.net

The following information is provided to the students through the prospectus

- LTJSS Institutions
- Vision and Mission of the College
- Various Courses Offered
- Functional Committees
- Admission Procedures and Eligibility Criteria
- Faculty Details
- Rules and Regulations
- Students Welfare Schemes
- Priyadarshini’s Centre of Excellence
- Training and Placement Cell
- Extra Curricular Activities, Events and Workshop
- Media Speaks

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Table 5.1: Fee Concession given to I Yr B.E. Students(2016-17)

Sr No	Name Of Student	Category	Branch	Remarks
1	Bawiskar Apurva Purushottam	Open	Civil Engineering	Sibling Concession
2	Gaydhane Vidhi Gomaji	Obc	Civil Engineering	Bhagwati Girls High School Concession
3	Waghmare Akash Vinayak	Obc	Computer Sc. & Engineering	Sibling Concession

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4	Deshmukh Sagar Rajendra	Obc	Computer Sc. & Engineering	Sibling Concession
5	Shendre Mayuri Hemraj	Obc	Computer Sc. & Engineering	Sibling Concession
6	Ambhore Amruta Gopichand	Obc	Computer Sc. & Engineering	Sibling Concession
7	Sonkusre Ujwala Suresh	Open	Computer Sc. & Engineering	Sibling Concession
8	Waghmare Apoorva Vinayak	Obc	Information Technology	Sibling Concession
9	Kothare Nisha Dilip	Obc	Information Technology	Economically Weak Student Concession
10	Kumbhalkar Mansi Sanjay	Obc	Information Technology	Sibling Concession
11	Thombare Kunal Raju	Obc	Information Technology	Sibling Concession
12	Sonwane Pranay Anil	Obc	Electronics & Communication Engg.	Jyotiba School Concession
13	Baraskar Jayesh Dilip	Obc	Electronics & Communication Engg.	Sibling Concession
14	Ishwarkar Ankush Dilip	Obc	Electronics & Communication Engg.	Sibling Concession
15	Vaidya Mrunali Manohar	Obc	Electronics & Communication Engg.	Sibling Concession
16	Rote Saloni Ruprao	Obc	Electronics & Communication Engg.	Bhagwati Girls High School Concession
17	Bhurle Vrushabh Ajay	Obc	Mechanical Engineering	Economically Weak Student Concession
18	Hargode Pritam Bhaktaraj	Obc	Mechanical Engineering	Jyotiba School Concession
19	Nandurkar Hemant Shrawan	Obc	Mechanical Engineering	Fee Concession Of Rs 4100/-
20	Dalal Kiran Rajesh	Obc	Mechanical Engineering	Economically Weak Student Concession
21	Giri Ankit Jitendra	Open	Mechanical Engineering	Concession Of Hindi Linguistic Minority (Hlm) As Per Sansthas Order

Table 5.2: Fee Concession given to I Yr B.E. Students (2015-16)

Sr. No.	Candidate Name	Category	Course Name	Remarks
1	Admane Ayushi Prabhakar	OBC	Civil Engineering	As per managements circular and paper advt
2	Amol Urkude	Open	Civil Engineering	As per managements circular and paper advt
3	Jaiswal Ashwini Kishor	OBC	Civil Engineering	Aggregate > 70 %
4	Nanhe Vivek Ramaji	Open	Civil Engineering	As per managements circular and paper advt
5	Nasre Nitin Jayant	OBC	Civil Engineering	As per managements circular and paper advt
6	Pritish Dhananjay Thakare	OBC	Civil Engineering	Economically Weak Student Concession
7	Pustode Kajal Kailash	Open	Civil Engineering	Aggregate > 70 %
8	Raut Krunal Prabhakarao	OBC	Civil Engineering	Sibling Concession
9	Vaibhav Ashok Sarode	OBC	Civil Engineering	Jyotiba School Student Concession
10	Anushka Ashwani Dakre	OBC	Computer Science and Engineering	As per managements circular and paper advt
11	Bante Himanshi Vijay	OBC	Computer Science and Engineering	LTJSS Employee Concession
12	Bokde Himanshu Diwakar	SBC	Computer Science and Engineering	Economically Weak Student Concession
13	Burade Mayuri Sunil	Open	Computer Science and Engineering	Aggregate > 70 %
14	Deshmukh Suraj Anilrao	Open	Computer Science and Engineering	PCM>70 %
15	Karne Vaishnavi Sanjay	OPEN	Computer Science and Engineering	LTJSS Employee Concession
16	Kathane Mrunal Vilas	OBC	Computer Science and Engineering	Aggregate > 70 %
17	Khan Jenis Raju	Open	Computer Science and Engineering	PCM>70
18	Korde Mrunali Ramchandrajji	Open	Computer Science and Engineering	As per managements circular and paper advt
19	Pranali Gurav	Open	Computer Science and Engineering	PCM>70 & Sibling concession
20	Shastrakar Rashmi Gajananrao	OBC	Computer Science and Engineering	PCM > 70 %
21	Suhasini Manapure	OBC	Computer Science and Engineering	Sibling Concession
22	Wadibhasme Jayesh Jageshwar	OBC	Computer Science and Engineering	Sibling Concession
23	Bobde Kajal Krushna	OBC	Information Technology	IT Branch Concession
24	Pardhi Ashish Yogeshwar	Open	Information Technology	As per managements circular and paper advt
25	Yenurkar Payal Mahendra	OBC	Information Technology	As per managements circular and paper advt

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26	Thakare Aishwarya Prakash	OBC	Electronics and Communication Engineering	PME>70 %
27	Wankhede Pragati Kisan	OBC	Electronics and Communication Engineering	As per managements circular and paper advt
28	Dande Rachana Dinesh	Open	Electronics Engineering	PCM>70%
29	Jadhav Rakhi Sanjayrao	OBC	Electronics Engineering	As per managements circular and paper advt
30	Bankar Swapnil Manohar	SC	Mechanical Engineering	Jyotiba School Student Concesssion
31	Gurnule Sagar Namdeo	OBC	Mechanical Engineering	As per managements circular and paper advt
32	Ingle Praful Vinayak	OBC	Mechanical Engineering	Jyotiba School Student Concesssion
33	Kayate Vipul Purushottam	OBC	Mechanical Engineering	PCM > 70 %
34	Marode Ujwal Damodhar	OBC	Mechanical Engineering	Jyotiba School Student Concesssion
35	Nerkar Pranay Raju	OBC	Mechanical Engineering	As per managements circular and paper advt
36	Pal Ashendra Ayodhyaprasad	Open	Mechanical Engineering	PCM> 70 %
37	Ragit Shubham Ganesh	OBC	Mechanical Engineering	As per managements circular and paper advt
38	Sonwane Snehal Sunilrao	OBC	Mechanical Engineering	Sibling Concesssion
39	Tumsare Sanket Dinesh	NT 1 (NT- B)	Mechanical Engineering	Jyotiba School Student Concesssion
40	Yeole Avinash Dnyaneshwar	OBC	Mechanical Engineering	As per managements circular and paper advt

Table 5.3: Felicitation of Toppers (Last four Years)

Sr No	Session	Name of Department	No of Student
1	2016-17	I Year B.E.	04
		Electronics & Communication Engg	03
		Computer Sc. & Engg	09
		Information Technology	09
		Civil Engg	03
		Mechanical Engg	09
		Electronics Engg	03
2	2015-16	I Year B.E.	02

		Electronics & Communication Engg	03
		Computer Sc. & Engg	18
		Information Technology	18
		Civil Engg	06
		Mechanical Engg	18
		Electronics Engg	17
3	2014-15	I Year B.E.	02
		Electronics & Communication Engg	03
		Computer Sc. & Engg	18
		Information Technology	18
		Civil Engg	06
		Mechanical Engg	18
		Electronics Engg	09
4	2013-14	I Year B.E.	02
		Electronics & Communication Engg	03
		Computer Sc. & Engg	18
		Information Technology	20
		Civil Engg	04
		Mechanical Engg	18
		Electronics Engg	03

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

On the basis of eligibility criteria laid down by the regulatory bodies, students receive financial assistance from state government and central government.

Students belonging to SC/ST/OBC/NT/SBC categories avail scholarships/freeships from state government.

On the basis of parental annual income, scholarships/freeships are given by State Government of Maharashtra.

Minority scholarships for students are offered by Central Government.

Table 5.4: Details of scholarships received by students at UG and PG Level

Sr No	Academic Session	Level of Program	Percentage of students receiving financial assistance from			
			State Govt. Scholarship			Central Govt. / AICTE-
			SC/ST/OBC /NT/SBC	EBC Schol	Minority	

				arshi p	Schola rship	HRD
1	2016-17	UG B.E.	73%	5%	1%	-----
2	2015-16		70%	4%	1%	-----
3	2014-15		65%	3%	0.94%	-----
4	2013-14		64%	3%	0.75%	-----
5	2012-13		50%	2%	1%	-----
6	2016-17	PG B.E.	-----	---	-----	18%
7	2015-16		-----	-----	-----	-----
8	2014-15		-----	-----	-----	5.5%
9	2013-14		-----	-----	-----	11.11%
10	2012-13		-----	-----	-----	-----

5.1.4 What are the specific support services / facilities available for

1. Students from SC/ST, OBC and economically weaker sections

- As per the Government and University norms, seats are reserved for SC/ST/OBC and economically weaker sections.
- As per the Government norms, scholarships are provided to SC/ST/OBC and economically weaker sections.
- Under Social Welfare Scheme, Book Bank facility is available in central library of the institute.
- Skill Training to Meritorious SC category students at RTTC, Nagpur (on the lines of AICTE-BSNL EETP Program) under BARTI-BSNL MoU.

2. Students with physical disabilities

- As per the Government and University norms, seats are reserved for physically challenged students.
- Ramps are provided at the entrance of the building for their convenience. Separate toilets are available for students with physical disability.
- As per the University norms, extra time and writers are provided during university examination.
- Whenever needed, manual help is extended to them.

3. Overseas students

At present there are no overseas students in the institute, support services and facilities are not generated.

4. Students to participate in various competitions / National and International

- Students are encouraged to participate in various extracurricular and co-curricular activities such as technical, cultural and sport events etc., which are organized by reputed institutes.
- Faculty members are assigned to guide and assist them.
- Library, Wi-Fi facility and all necessary facilities are provided by the institute.

5. Medical assistance to students: health centre, health insurance, etc.

- General physician is appointed for regular medical checkup of students.
- Psychological Counsellor is available on campus for students.
- First-Aid boxes are available in all departments and expired medicines are replaced periodically.

6. Organizing Coaching for competitive examination & Skill development (spoken English, computer literacy, etc.)

- Campus Recruitment Training (CRT) is conducted for the students.
- Full time soft skill trainer is appointed at the institute.
- The institute conducts soft skill and technical sessions by the expertise.
- Well equipped language lab with modern interactive and learning facility available for the students.
- Central computer lab with high speed internet speed 35 mbps is available to learn and enhance the computer literacy.
- The institute conducts technical workshops and trainings for the students to enhance their technical skills.
- English speaking is taught under the communication skill subject.

7. Support for “slow learners”

- Remedial classes are arranged and monitor their performance.
- Parents are intimated about their performance.
- Question Bank and Model solutions of university theory papers are provided for their reference in respective departments
- HOD, Subject Teacher and Class Teacher counseling is provided for their performance improvement.
- The institute has Student-Mentoring system. Each SM is allocated with a batch of 15 students for counseling.

8. Exposures of students to other institution of higher learning / corporate / business house, etc.

- Institute organizes industrial visits and field visits for students to get exposure to corporate and business sector.
- Students are encouraged to participate in various technical activities, workshops, conferences etc., which are organized by reputed institutes like IITs, NITs to improve their knowledge.
- The institute organizes guest lectures regularly by inviting eminent personalities from corporate, industries and research institutes to make aware the students with latest technology.
- Institute has signed MOU with QuickHeal, Pune, ITNetworkz Infosystems Pvt Ltd, Nagpur, RS e-Business Solutions Nagpur, AR Industries, Nagpur, TAL Manufacturing Systems, Indian Navy, Siddhayu: A Baidyanath Group of Companies, Axiom Softtech Pvt Ltd., Nagpur, Pariksha.Co, Pune and ATS Infotech Pvt Ltd.

9. Publication of student magazines

The institute publishes yearly college magazine “Smruti” and every department publishes departmental wall magazine such as-

- Department of BE First Year: Insight
- Computer science and Engineering/Information Technology: Prolific Panel
- Electronics and Communication Engineering: Electrosight
- Electronics Engineering: Srujana
- Civil Engineering: Face
- Mechanical Engineering: Pratibimb

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial Skills, among the students and the impact of the efforts.

The institute has established Entrepreneurship Development Cell (EDC) to facilitate entrepreneurial skill among the students. ED Cell was established with an objective of developing and mentoring the spirit of entrepreneurship among the students. Various activities are conducted throughout the year to create awareness of current and future trends of industries. The activities organized by EDC to develop entrepreneurial skills in students are given below.

- Guest lectures on “Entrepreneurship development & Rural employment” by Mr.R.R.Gajbhiye, Director, KVIC, Nagpur
- Session on “The Schemes of MSME” by Mr. Vivek Nikhade, Assistant Director MSME-DI, Nagpur.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and cocurricular

activities such as sports, games, quiz competitions, debate and discussions, cultural activities, etc.

The institute encourages and motivates the students to participate in various extracurricular activities. Also the institute organizes annual social gathering “Amrutam” comprise of cultural fest. In addition, each department has student’s forum activities of technical competitions like paper presentation, poster competition, web designing, trouble shooting and coding etc. The students are also encouraged to participate in coding contest conducted by TCS (Codvita, EngiNex and Tesimony), Persistent, Nagpur.

The students are also encouraged to participate in various events such as sports, quiz competition, debate, elocution and cultural competitions at National, State, University, intercollegiate and college level.

This participation gives the opportunity to students to show and explore their hidden talents. Institute appreciates the remarkable performance in extracurricular and co curricular activities.

The institute has constituted the Sports and Cultural Committees to supervise all these activities. Institute provides the students the facilities such as attendance privilege during the events, personal coaching for the missed topics and also the cash prizes and awards for winners. Incentive marks are awarded to students for active participation in sports, NSS, cultural activities and adult education.

*** Additional academic support, flexibility in examinations**

For overall personality development of student, sports activities are very important along with academics, so institute encourage and motivate students to participate in various sports at National, State, University, Intercollegiate and College level. The institute has appointed Sports Incharge who looks after all these activities of the institute.

A special attention is given to the participants related to their academics, their attendance and flexibility is given in the college level examinations by re-conducting their examinations.

*** Special dietary requirements, sports uniform and materials any other**

During sports events, daily allowances are given to the participating students. They are also provided with special uniform, sports kits and materials required to participate in sports activities.



Annual Social Gathering - Amrutam

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIRNET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

Institute motivates and encourages students to prepare for various competitive examinations, higher studies and research. They are allowed to have access in library and provided with suitable study materials and books. Also the internet facility is provided to collect and refer the study material. For supporting the students in preparing for these examinations mock aptitude test, technical test and online mock GATE examinations are conducted at the institute.

Table 5.5: Details of students appeared and qualified in competitive exams

Sr No	Name of Exam	Academic Session	Number of Students appeared	No of students qualified
01	GATE	2016-17	137	Result awaited
		2015-16	134	3
		2014-15	154	2
		2013-14	85	5
02	GRE	2016-17	1	1
		2015-16	0	0
		2014-15	0	0
		2013-14	1	1
03	CAT/CET	2016-17	2	0
		2015-16	0	0
		2014-15	1	1
		2013-14	1	0
04	State Services/Civil Services	2016-17	6	0
		2015-16	1	0
		2014-15	11	0
		2013-14	3	0
05	CMAT	2016-17	0	0
		2015-16	0	0
		2014-15	0	0
		2013-14	2	0

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social, etc.)

The institute is providing counseling services for the improvement in overall development of the students

Academic- A regular interaction related to academics with the students is carried out by Head of the institute, Head of the department, class teacher and subject teacher.

To enhance the subject knowledge, an extra classes based on advanced topics is made compulsory for each subject besides the regular teaching hours prescribed by the University for all students.

For the benefit of the slow learners, remedial classes are arranged in extra hours.

Personal- Each department has Student Mentoring system. Each teacher is allocated with a batch of 15 students for personal counseling. The students are encouraged to share their personal problems. Mentor maintains the secrecy of the personal problems and helps the students to handle and come out with a proper solution. It creates a healthy environment to make the students comfortable in the department.

Career- For the counseling of students related to their career, institute has provided the facilities by arranging guest lectures, TCS webinars, industrial visits, and also by conducting the campus recruitment training. Thus it facilitates to improve the students progression ratio to a higher level of education, employability and self-employability.

In addition, career counseling is provided by Training and Placement cell, Human Excellence Department, alumni and industry experts.

Psycho-social- The institute has appointed a Psychological counselor for students counseling weekly, it helps to tackle and overcome the psycho-social problems.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students to identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes

The institute has a structured mechanism for career guidance and placement of students. Mr. P. M. Palkar is appointed for career guidance and placement activities.

Details of services provided to help the students to prepare and identify job opportunities:

- Various activities and sessions are organized to provide career guidance and make the students employable.

- Every year number of trainings related to aptitude, logical reasoning, GD, PI are conducted to make them enable for placement.
- Also various sessions are organized by technical experts of various renowned companies to make the students aware about the latest industrial trends and requirements.
- Regular Campus Recruitment Trainings to sixth semester students.
- Pre-Assess career test by Aspiring minds and CoCubes.
- Sessions regarding FAQ and guidelines to answer them at the time of interview.
- A number of campus drives are held to provide job opportunities to students.

Figure 5.1: Structure of Training and Placement Cell

Training & Placement Cell Activities Flowchart

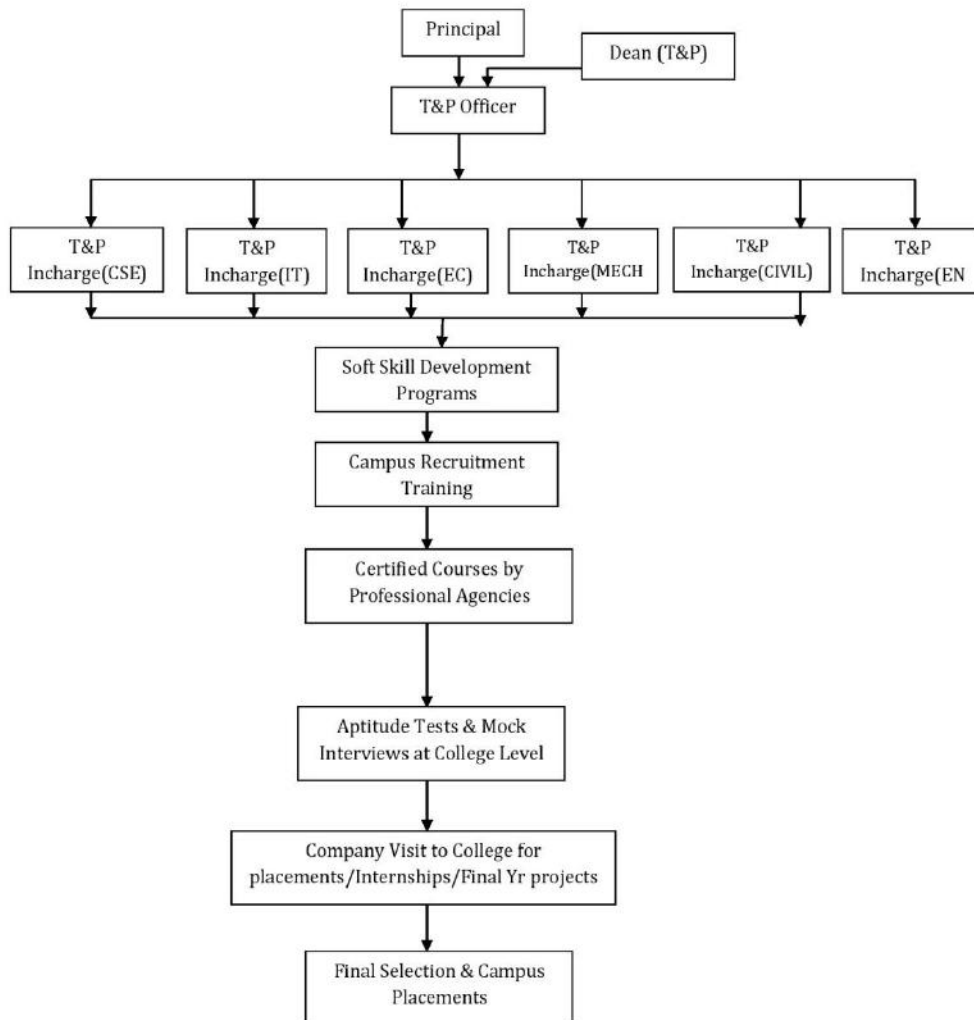


Table 5.6: Year wise placement details (last four years):

Sr No	Academic session	No of students selected	% selection
1	2016-17	27	28
2	2015-16	77	74
3	2014-15	39	50
4	2013-14	23	24
5	2012-13	95	87

Table 5.7: Details of companies visited for campus recruitment (last four years)

Sr No	Academic Session	Name of The Employer	No of Students Selected
1.	2015-16	TCS	05
2.		Persistent System	01
3.		Zensar	01
4.		Collabera Technologies	03
5.		Fujitsu Consulting (India)	02
6.		Mphasis Pune	03
7.		Tcs(Off Campus)	05
8.		Infocepts	01
9.		Citybridge Software Pvt. Ltd.	02
10.		Amazon	06
11.		Axiom Softech Pvt Ltd	06
12.		Global Logic	01
13.		Relecotech Software Solutions Pvt. Ltd.	02
14.		Astral Infomatics (P) Limited	17
15.		Cognizant Technology Solutions India Pvt Ltd.	01
16.		Face, Pune	02
17.		Exa Multi Link Pvt Ltd	12
18.		Opulent Infotech (Project Trainee)	05

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19.		Persistent Systems (Project Trainee)	02
1.	2014-15	L & T Infotech, Mumbai	13
2.		Tcs Pune	05
3.		Zensar Pune	01
4.		Softech Solution, Nagpur	09
5.		Inautix Pune	01
6.		Praxis Logica	03
7.		Cryptex Technologies	02
8.		Manthan Stdio	01
9.		Kpit	01
10.		Inspire (Apple Reseller), Indore	01
11.		Nsp Futuretech Pvt Ltd., Nagpur	01
12.		E-Sense It Solution Nagpur	01
1.	2013-14	Persistent Nagpur	02
2.		Zensar Pune	02
3.		Cmc Pune	07
4.		Infosys	04
5.		Benpour Technology	02
6.		Manthan Stdio	01
7.		Kec International Ltd	01
8.		Zeon Solution Nagpur	01
9.		Tech Mahindra	01
10.		L&T Mumbai	01
1.	2012-13	Cmc Pune.	12
2.		Cms	14
3.		Genius Consultants Ltd.	05
4.		Intarvo	18
5.		Syslogic Mobitech Pvt. Ltd.	01
6.		Ramkrishna It Systems, Pune	01
7.		Eclinical Works	02
8.		Orange Technologies	10
9.		Aaa Corporation	11
10.		Wellpoint Technologies, Patna	19
11.		Bosch,Jaipur	03

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years?

Yes

The institute has students grievance Redressal cell comprise of Head of the institute, Head of Departments, senior faculty members.

Table 5.8: Grievance Redressal Cell (GRC)

Sr No	Name of Member	Affiliation	Designation
1	Dr. N. K. Choudhari	Principal, PBCOE, Nagpur	Chairperson
2	Dr. (Mrs.) A. R. Chaudhari	Dean, Academics	Coordinator
3	Mr. M. S. Chaudhari	HoD, IT	Member
4	Mr. R. K. Pohane	HoD, Mech	Member
5	Mr. R. N. Patil	HoD, Civil	Member
6	Mr. P. R. Bokade	HoD, EN	Member
7	Ms. D. M. Kate	HoD, EC	Member
8	Mr. K. N. Hande	HoD, CSE	Member
9	Mr. N. M. Bante	Assistant Professor, Electrical Engineering	Member
10	Dr. (Mrs.) A. R. Golhar	Assistant Professor, Physics	Member
11	Dr. (Ms.) R. A. Nandanwar	Assistant Professor, Chemistry	Member

The students grievance redressal cell take care of students grievances related to inadequate facilities, class room teaching, e-resources, canteen, recess timings, sanitation etc. and resolve through appropriate counseling.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The institute has established the Internal Complaint Cell to resolve the issues pertaining to sexual harassment as per the “Vishakha Guidelines”. Mrs. V. S. Kelkar, NGO, has been included as an external member of the cell. Regular

meetings are conducted to create awareness among faculty members and students.

Table 5.9: Internal Complaint Committee

Sr No	Name of Member	Category	Designation	Contact Number
1.	Dr. (Mrs.) A. R. Chaudhari, Associate Professor	Teaching	Presiding Officer	9823285684
2.	Dr. (Mrs.) A. R. Golhar, Assistant Professor	Teaching	Member	9923206406
3.	Dr. (Ms.) R. A. Nandanwar, Assistant Professor	Teaching	Member	9049990446
4.	Mr. Rakesh Dhoble, Clerk	Non-teaching	Member	9975898895
5.	Mr. Girish Nirmalkar, Peon	Non-teaching	Member	9422120536
6.	Mr. Himanshu Bhoyar	Student (UG)	Member	8605456463
7.	Ms. Rupal Rewatkar	Student (PG)	Member	9657184565
8.	Mrs. V. S. Kelkar	NGO	External Member	9561607794

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes

Ant ragging committee is established for the implementation of the rules and regulations of Ant ragging Act. This committee comprises of Head of the institute, teaching faculty, administrator and students representatives. External members are also included to monitor ethically the measures implemented for prevention of ragging, complaints of ragging etc. and to suggest the appropriate actions against the concern.

In every department, suggestion box is available for students to put their complaints.

No instance of ragging has been reported during last four years.

Table 5.10: Anti Ragging Committee for Institute:

Sr No	Name of Member	Designation	Profession / Associated with
1.	Dr. N. K. Choudhari	Chairperson	Principal, PBCOE, Nagpur
2.	Shri. Abdul Nazir Shaikh	Member	Under Secretary, law and Judiciary Department: Representation of Civil Administration
3.	Shri. Rajesh P Hatwar	Member	Police Head Quarter Nagpur City
4.	Shri. Vilas Katkhede	Member	Journalist, Navbharat Press, Nagpur – Representative of Local Media
5.	Shri. Ashok Yeole	Member	Prayas, Nagpur – Representative of local media
6.	Dr. (Mrs.) A. R. Chaudhari	Member	Senior Faculty Member
7.	Dr. (Mrs.) A. R. Golhar	Coordinator	Faculty Member
8.	Mr. Sharad Palorkar	Member	Representative of Parent
9.	Ms. Alisha Raut	Member	Representative of student belonging to fresher
10.	Mr. Mehul Balsaraf	Member	Representative of senior student
11.	Mr. V. D. Barapatre	Member	Representative of Non-teaching staff (Registrar)

The institute also constituted an anti-ragging squad, which keeps continuous vigilance in entire institute's premises to prevent the ragging incidents.

Table 5.11: Anti-Ragging Squad

Sr. No.	Name of the Member	Designation	Position
1	Dr. (Mrs.) A. R. Golhar	Assistant Professor	Incharge
2	Dr. A. C. Haldar	Assistant Professor	Member
3	Mr. P. N. Aerkewar	Assistant Professor	Member

4	Ms. S. B. Dhobale	Assistant Professor	Member
5	Ms. A. A. Nikose	Assistant Professor	Member
6	Mr. S. M. Pimpalgaonkar	Assistant Professor	Member

5.1.13 Enumerate the welfare schemes made available to the students by the institution.

The institute provides facilities and assists students for applying various welfare schemes under different heads approved by the management. The meritorious, economically backward students, LTJSS employee's students and student's siblings are benefited with fees waiver schemes.

Table 5.12: Fee Concession given to students:

Sr No	Admission Session	No of students given Fees Concession		
		I Yr B.E.	Direct II Yr B.E.	M Tech
01	2016-17	21	11	11
02	2015-16	40	13	-----

Also, on the basis of eligibility criteria laid down by the regulatory bodies, students receive financial assistance from State Government and Central Government. Students belonging to SC/ST/OBC/NT/SBC categories avail scholarships/freeships from State Government. On the basis of parental annual income, scholarships/freeships are given by State Government of Maharashtra. Minority scholarships for students are offered by Central Government.

Table 5.13: Details of scholarships received by students at UG and PG Level

Sr No	Academic Session	Level of Program	Percentage of students receiving financial assistance from			
			State Govt. Scholarship			Central Govt. / AICTE-HRD
			SC/ST/OBC /NT/SBC	EBC Scholarship	Minority Scholarship	
1	2015-16	UG B.E.	70 %	4 %	1 %	-----
2	2014-15		65 %	3 %	0.94 %	-----

3	2013-14	PG B.E.	64 %	3 %	0.75 %	-----
4	2012-13		50 %	2 %	1 %	-----
5	2015-16		-----	-----	-----	-----
6	2014-15		-----	-----	-----	5.5%
7	2013-14		-----	-----	-----	11.11%
8	2012-13		-----	-----	-----	-----

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

No

The institute has active Institute and Department Level Alumni Cell.

Table 5.14: Alumni Cell

Sr No	Name of Member	Affiliation / Organization	Designation
1.	Dr. N. K. Choudhari	Principal, PBCOE, Nagpur	Chairperson
2.	Dr. (Mrs.) A. R. Chaudhari	Dean Academics & Coordinator I Year	Member
3.	Dr. (Mrs.) A. R. Golhar	Assistant Professor, Physics	Coordinator
4.	Mr. M. S. Chaudhari	HoD, IT	Member
5.	Mr. R. K. Pohane	HoD, Mech	Member
6.	Mr. R. N. Patil	HoD, Civil	Member
7.	Mr. P. R. Bokade	HoD, EN	Member
8.	Ms. D. M. Kate	HoD, EC	Member
9.	Mr. K. N. Hande	HoD, CSE	Member
10.	Ms. A. P. Thakre	Assistant Professor, EC	Member
11.	Mr. V. P. Gaikwad	Assistant Professor, CSE	Member
12.	Mr. T. R. Patil	Assistant Professor, Civil	Member
13.	Mr. G. R. Mohite	Assistant Professor, Mech	Member
14.	Ms. S. B. Bhoyar	Assistant Professor, EN	Member

15.	Mr. Y. B. Malode	Assistant Professor, IT	Member
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5.2 Students Progression

5.2.1 Providing the percentage of the students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Table 5.15: Student Progression

Sr No	Department	Session	% of students passed	% of students placed		% of students from UG to PG	% of students self employed
				On Campus	Off Campus		
01	Electronics & Comm Engg	2015-16	94.73	31.57	3.5	1.7	-
		2014-15	82.19	9.5	35	12.32	-
		2013-14	92.68	9.7	41.46	24.39	7.3
		2012-13	96.72	63.93	34.42	3.2	1.6
02	Comp Sc. Engg	2015-16	91.30	61.53	12.82	NIL	0
		2014-15	100	26.92	11.53	NIL	1.92
		2013-14	98.74	13.15	5.62	5.26	65.75
		2012-13	98.33	33.59	5.08	3.38	0
03	Information Technology	2015-16	100	70 %	20	Nil	10
		2014-15	82.35	13.33	66.7	Nil	6.7
		2013-14	98.17	15.6	42.85	10.34	3.1
		2012-13	97.77	07	Nil	Nil	Nil
04	Mechanical Engineering	2015-16	93.88	14.44	3.33		
		2014-15	96.96	00	21.87	4.16	1.11
		2013-14	100	6.25	37.5	9.37	9.37
		2012-13	----	----	-----		
05	Civil Engg	2015-16	91.38	10.34	6.89	10.34	1.72
		2014-15	92.31	--	23.07	3.84	--
		2013-14	NA	NA	NA	NA	NA
		2012-13	NA	NA	NA	NA	NA
06	Electronics Engg	2015-16	100	6.89	17	00	00
		2014-15	84.78	14.28	60	00	3.57
		2013-14	83.33	30	43	16	3.33
		2012-13	75.44	67	00	00	00

The trends observed: Selection in on-campus placements are increasing over the years. The progression of students to higher education is small. The off campus placement are also improving, though the increase is small.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (course wise/batch wise as

stipulated by the University)? Furnish programmes-wise details in comparison with last of the previous performance of the same institution and that of the college of the affiliating university within the city/district.

The program wise details of the institute in comparison with the performance of previous years:

Table 5.16: Programmwise pass percentage and completion rate UG

Sr No	Name of the Program	Session	No of students admitted in I Year	No of students passed in final yr	Completion rate	Result in %	Result of previous batch	Comparison with other colleges			
								Col 1	Col 2	Col 3	Col4
01	Comp Sci. Engg	2015-16	39	28	71.7	91.30	100	9	98.33	75	100
		2014-15	52	29	55.7	100	98.74	100	92.69	100	100
		2013-14	38	28	73.6	98.74	98.33	94	98.57	95	92.59
		2012-13	59	27	45.7	98.33	98.21	96	97.95	94	100
02	Information Technology	2015-16	10	07	70	100	82.35	98.00	94.73	100	100
		2014-15	15	07	46.6	82.35	98.17	95.83	86.11	79.59	100
		2013-14	32	21	65.6	98.17	97.77	100	97.72	95.83	100
		2012-13	50	30	60	97.77	100%	97.43	87.83	94.74	100
03	Electronics & Comm Engg	2015-16	43	31	72.09	94.73	82.19	94.23	80	89.79	98.33
		2014-15	60	34	56.6	82.19	92.68	93.87	50	87.50	98.27
		2013-14	31	19	61.2	92.68	96.72	95.23	63.63	80.33	94.04
		2012-13	61	39	63.9	96.72	96.15	NA	85.71	85.00	93.33

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04	Civil Engg	2015-16	59	47	79.6	91.38	92.31	85.29	85	100	100
		2014-15	43	22	51.1	92.31	--	100	90.19	94.74	100
		2013-14	NA	NA	NA	NA	NA	NA	NA	NA	NA
		2012-13	NA	NA	NA	NA	NA	NA	NA	NA	NA
05	Mechanical Engg	2015-16	118	96	81.3	93.88	96.96	85.56	92.87	97.46	91.72
		2014-15	103	48	46.6	96.96	100	100	98.03	96.69	92.62
		2013-14	25	09	36	100	---	97.05	94.56	94.23	92.38
		2012-13	NA	NA	NA	---	---	85.56	92.87	97.46	91.72
06	Electronics Engg	2015-16	29	17	58.6	100	93.33	82.33	64.71	100	100
		2014-15	48	29	60.4	93.33	83.33	90.32	77.78	90.32	70.00
		2013-14	43	30	69.7	83.33	75.44	85.76	64.58	84.76	90.56
		2012-13	60	44	73.3	75.44	93.33	78.26	68.65	78.26	88.23

Table 5.17: Programmwise pass percentage and completion rate PG

Sr No	Name of the Program	Session	No of students admitted in I Year	No of students passed in final yr	Completion rate	Result in %	Result of previous batch	Comparison with other colleges			
								Col 1	Col 2	Col 3	Col 4
01	Comp Sc. Engg	2015-16	18	18	100	75	88.23	100	100	100	100
		2014-15	18	18	100	88.23	75	100	94.44	100	100
		2013-14	18	16	88.8	75	100	94.44	100	100	100

		14									
		2012-13	18	11	61.1	100	NA	88.88	100	100	NA
02	Electronics & Com Engg	2015-16	17	10	58.8	100	-	100	100	100	100
		2014-15	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2013-14	Not Applicable									
	2012-13	Not Applicable									

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institute facilitate and counsel to take higher studies to the students. The students are encouraged for GATE/GRE/TOFEL and other competitive exams.

The institute conducts various training sessions comprise of soft skill, technical skill and aptitude skill trainings through guest lectures, industry visit, and technical workshop to enhance employment opportunities.

Table 5.18: Activities conducted by Training and Placement Cell:

Sr No	Activities	Total Students Attended
01	Cocubes Orientation	105
02	Tcs Webinar 01:An Introductory Webinar Series On Interview Preparations	65
03	Tcs Webinar 02:Resume Building Tips	60
04	Sdg Session : "Self Assessment And Interview Assessment "	58
05	Tcs Webinar 03:Preparation For An Interview	45
06	Opulent Infotech Pvt Ltd Sesson: Preplacement Talk And How To Make Inovative Final Year Project.	72
07	Tcs Webinar 04:Tcs Overview	45
08	Mr Deshmukh ,Sr Tech Lead, Persistent Nagpur	41
09	Tcs Webinar 05: Non Verbal Communication".	39
10	Microsoft Certification Session By Ats	60

	Infotech	
11	Amcat Presentation By Mr Zeeshan Ali	35
12	Face Online Aptitude Practice And Mock Test	85 Students Registered And Other Than College Hours
13	Pariksha Online Aptitude Practice And Mock Test	Online Registration And Other Than College Hours
14	GTT Online Aptitude Practice And Mock Test	53 + 51
15	40 Hrs C Session For EC/EN Final Year Students By GTT	53
16	40 Hrs Java Session For CSE/IT Final Year Students By GTT	51
17	Logic Session On “Short Tricks”	54
18	Microsoft Certification Course	22
19	Amcat Examination	20
20	Cocube Examination	25
21	Lakshaya Gate Session To Crack The Gate	In All Final Year Classes
22	Smart Skill Tech Pvt Ltd Session And Assesment Test	42
23	Session On Cloud Computing And Hacking”	39

Table 5.19: Activities by T&P Cell

Sr No	Activities	Total students Attended
01	Aptitude Training CRT by FACE	85
02	TCS specific Training by FACE	50
03	Challenges in Network Security and probable solutions by Sushil Pudke, Director, Axiom Softech Pvt. Ltd.	60
04	Awareness of IT sector by Mr. Aditya, City Bridge software	51
05	Smart City Projects by Saket Agrawal, Opulent Infotech Pvt. Ltd.	49
06	BSNL Training	16

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

The institute gives utmost care to the subjects which are critical by taking remedial and extra classes. To improve their performance additional practice sessions and mock test are conducted for these students. Question banks and model solutions of university question papers are provided. Continuous monitoring of their attendance is carried out. Also counseling and mentoring is provided in the department and their academic performance is informed to their parents.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and programme calendar.

The students had participated in various indoor and outdoor sports events organized by the University and the College at National, State and Regional Level. Students from all the departments had participated under the guidance of sport in charge Prof P. N. Aerkewar.

Table 5.20: Students Participation in Sports Activities:

Sr No	Academic Session	Name of The Sport	Organized By	Level (National /State/ Regional)	No Of Students Participated
01	2016-17	Archary (Boys)	Krishna University. Machilipatnam	National	02
02		Yogasan	Kurushetra	National	01
03		Archary (Boys)	RTMNU, Nagpur	Regional /University	07
04		Athletics (Men)	RTMNU, Nagpur	Regional /University	08
05		Badminton (Men)	RTMNU, Nagpur	Regional /University	05
06		Badminton (Women)	RTMNU, Nagpur	Regional /University	05
07		Boxing	RTMNU, Nagpur	Regional /University	03
08		Cricket (Men)	RTMNU, Nagpur	Regional /University	17

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09		Chess (Men)	RTMNU, Nagpur	Regional /University	05	
10		Chess (Girls)	RTMNU, Nagpur	Regional /University	05	
11		Foot Ball (Men)	RTMNU, Nagpur	Regional /University	15	
12		Kabaddi (Men)	RTMNU, Nagpur	Regional /University	12	
13		Kho-Kho (Women)	RTMNU, Nagpur	Regional /University	12	
14		Swimming (Men)	RTMNU, Nagpur	Regional /University	06	
15		Table Tanis (Men)	RTMNU, Nagpur	Regional /University	06	
16		Volley Ball (Men)	RTMNU, Nagpur	Regional /University	12	
17		Yogasan (Boys)	RTMNU, Nagpur	Regional /University	05	
18		Yogasan (Girls)	RTMNU, Nagpur	Regional /University	01	
19		Tug Of War (Men)	RTMNU, Nagpur	Regional /University	09	
20		Wrestling	RTMNU, Nagpur	Regional /University	01	
21		Cross Country	RTMNU, Nagpur	Regional /University	01	
22		Yogasan (Boys)	Nagpur Yoga Association	National	02	
23		Yogasan (Boys)	Govt Of Puducherry	International	01	
		Chess	PIET/Udan	Regional	10	
24		2015-16	Archery (Men)	Punjabi University	National	02
25			Yogasan (Women)	RTMNU, Nagpur	Regional /University	01
26			Yogasan (Men)	RTMNU, Nagpur	Regional /University	06
27			Archery (Men)	RTMNU, Nagpur	Regional /University	06
28			Air Pistol Shooting	RTMNU, Nagpur	Regional /University	01
29			Athletics (Men)	RTMNU, Nagpur	Regional /University	20
30			Football (Men)	RTMNU, Nagpur	Regional /University	13
31	Cricket (Men)		RTMNU, Nagpur	Regional /University	15	

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32		Kabaddi (Men)	RTMNU, Nagpur	Regional /University	12
33		Badminton (Men)	RTMNU, Nagpur	Regional /University	06
34		Vollyball (Men)	RTMNU, Nagpur	Regional /University	10
35		Chess (Men)	RTMNU, Nagpur	Regional /University	06
36		Archery (Men)	A-Zee Sport Academy At Pbcoe	Regional	02
37	2014-15	Rifle Shooting	Patiala	National	01
38		Archery (Men)	Kurushetra University	National	03
39		Swimming	Jain University Benglaru	National	01
40		Rifle Shooting	RTMNU, Nagpur	Regional /University	01
41		Cricket (Men)	RTMNU, Nagpur	Regional /University	16
42		Chess (Men)	RTMNU, Nagpur	Regional /University	06
43		Yogasan	RTMNU, Nagpur	Regional /University	01
44		Archery (Men)	RTMNU, Nagpur	Regional /University	04
45		Swimming(Men)	RTMNU, Nagpur	Regional /University	05
46		Archery (Five Spot)	Field Archery Association Of Maharashtra	State	01
47		Archery (Single Spot)	Field Archery Association Of Maharashtra	State	01
48		Archery (Overall)	Field Archery Association Of Maharashtra	State	01
49		Archery (Mix Spot)	Field Archery Association Of Maharashtra	State	01
50	2013-14	Swimming	Guru Nanak Dev University, Amritsar	National	01
51		Archery (Men)	RTMNU, Nagpur	Regional /University	01
52		Archery (Men)	Patiala, Punjab	National	01

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53		Cricket	RTMNU, Nagpur	Regional /University	13	
54		Football	RTMNU, Nagpur	Regional /University	09	
55		Swimming	RTMNU, Nagpur	Regional /University	05	
56		Chess	RTMNU, Nagpur	Regional /University	06	
57		Atheletics	RTMNU, Nagpur	Regional /University	06	
58		Kabaddi	RTMNU, Nagpur	Regional /University	12	
59		Kho-Kho	RTMNU, Nagpur	Regional /University	12	
60		Volleyball	RTMNU, Nagpur	Regional /University	12	
61		Yogasan	RTMNU, Nagpur	Regional /University	02	
62		Shooting	RTMNU, Nagpur	Regional /University	01	
63		2012-13	Swimming	University Of Calcutta	National	01
64			Cricket	RTMNU, Nagpur	Regional /University	16
65	Football		RTMNU, Nagpur	Regional /University	16	
66	Swimming		RTMNU, Nagpur	Regional /University	10	
67	Chess		RTMNU, Nagpur	Regional /University	07	
68	Atheletics		RTMNU, Nagpur	Regional /University	07	
69	Kabaddi		RTMNU, Nagpur	Regional /University	12	
70	Volleyball		RTMNU, Nagpur	Regional /University	07	
71	Shooting		RTMNU, Nagpur	Regional /University	01	
72	Badminton (Boyes)		RTMNU, Nagpur	Regional /University	11	
73	Wrestling		RTMNU, Nagpur	Regional /University	01	
74	Basket Ball		RTMNU, Nagpur	Regional /University	12	



Sports Week - Krida Mahotsav

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular, cultural & technical activities at different levels: University / State / Zonal / National/International, etc. for the previous four years.

The students had actively participated in large number of extra-curricular and co curricular and cultural activities at University, State and National level.

Table 5.21: Details of their Achievements in Sports:

Sr No	Name of Student/ Team	Sem/ Branch	Name of the Sport	Organized By	Level	Date	Positi on/ Rank
Academic Session:-2016-17							
1	Charudatta Bante	VI/ CSE	Archery/ COMPOUD	RTMNU, Nagpur	Regional /University	2016-17	III
2	Kiran Ravindra Paraye	VII/ MECH	Archery/ RECURVE	RTMNU, Nagpur	Regional /University	2016-17	IV
3	Dipankar Shinde	VI/ MECH	Archery/ INDIAN ROUND	RTMNU, Nagpur	Regional /University	2016-17	V
4	Charudatta Bante	VI/ CSE	Archery	KRISHNA UNIVERSITY./ Machilipatnam	National	15-19 th Feb 2017	38 th
5	Kiran Ravindra Paraye	VII/ MECH	Archery	KRISHNA UNIVERSITY./ Machilipatnam	National	15-19 th Feb 2017	68 th
6	Aniket Kishor Thak	VIII/ MECH	Yogasan	Govt of Puducherry	NATIONA L	4-7 th Jan20 17	-----

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7	Aniket Kishor Thak	VII/ MECH	Yogasan	RTMNU, Nagpur	Regional /University	13-14 FEB-2017	6
8	Vidya Wankhede	VII/ CSE	CHESS	RTMNU, Nagpur	Regional /University	2016-17	VII
9	Aniket Kishor Thak	VII/ MECH	Yogasan	Nagpur Yoga Association	National	21-25 Oct 2016	4 th
10	Akash Sawarbandhe	IV/ CSE	Yogasan	35 th Maharashtra Yogasan Championshipo ga Association	National	Nov-2016	4 Th
11	Aniket Kishor Thak	VII/ MECH	Yogasan	23 rd International Yoga Festival, Govt Of Puducherry	International	4-7 th 04-07 Jan2017	4 th
12	CHESS	PBCOE	CHESS	PIET/UDAN	Regional	15-18 Feb-2017	RUNNER-UP
Academic Session:-2015-16							
13	Charudatta Bante	IV/ CSE	Archery	RTMNU, Nagpur	Regional /University	2015-16	II
14	Dipankar Shinde	IV/ MECH	Archery	RTMNU, Nagpur	Regional /University	2015-16	II
15	Charudatta Bante	IV/ CSE	Archery	PATIALA Organized by PUNJABI UNIVERSITY	National	22-26 th JAN-2016	--
16	Dipankar Shinde	IV/ MECH	Archery	PATIALA Organized by PUNJABI UNIVERSITY	National	22-26 th JAN-2016	--
17	Charudatta Bante	IV/ CSE	ARCHERY (MEN)	A-ZEE Sport Academy at PBCOE	Regional	14 June-2015	2 nd
18	Dipankar Shinde	IV/ MECH	ARCHERY (MEN)	A-ZEE Sport Academy at PBCOE	Regional	14 June-2015	2 nd
19	Akshay Pardeshi	III/ ME	Chess	RTMNU, Nagpur	Regional /University	2015-16	4 th
20	Utkarsha Devagade	VI/ CSE	YOGASAN	RTMNU, Nagpur	Regional /University	2015-16	9 th
Academic Session:-2014-15							
21	Md. Zeeshan	IV sem/ ME	Archery	RTMNU, Nagpur	Regional /University	17-18 Oct-2014	2 nd
22	Charudatta Bante	I year	Archery	RTMNU, Nagpur	Regional /University	2014-15	1 st
23	Dipankar Shinde	I year	Archery	RTMNU, Nagpur	Regional /University	2014-15	3 rd

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24	Md. Zeeshen	IV sem/ ME	Archery	Khurushetra university	National	23-27 Nov-2014	--
25	Charudatta Bante	I year	Archery	Khurushetra university	National	23-27 Nov-2014	76 th
26	Dipankar Shinde	I year	Archery	Khurushetra university	National	23-27 Nov-2014	82 nd
27	Md. Zeeshen	IV sem/ ME	RIFLE SHOOTING	Patiala, Pajab	National	2-6 Jan-2015	----
28	Md. Zeeshen	IV sem/ ME	RIFLE SHOOTING	RTMNU, Nagpur	Regional /University	2014-15	4 th
29	Akash Timnade	VI sem	Swimming	RTMNU, Nagpur	Regional /University	2014-15	10 th
30	Akash Timnade	VIII sem/ Mech	Swimming	Jain University, Benglure	National	26-30 th Oct-2014	-----
31	Charudatta Bante	I year	Archery (Five Spot)	Field Archery Association of Maharashtra at hingoli	State	21 st – 22 nd feb 2015	3 rd
32	Charudatta Bante	I year	Archery (Single Spot)	Field Archery Association of Maharashtra at hingoli	State	21 st – 22 nd feb 2015	2 nd
33	Charudatta Bante	I year	Archery (Overall)	Field Archery Association of Maharashtra at hingoli	State	21 st – 22 nd feb 2015	3 Rd
34	Charudatta Bante	I year	Archery (Mix Spot)	Field Archery Association of Maharashtra at hingoli	State	21 st – 22 nd feb 2015	1 St
35	Cricket Team	PBCOE	CRICKET	15 th Engineer cup ACET, NAGPUR	REGIONAL	9 th – 18 th Feb-2015	RUNNER-UP
36	Md. Zeeshan	I year	Archery	RTMNU, Nagpur	Regional /University	23-24 Dec-2013	2 nd
37	Md. Zeeshen	I year	Archery	Patiala, Pujab	Regional /University	2014	-----
38	Akash Timnade	VI sem/ Mech	Swimming	GURU NANAK DEV UNIVERSITY, AMRITSAR	National	26-30 th Oct-2014	-----

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- Every year feedback is taken from the graduating students. The feedback-form comprise of a set of question regarding quality of teaching, placement assistance etc. Their feedback form are collected, analyzed and corrective measures are adopted to improve teaching competencies of the faculty thereby enhancing students learning.
- The institute interacts with the alumni and organizes alumni meet to take the suggestions from them. So the institute can technically cope up with the fast changing world and improve the teaching learning process. The college also collects the alumni feedback.
- After the placement of students through on campus or off campus, institute interacts with the employer and collects the feedback from them. It gives the information about the performance of employed students which helps in planning content to be delivered beyond curriculum.

5.3.4 How does the college involve and encourage students to publish material like catalogues, wall magazines, college magazines and other material? List the publication / materials brought out by the student during the previous academic session.

- The institute publishes yearly magazine “SMRUTI” to motivate the students to express their talents through articles, paintings etc.
- Departmental wall magazine are also displayed regularly which provides a platform to express their creativities.

Table 5.22: List of publication/material in last academic session (2015-16):

Sr No	Department	Name of The Student	Sem	Topic of The Material/Publication
1.	Civil Engg	Mr. Yuvraj Chhadi	VI	College Life
2.		Mr. Yuvraj Chhadi	VI	Aaj Ki Rajniti
3.		Ms.Vaishnavi Palorkar	VI	Samanta & Swatantrata
4.		Mr.Jayant Koche	VI	Nari
5.		Mr.Jayant Koche	VI	Rang Mere Desh Ke
6.		Ms.Harsha Borkute	VIII	Jivan-Shikshan

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7.		Mr.Hemant Pounikar	VI	Winner And Looser
8.		Mr.Hemant Pounikar	VI	Save Girls
9.	Civil Engg	Ms.Neha Damke	VI	Aayushya
10		Mr.Hemant Pounikar	VI	Jivnache Ganit
11		Ms.Neha Damke	VI	Mala Suddha Jakham Havi
12		Ms.Neha Damke	VI	Hava Ek Aadhar
13	EC	Amruta Lanjewar	VIII	Why Students Must Be Taught Finavial Literacy
14		Amruta Lanjewar	VIII	Let's Make India Prosperous
15		Amruta Lanjewar	VIII	My Pbcoe
16		Pranita Kolhe	VIII	Teacher An Acronym
17		Pranita Kolhe	VIII	Turner Of Life
18		Pranita Kolhe	VIII	Life Is Test
19		Rasika Wanjari	VIII	Baba
20	CSE	Minal Shambharkar	IV	Poem(English)
21		Shilpa Chapare	IV	Poem(English)
22		Rohini Talokar	IV	Poem(English)
23		Vidya Wankhede	VI	Poem(English)
24		Rohini Talokar	IV	Poem(English)
25		Aboli Khanorkar	IV	Article
26		Shweta Parate	IV	Poem(English)
27		Monali Taywade	VI	Poem(Hindi)
28		Ankita Tripathi	IV	Poem(English)
29		Rahi Wadaskar	VI	Poem(Hindi)
30		Monali Taywade	VI	Poem(Marathi)
31		Monali Taywade	VI	Poem(Marathi)
32		Monali Taywade	VI	Poem(Marathi)
33	Monali Taywade	VI	Poem(Marathi)	
34	IT	Arabind Jena	VIII	Article Secrets Of Studying Effctively..Revealed.
35	Mechanical	Akshay Hirudkar	VI	Mobile Photography

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36		Sumeet Wadibhasme	VII	Mobile Photography
37		Shubham Dhahake	V	Actual One Touch Idea-Mobile Ohotography
38		Vaibhav Aglawe	III	Mobile Photography
39		Pranay Gajbhiye	III	Mobile Photography
40		Ahash Kodarlikar	V	Mobile Photography
41		Gaurav Pradhan	V	Mobile Photography
42		Shubham Motghare	VII	Mobile Photography
43		Kartik Parate	III	Mobile Photography
44		Arshad Pathan	V	Mobile Photography
45		Piyush Larokar	III	Mobile Photography
46		Abhilash Shinde	VII	Mobile Photography
47		Ameya Borgaonkar	III	Mobile Photography
48		Shubham Bagde	V	Mobile Photography
49		Pravin Barapatre	VII	Mobile Photography
50		Pratik Bawankar	V	Mobile Photography
51		Kunal Mahajan	VII	Mobile Photography
52		Santosh Barde	VII	Mobile Photography
53		Swaroop Thete	III	Mobile Photography
54		Sumeet Wadibhasme	VII	Mobile Photography
55		Shubham Harde	VII	Mobile Photography
56		Aniket Dokrimare	VII	Mobile Photography
57		Megharaj Jane	III	Mobile Photography
58		Aakash Shahu	III	Mobile Photography
59		Prajwal Wairagade	III	Mobile Photography
60		Rohan Dahake	III	Mobile Photography
61		Jayant Wankhede	III	Mobile Photography
62		Ankur Urkude	III	Mobile Photography
63	Electronics	Akash Zarkariya	IV Sem	Article "My Life" (College Magazine)
64	Engg	Samiksha Gadpayle	IV Sem	Poem "Life's Like" (College Magazine)

65	Electronics Engg	Mamta Thakre	IV Sem	Poem "Friendship" (College Magazine)
66		Akash Zarkariya	IV Sem	Poem "You" (College Magazine)
67		Kahol Khursange	IV Sem	Poem "The Widening Gyre" (College Magazine)
68		Shraddha Borkar	IV Sem	Poem "Friendship" (College Magazine)
69		Shraddha Borkar	IV Sem	Article "Mother" (College Magazine)
70		Vidisha Kamatkar	IV Sem	Poem "Our Friendship" (College Magazine)
71		Samiksha Gadpayle	IV Sem	Poem "Success" (College Magazine)
72	Vijay Kumar Ray	IV Sem	Hindi Poem "Ek Samwad Maa Ke Saath" College Magazine)	

5.3.5 Does the college have a student council or any similar body? Give details on its selection, constitution, activities and funding.

As per the directives received from Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, the student council is to be constituted and the student representative is to be elected from the student council. From all the semesters, the class toppers are nominated to the student council. Also the students participated in NSS, Adult Education/Literacy programme, Cultural activities or any other activities/achievements are nominated to the student council by the respective Head of Department. With the approval of Head of the Institution, the applications are forwarded to the University. All the nominated members of student council elect the University Representative from the candidates amongst the members of student council.

The student council is involved in all student related activities and events of the Department and Institution.

5.3.6 Give details of various academic and administrative bodies that have student representative on them.

Student representation and participation is an integral part of academics and also of the various activities of the institute. The student representation in various academics and administrative bodies are:

Anti-ragging Committee, Alumni Association, Sports, Library, Cultural, Students Placement Cell, College Magazine, Departmental Wall Magazine, NSS and Canteen, student forum of all departments, Ganesh Festival, Annual Social Gathering, Kridamahotsav, Sports Meet.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution?

Every year institute conducts the Alumni Meet. Head of the Departments, faculty and staff are in contact with the alumni through various media like e-mail, social networking etc. and various activities are conducted by the Alumni Association. Alumni are invited to interact with the regular students of the institute so skill wise they can cope up with the fast changing world and update with the latest trends in the technology.



Alumni Meet - Bandhan

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Vision

We commit ourselves to create state of art infrastructure, highly competent, learned and motivated faculty, best of the books, journals, computing and Internet facilities for the students, who in turn will be useful for industries in particular and society in general.

Mission

To generate effective synchronization amongst academicians, professionals, technocrats and students so as to achieve excellence in professional education with a sense of commitments to meet the national aspirations.

Quality Policy

To initiate, design and execute the processes for improvement of academic excellence at learning and execution levels and continually strive to achieve the highest possible outcome based objectives.

We achieve stated vision and mission through following practices:

- Well disciplined academic culture and environment
- Highly experienced and qualified staff.
- Excellent infrastructure with all facilities.
- Extensive training facilities to enhance employability of students.
- Excellent placement opportunities in reputed companies.
- Active student association of all departments for overall development of students.
- Continuous interaction with industries and research organizations.
- Active cells and committees for the growth, welfare and development of students and staff, such as NSS Cell, Student Cell, Anti ragging Cell, Internal Complaint Committee, ED Cell, III Cell, T & P Cell, Library Advisory Committee, Research Advisory Committee, Faculty Development Cell, IQAC, Student Grievance Cell, Student Mentoring scheme.
- Periodic test and continuous evaluation.

- Continuous ongoing efforts for quality excellence through conference, seminars, workshops, training programs etc.
- Focus on innovation and research.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The role of top management is very pivotal in design and implementation of quality policy. To support this Principal and faculties of the college also plays an important role too. Quality policy of the institute itself reflects the dedication of the management for development of the college.

Role of Top Management:

- The mission of the Sanstha is to generate an effective synchronization among academicians, professionals, technocrats, managers and students so as to achieve excellence in the field of technical education. The Sanstha is committed to meet the national aspirations through its budding new age technocrats and entrepreneurs.
- It makes relentless efforts to inculcate this ideology of new system of education to manifest the dream of modern India through value based education.
- The Sanstha plays a major role by facilitating development of core competencies of our academicians who in turn will train our students to challenge every hurdle.
- The educational Institutions of the Sanstha have been helping our students with an objective to achieve progressive academic competency and professional enhancement.
- LTJSS has taken up the responsibility of giving a new dimension to engineering education, a new look and new approach which will make our students future ready.
- Sanstha aim towards providing highly qualified and experienced faculty members in solving problems of industry, public sector undertakings etc., through sponsored projects, consultancy assignments and also to contribute to Technical Extension Services offered by the world wide known societies.
- The educational Institutes of the Sanstha have been progressing with an objective to create facilities for achieving advanced academic and professional competence in experienced technical manpower.
- The management has established the structured administration in the form of Deans at Sanstha level.
- Dean, Academics, LTJSS monitors the various academic activities of teaching learning process at all the institutions of the Sanstha.
- Dean, R&D, LTJSS plans and monitors the different activities related to research and development activities of all institutes.

- Dean, P&D, LTJSS looks after the all the purchases and maintenance of various equipments, books, machinery etc.
- Dean, T &P, LTJSS plans and conducts campus placement trainings and interviews in coordination with college level T&P officer.

Role of the Principal:

- The role of Principal of the college is to provide the quality based technical education for creating engineers with sound technical knowledge with high moral character to serve the society.
- The Principal of the college plays major role in implementing the quality policy and mission statement.
- The Principal is the interface between the management and faculty. While implementing the quality policy the Principal leads the team of faculty members by providing the directions and guidelines to them.
- During interaction the Principal communicates the vision of the management to the Heads, faculty members and staff members for its effective implementation.
- The Principal has established various centralized portfolios and cells at college level like NSS Cell, Student Cell, Anti ragging Cell, Internal Complaint Committee, ED Cell, III Cell, T & P Cell, Library Advisory Committee, Research Advisory Committee, Faculty Development Cell, IQAC, Student Grievance Cell, and Student Mentoring scheme.
- Principal is the member secretary of Local Management Committee. In the meetings of LMC various issues are discussed and the necessary resolutions are approved.
- Principal of the college conducts the regular meetings with Heads and centralized portfolio incharges and takes review of various activities.
- The Principal initiates the conduction of various technical activities like conference, seminars, STTP, workshops and extracurricular activities like sports meet, Annual social gathering, student forum activates, Ganesh Utsav etc.
- The Principal is directly connected with the various bodies in the University, industries and other educational organizations. He regularly interacts with the scientists, industry persons and academicians, to provide the inputs for quality improvement.
- Principal regularly interacts with the students, parents, alumni and employers to take feedback and improvement.
- The efforts of the Principal has successfully achieved total academic environment with high discipline.

Role of Faculty:

- The Heads of the departments communicates the policy decisions to the faculty members.

- The Heads of the department take lead in implementation of all the policies and guidelines issued by Principal.
- The faculty plays a very important role in executing all the policies and guideline as they are directly involved in teaching learning process.
- Faculty members guide the students on the professional and personal front through Student Mentoring scheme.
- Faculty members communicate with the parents either telephonically or personally to brief them the progress of their ward.
- A faculty member prepares themselves academically to ensure the good delivery of knowledge. They prepare the academic material such as lecture notes, question banks, viva voce question, and few topics out of syllabus to make the teaching learning process more effective.
- Faculty members upgrade their knowledge by attending various seminars, conferences, STTPs.
- Faculty member update their academic profile by perusing higher education and research in their area of specialization.
- Faculty members publish their research work in various National and International journals.

6.1.3 What is the involvement of leadership in Ensuring:

- **The policy statement and action plans for fulfillment of the stated mission.**
- **Formulation of action plans for all operations and incorporation of the scheme into the institutional strategic plan.**
- **Interaction with the stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.**
- **Reinforcing the culture of excellence.**
- **Champion the organization change**

The policy statement and action plans for fulfillment of the stated mission.

- The leadership develops the vision, mission, and quality policy and learning objectives for its implementation.
- Local Management Committee conducts the meetings on regular basis on various issues and the necessary approvals are taken in the meeting.
- They have a strong feedback system from the stakeholder such as students, parents, alumni and employers.
- Encourage and motivates the faculty members for academic profile up gradation.
- The probation reports of newly joint faculties are submitted and verified by the Heads and Principal and submitted to the Directors office.
- Performance appraisal forms and annual confidential reports of each faculty members are submitted to Director Office.

Formulation of action plans for all operations and incorporation of the scheme into the institutional strategic plan.

Under the guidance of Principal, Heads of departments along with their faculty members prepares the strategy for teaching learning process which includes preparation of academic calendar, time table, teaching plan, subject allotment, lecture notes, lab manuals, question banks etc.

Planning of various extracurricular and co curricular activities is also done throughout the year.

Annual budget for various heads is prepared and submitted to Director Office. Various R&D, T&P, III, ED Cell, Student Cell, NSS Cell are planned throughout the year.

Interaction with the stakeholders

College interacts with its stakeholders through parents meet, alumni meet, events and programs organized throughout the year. The college takes feedback on regular intervals from students, parents, alumni and employers. In this interaction, inputs related to institutional performance on academics and other activities is being collected and analyzed. On the basis of analysis the necessary improvements is suggested.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.

The management has appointed Dean, R&D, Dean P&D, Dean T&P, and Dean Academics at Sanstha level. All the Deans conduct regularly interacts with the Principals and Heads. Based on the inputs collected they formalize and make amendments in the policies in consultation with the management.

Through T&P, ED Cell and III activities regular interactions with industries are carried out and the suggestions given for improvement are incorporated.

The analysis of feedback from students, parents, alumni and employers is utilized for improvement of the system.

Reinforcing the culture of excellence.

The mission of the Sanstha is to generate effective synchronization amongst academicians, professionals, technocrats and students so as to achieve excellence in technical education with a sense of commitment to meet the national aspirations.

Champion the organization change

The college is always ready to accept the changes for the betterment of students and staff. Through the interaction and feedback of the various activities conducted, the college is always ready to augment the existing policies which would result in better academic process. The college is always open for the suggestions by the stakeholders and other eminent academicians for improvement in the process. The college is always ready to take the

leading steps by implementing the innovative ideas for the betterment of the organization and Sanstha.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- To monitor and evaluate policies and plans of the institution, the management conducts the meeting of Governing Body, Local Management Committee, Deans, Principals and Heads.
- Various committees and cells are established at college level under the guidance and supervision of the Principal. All the committee in charges and members plan and execute the activities under their cell throughout the year.
- College has constituted the Academic monitoring committee at college level and department level for effective planning and implementation of academic activities in the semester.
- The Principal and HoDs conducts the meetings with the committee members to ensure the smooth and effective functioning of the cell.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

- Principal of the college has given the authority to plan, conduct and execute all the academic activities at college level. Principal of the college also ensures the effective implementation by inculcating academic discipline in the students and faculties of the departments.
- Heads of the departments are nominated by the Principal, and they have been given the freedom and flexibility to lead the department and produce the desired output in terms of results and other credentials.
- Faculty is assigned the various portfolios like class incharge, lab incharge, event incharge, Exam incharge, Sessional incharge, Committee incharge, centralized portfolio incharge. By this faculty learns the basic principles of the management also.
- Many centralized portfolios requiring the academic inputs are assigned to experienced faculties.

6.1.6 How does the college groom leadership at various levels?

As the college is run by the large Sanstha, LTJSS, college always leads to provide the leadership at various levels like HoD, Faculty, and Coordinator of the committees.

- The Principal initiates the conduction of various technical activities like conference, seminars, STTP, workshops and extracurricular activities like sports meet, Annual social gathering, student forum

activates, Ganesh Utsav etc. These activities are assigned to individual faculty by identifying the faculty from the departments.

- The work is assigned to the faculties as per their strength in the specific area.
- Heads of the department are given academic and administrative independence for conduction of effective teaching learning process. They can implement their innovative ideas for the improvement in the performance of the students.
- IQAC coordinator and Dean, Academics of the college have been given the freedom to plan and monitor the academic process implementation and evaluation procedure.
- Faculties can use different teaching methodologies and tools as per their choice and requirement for effective delivery of the curriculum.
- Every department has their student forums where the students are assigned with the designations such as president, vice president, secretary and treasurer.
- They plan and organize various activities which inculcate the spirit of leadership, teamwork and capacity building.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

- Heads of the departments are nominated by the Principal, and they have been given the freedom and flexibility to lead the department and produce the desired output in terms of results and other credentials.
- The Principal has established various centralized portfolios and cells at college level like NSS Cell, Student Cell, Anti ragging Cell, Internal Complaint Committee, ED Cell, III Cell, T & P Cell, Library Advisory Committee, Research Advisory Committee, Faculty Development Cell, IQAC, Student Grievance Cell, and Student Mentoring scheme.
- Faculty is assigned the various portfolios like class incharge, lab incharge, event incharge, Exam incharge, Sessional incharge, Committee incharge, centralized portfolio incharge. By this faculty learns the basic principles of the management also.
- Many centralized portfolios requiring the academic inputs are assigned to experienced faculties.
- The Librarian of the college has been given the freedom to plan different activities which will utilize the library resources to its maximum possible extent.

6.1.8 Does the college promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the college authorities are very open minded and are always ready for discussion and suggestions. They are always ready to implement the suggestions if they are fruitful and effective. The college authorities always involve the students and teachers while organizing various activities at department or college level. The management gives appreciation for fruitful and innovative suggestions

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, college has formally stated quality policy as given below.

Quality Policy:

To initiate, design and execute the processes for improvement of academic excellence at learning and execution levels and continually strive to achieve the highest possible outcome based objectives.

The quality policy is framed with objectives:

- To create facilities for achieving advanced academic and professional competence in experienced technical manpower by way of introducing under graduate and post graduate courses.
- By making the Institute a centre of research and by implementing continuing education programs and thereby to elevate the level of faculty members as outstanding scholars in their areas of specialization
- By way of participation and performance in high level technical and research activities at National and International levels.
- By providing highly qualified and experienced faculty members in solving problems of industry, public sector undertakings etc., through sponsored projects, consultancy assignments.

The quality policy and its objectives are deployed through:

- The college website
- The college brochure
- Display boards
- The college Magazine
- Communication through public gathering.

The implementation of quality policy is reviewed through interactions, feedbacks and review meetings. If required some corrective measures are suggested for effective implementation of policy.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, the college has a perspective plan for development.

- To be one of the best engineering college in the region.
- Up-gradation of laboratories and other infrastructure of the college.
- To be a doctoral research centre for Ph.D.
- To improve collaborative research to promote Industry Institute interaction.
- To use our faculty expertise to provide consultancies to nearby industries and organizations.
- To enhance the placement of students in prestigious companies,
- To get funds for research projects from various funding agencies like AICTE, DST, UGC, DIT, DRDO, MHRD, ISRO etc.
- To get accreditation of all the courses by NBA
- To become autonomous institute of RTM Nagpur University.
- To establish the networking with renowned universities, industries and organizations.

6.2.3 Describe the internal organizational structure and decision making processes.

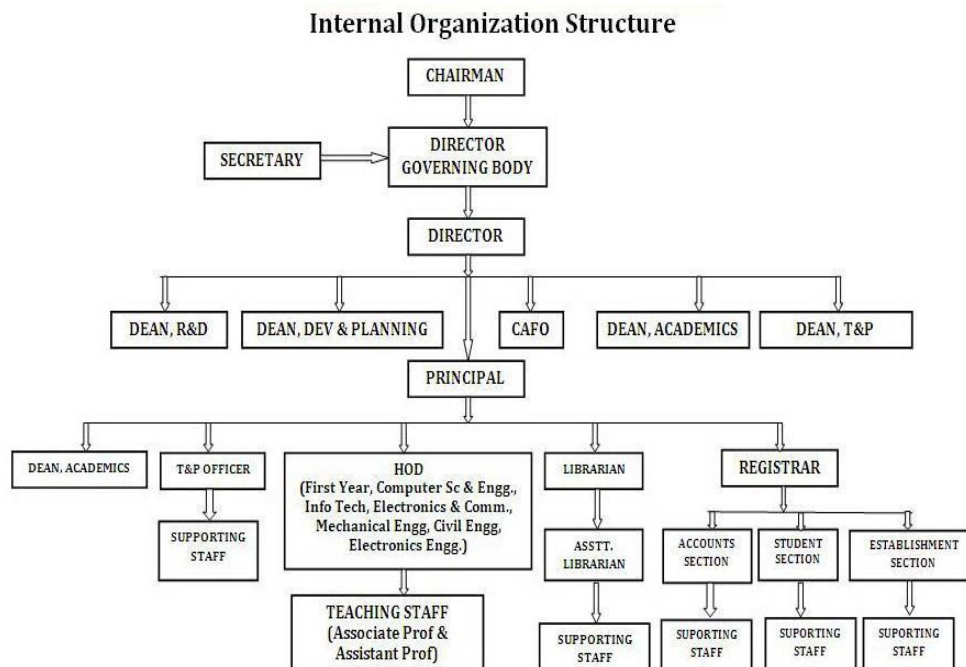


Figure 6.1: Internal Organization Structure of the College

- The role of top management is very pivotal in decision making process. To support this Principal and faculties of the college also plays an important role too
- The Principal is the interface between the management and faculty. While implementing the decisions of management, the Principal leads the team of faculty members by providing the directions and guidelines to them.
- During interaction the Principal communicates the vision of the management to the Heads, faculty members and staff members for its effective implementation.
- The Principal communicates the decision of management to various centralized portfolio in charges at college level like NSS Cell, Student Cell, Anti ragging Cell, Internal Complaint Committee, ED Cell, III Cell, T & P Cell, Library Advisory Committee, Research Advisory Committee, Faculty Development Cell, IQAC, Student Grievance Cell, and Student Mentoring scheme
- Principal is the member secretary of Local Management Committee. In the meetings of LMC various issues are discussed and the necessary resolutions are approved.

6.2.4 Give a broad description of the quality improvement strategies of the Institution for each of the following

Teaching & Learning

- Subject wise Teaching plans are prepared and approved by the HoD and Principal
- Faculty seminars are arranged on the topic related to the allotted subject.
- Teaching material like subject notes, PPTs, NPTEL videos and other e-learning material is kept ready by the respective teachers.
- Laboratory manuals are prepared/updated as per the prescribed syllabus and subject requirements.
- Implementation and monitoring of teaching-learning process is done by academic monitoring committee at central level and department level for effective execution of curriculum.
- Extra classes are conducted for the subjects lagging behind in the syllabus coverage
- After evaluation of internal assessment exam academically weak students are identified and same is communicated to parents, special remedial classes are conducted in the extra hours so as to improve their performance. As well as advanced learners are also identified and motivated to improve their performance by special counseling

- Crash course and performance improvements workshops are conducted at the end of each semester so as to revise the important topics
- Establishment of various cells at college level like T&P, R&D, ED Cell, III Cell, NSS and Student Cell.

Research & Development

- Students and faculty members are encouraged to present their research work in various seminars and conferences and publish their work in various national and international journals of repute.
- Many technical activities are organized at department, college and national level which includes paper & poster presentations, project competition, bread board competition, web designing, clay modeling and bridge making to showcase the technical talents of students to the students and teachers of other colleges.
- Many workshops in collaborations with IIT's are organized which helps in developing scientific temper in students.
- Project evaluation of final year students is done by experts from industry and academia. During their interaction with students they give valuable suggestion and guidance for improvement.
- Faculty members are encouraged to register for Ph D
- Faculty members and students are encouraged to do collaborative research with industry.

Community engagement

On founders day every year we organize the many programs to reach the community.

- Donation of chairs in temples.
- Donation of items of daily needs in old age home.
- Service at old age home under cleanliness drive.
- Conducted the free health check and eye check up camp for the Dipti Signal area of Nagpur.
- Donated spectacles to the needy persons at Dipti Signal Area of the Nagpur.
- Donation of food grains, sound system, carpet at community hall.
- Cleaning of Tajbagh Dargah at Dighori area of Nagpur.

By continuously engaging in the activities of the community we have developed constructive relationship with following institutions.

- Panchwati Old Age Home at Umred Road, Nagpur.
- Deaf and Dumb School, Nagpur.
- Bada Tajbag Dargah, Dighor, Nagpur
- Shitla Mata Mandir, Dipti Signal, Nagpur.
- Madhavbaug Ayurvedic Cardiac Rehabilitation Centre, Nagpur.

Our college conducts many programs under NSS and student cell to empower students from under privileged and vulnerable section of society by educating them on the issues such as Sanitation Awareness, Swachh Bharat Sundar Bharat, Vyasam Mukti Rally, Save Water, Green revolution and Plastic awareness program, Nag River Cleaning program etc.

Human resource management

The college recruits qualified and experienced faculty in their respective fields.

The procedure adopted for recruitment of faculty is as follows:

- Requirement of faculty is prepared and submitted to management for approval to get the NOC from University.
- No Objection Certificate NOC is obtained from University well before the commencement of academic session.
- After receiving the NOC from University, Advertisements are published in news papers like The “Hitavada”, “Lokmat” etc.
- Subject Expert panel is constituted and approved by University.
- Applications are scrutinized and shortlisted candidates are called for interview.
- Department wise interviews are conducted by the University constituted committee.
- The committee recommends the selected candidates to the management for appointment.
- Performance appraisal forms are filled up by the faculties every year and are submitted to Director Office through Principal.
- Annual confidential reports ACR are filled up by respective Heads and Principal and then it is forwarded to Director Office.

Industry interaction

- Few Students of our college are selected by the companies and organizations for live projects. Students carry out the project work in collaboration with these organizations along with the internal guide.
- We have already signed up MoUs with almost 10 industries and organizations.
- III Cell and ED Cell were established with an objective of developing and mentoring the spirit of entrepreneurship among the students. Various activities are conducted throughout the year to create awareness of current and future trends in industries.
- III cell and ED cell are continuously striving for collaborations with different organizations. We are in process of signing up more MoUs with the various industries.
- Few of our faculty members have interacted with Central Power Research Institute, Koradi, Nagpur,

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- The Head of the Institution collects the feedback from students and parents on regular basis and analysis is carried out. The analysis is conveyed to the top management.
- Principal regularly interacts with the staff and students through meetings, visiting the classrooms and laboratories, personal counseling to few students and faculties and collects the feedback informally.
- This feedback is conveyed to the management as and when required.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- Heads of the department are given academic and administrative independence for conduction of effective teaching learning process. They can implement their innovative ideas for the improvement in the performance of the students.
- IQAC coordinator and Dean, Academics of the college has been given the freedom to plan and monitor the academic process implementation and evaluation procedure.
- Faculties can use different teaching methodologies and tools as per their choice and requirement for effective delivery of the curriculum

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The various resolutions made by Management Council in the last academic year (2015-16) are:

- Organization of Junior Talent Hunt for students of junior college
- Organization of college level Sports Meet “ Kridmahotsav”
- Organization of National Level Quiz competition
- Organization of National Level Students’ Event
- Organization Annual Social Gathering for college
- To conduct workshop in association with IIT’s
- To conduct FDPs and ISTE approved STTPs
- Appointment of teaching faculties for the session 2016-17
- Purchase of the equipments required in various departments
- Purchase of books and journals
- Organization of Alumni meet

All the resolutions in the LMC are implemented meticulously by the college and respective departments.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If yes, what are the efforts made by the institution in obtaining autonomy?

Yes, the affiliating University makes a provision for according the status of autonomy to an affiliation institution, if it completes 10 years of existence. Since our college has started in 2007, it will be completing 10 years in September 2017. In view of this college will make every possible effort to be autonomous institute and be accredited by the NBA.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

In college we have established and functioning Greivance Redressal Cell, Antiragging Cell and Internal Complaint Committee. The details of the cells are displayed on the college web site and displayed on the departmental and college notice boards.

Grievances can be communicated to teachers by the students in the mentor meetings conducted by the College. The problems reported by the students are addressed and proper solution is provided by the committee.

The committee analyzes the nature of grievances and suggests the suitable solutions to minimize the grievance.

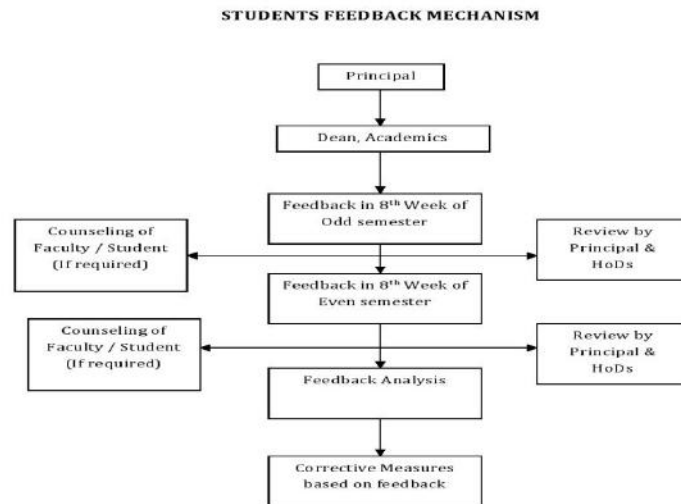
6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No, there are no instances of court cases filed by and against the institute in last four years.

6.2.11 Does the institution have a mechanism for analyzing student feedback on institutional performance? If yes what was the outcome and response of the institution to such an effort?

In the beginning of the semester Principal of the college visits every departments and class. He then collects the oral feedback and suggestions for the improvement in institutional performance. It is then ensured that throughout the semester these suggestions are implemented by the department, faculties and administration.

Regular feedback of the faculties is also collected by the Dean Academics of LTJSS. It is analysed and is sent to the Principal of the college. Depending on the feedback analysis the necessary suggestions for the improvement is given to concerned faculty.



6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

- The teaching faculties are encouraged to attend the STTP, FDP, seminars, and conferences to upgrade their knowledge.
- The duty leaves are sanctioned to the faculty members for attending the STTP, FDP, seminars, and conferences.
- Faculty members are encouraged to publish papers in peer reviewed journal.
- Faculty members are encouraged to develop expertise in the field of interest so that they can share their knowledge with other institutions as resource person.
- Faculty members are encouraged to register for Ph D. The duty leaves and on duty leaves are sanctioned for carryieng out the research work.

- Financial assistance is provided in few cases for publication and attending conferences.
- The college appreciates the efforts taken for collaborative research.
- The college motivates the doctorate faculty to register as a recognized supervisor for Ph D / M E by Research and guide the students.
- To build the organizational capacity of faculty members they are encouraged to organise the national and international conference, workshops, FDPs, seminars etc.
- Computer awareness workshops for non-teaching staff are conducted.
- English speaking classes are conducted for non-teaching staff.
- Librarian is deputed for library training programs at different institutes.
- Registrar of the college is deputed for admission workshops organized by DTE, womens commission etc.
- The scholarship clerk is deputed to attend the seminars organized by social welfare department.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

The college always motivates the faculties to perform their best by interactions and discussions at Principal level and HoD level. The faculty members are appreciated in meeting and duly awarded in various college level programs. The faculties are deputed on regular basis to various training programs outside the campus. College also conducts inhouse FDPs and STTPs to improve the performance of the faculties. The achievements of the faculty are duly recorded in their service book. As performance appraisal is one of the important tools to assess the performance of the faculty through out the year, the faculty members are motivated to upgrade their profile so as to reflect it in their appraisal forms.

The Human Excellence Cell of the Sanstha conducts the faculty empowerment programs like “Quest for Best” and “Mission-10X”.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The newly joined faculty members are made aware about the various formats like the performance appraisal forms, feedback form, ACR form etc. in the beginning of the session itself. The faculty members are encouraged to keep record of all the achievements through out the year so that it can be reflected in their respective performance appraisal form. The information related to academic performance of the faculty like result, feedback is well documented in the department and is provided to the faculty members as and when required.

The faculty members submit the duly filled performance appraisal forms to the the verification committee at college level to verify the contents. The committee may suggest the modifications if required which may result in better appraisal. The forms are then submitted to reporting officer which are Heads of respective departments. After the evaluation of the forms by Heads with proper remarks the forms are forwarded to reviewing officer that is Principal of the College.

The Principal has the authority to make some corrections if required in the Heads evaluation for betterment of faculty appraisal. Finally appraisal forms are submitted to Directors Office for further processing.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The student's feedback is major component in the appraisal form. Student feedback is collected by the Dean Academics at Sanstha level from the college. The analysis of this feedback is done at Sanstha level and is sent to the Principal of the college. Principal of the college then counseled the faculties having low feedback and appreciate the faculties having good feedback. The respective Heads also take the corrective actions in the planning of next semester based on this feedback.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

Following are the welfare schemes available for teaching and non-teaching staff of the college.

- College has group insurance scheme for the staff.
- Facility of Duty leave and on duty leave is provided to the faculties for attending the faculty development programs and conferences.
- Management provides the scheme of fee concession to the wards of the employees to persue education in Sansthas colleges.
- Financial assistance for attending seminar, conferences and publications of research papers in journal is provided.
- The facility of advance against salary is provided to non-teaching staff.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The college continuously strives to attract the eminent faculty by providing various schemes:

- Pay scales as per AICTE and UGC guidelines are offererd to the faculty.

- Financial support for attending conferences and workshops is provided.
- College supports career advancement schemes and promotions.
- The teaching faculties are allowed to attend the STTP, FDP, seminars, and conferences.
- The facility of duty leaves is given to the faculty members for attending the STTP, FDP, seminars, and conferences.
- Faculty members are given financial support to publish papers in peer reviewed journal.
- Faculty members are provided with conducive environment to develop expertise in the field of interest so that they can share their knowledge with other institutions.
- Faculty members are encouraged to register for Ph D.
- The college appreciates the efforts taken for collaborative research.
- The college allows the doctorate faculty to register as a recognized supervisor for Ph D / M E by Research and guide the students.

6.4 Financial Management and Resource Mobilization

6.4.1 What is institutional mechanism to monitor effective and efficient use of available financial resources?

The college has mechanism of preparing the yearly budget by well defined policy. Before the starting of financial year Principal asks the departments, library and office to collect the requirements from their respective faculty and incharges. The Heads of the department prepare their annual budget by considering the requirement of laboratory equipments, softwares, consumable items, R&D expenditure, books, journals, student activities and maintenance expenses. This is then forwarded to Principal Office.

Librarian also collects and receives the books requirements from the department and prepares the annual library budget.

After getting the budget from all the departments and units Principal take the review of it in consultation with HoDs and incharges and prepares the final annual budget. This budget is then forwarded to Dean (Planning & Development) of the Sanstha. Management almost approves the complete budget of the college every year for smooth functioning of the college.

Financial audit is done on annual basis. The physical verification of stock is also carried out on regular basis. The financial power of particular amount is given to the Principal of the college.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Financial audit is done on annual basis. The last financial audit was done on October 2016. No objections were raised during audit.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and reserve fund/corpus available with institution if any.

College is self-financed minority institute, so major part of receipts is through tuition fees from the students. Some part of tuition fees is received through State government scholarship schemes for reserved category students.

The reserved fund is available in college in the form of FDR as on date is approx. **Rs.2,32,00,000/-**. Some funds are available on Sanstha level.

Table 6.1: Income and Expenditure Statement (As per audited statement)

Sr No	Session	Expenditure	Income
01	2015-16	149489783	159293020
02	2014-15	137204397	141799150
03	2013-14	133178053	173679543
04	2012-13	142648858	129919620

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

- College has applied for various funding proposals to AICTE under AICTE Quality Improvement Schemes AQIS in 2016-17. The details of the schemes applied are given in the Table: 3.2.7
- College is offering its services to conduct the various competitive online and offline examinations of the government organizations. Through this significant amount of fund is generated. The details of the exam conducted and fund generated is as given below.
- Through NSS cell the college is also getting some fund from the RTM Nagpur University for conduction of various student related activities.

Table 6.2: Fund generated through various exams.

Sr No	Name of the Online/Offline Examination	Mode of exam	Name of Agency	Total amount generated(College Share)
01	Coal Mines and NISM	Online	Tata Consultancy Services	29460

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02	PGET CET Exam	Online	Tata Consultancy Services	10000
03	IBPS CWE 2013	Online	Tata Consultancy Services	42364
04	Jr Clerk Exam	Offline	Govt	3650
05	Talathi Exam	Offline	Collector Office	3950
06	Mahavitaran Exam 2014	Online	Tata Consultancy Services	30306
07	IBPS CWE Exam 2014	Online	Tata Consultancy Services	29576
08	AIPMT 2014	Offline	CBSE New Delhi	42000
09	GATE 2014	Online	Tata Consultancy Services	170563
10	JEE 2014	Online	Tata Consultancy Services	17141
11	MHCET 2014	Online	Tata Consultancy Services	7613
12	MCA Online Exam	Online	Tata Consultancy Services	8375
13	SIDBI Assistant Exam 2014	Online	Tata Consultancy Services	21083
14	RBI and Mahageneco Exam	Online	Tata Consultancy Services	35955
15	RBI Assistant Exam 2014	Online	Tata Consultancy Services	14920
16	SBI Clerical Exam July-Aug 2014	Online	Tata Consultancy Services	213300
17	MPSC 2014 Online Exam	Online	Tata Consultancy Services	9088
18	JEE 2015	Online	Tata Consultancy Services	20284
19	GATE 2015	Online	Tata Consultancy Services	89610
				74676
Total Fund Generated				8,73,914/-

The generated funds are utilized for:

- Admission counseling process
- For community activities
- Donation for various social activities.

- NSS activities.
- In case of emergency services

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If yes, what is the institutional policy with regard to quality assurance and how has it contributed in Institutionalizing the quality assurance processes?

Yes, the college has established Internal Quality Assurance Cell IQAC.

Table 6.3: IQAC Committee

Sr No	Category	Name	Designation
1	Management	Shri Abhijeet Deshmukh, Director, Lokmanya Tilak Jankalyan Shikshan Sanstha, Nagpur	Member
2	Principal	Dr N K Choudhari	Chairperson
3	Local Society	Dr M P Singh, Principal, Priyadarshini College of Engineering, Nagpur	Member
4		Dr M D Chaudhari, Professor, BDCOE, Wardha, and Dean Coordinator, Faculty of Engg & Technology, RTMNU, Nagpur	Member
5	Industry	Mr Somil Deshmukh, Senior Project Lead, Persistent Systems Pvt Ltd Nagpur	Member
6		Mr Deepak Dhote, Operations Manager, ITNetworkz Nagpur	Member
7	Parent	Mr Hatwar	Member
8		Mr Sharad Palorkar	Member
9	Alumni	Atul Palandurkar, Ancyber Pvt Ltd., Pune.	Member
10		Ms Apoorva Babhulkar, Infosys Pune	Member
11	Senior Teachers	Mr M S Chaudhari, HoD, IT	Member

12		Mr R K Pohane, HoD, Mech	Member
13		Mr R N Patil, HoD, Civil	Member
14		Mr P R Bokade, HoD,EN	Member
15		Ms D M Kate, HoD, EC	Member
16		Mr K N Hande, HoD, CSE	Member
17	Administration	Mr V D Barapatre, Registrar	Member
18	Coordinator	Dr Mrs A R Chaudhari, Dean Academics	Coordinator

Quality Policy:

To initiate, design and execute the processes for improvement of academic excellence at learning and execution levels and continually strive to achieve the highest possible outcome based objectives.

IQAC actively monitors the various academic and administrative activities of the college.

- IQAC coordinator (Dean, Academics) under the guidance of Principal of the college prepares the academic calendar of the college as well as department.
- It monitors the various academic activities like preparation of teaching plan, time table, subject files, lab manuals, attendance registers, online learning material, use of teaching tools etc.
- Academic monitoring committee at college level and department level attends the classes of faculty members and suggest corrective measures, if any.
- Review of syllabus coverage is taken from all head of the departments by the IQAC coordinator every fifteen days. Guidelines are issued to heads to arrange extra classes for the subjects that are lagging behind in syllabus.
- After the assessment of class test papers academically weak and academically bright students are identified and special efforts are taken as per their requirements.
- Crash course and performance improvement workshops are conducted at the end of each semester.
- Students and teachers are encouraged and motivated to participate in various technical activities.
- Faculty members are encouraged to pursue higher education.
- Students and faculty members are motivated to publish their research work in reputed journals.
- Faculty members are encouraged and guided to organize STTPs, FDPs, conferences, workshops at the college level.

- Student attendance is monitored regularly and heads are informed to send the letters to the parents of students having less attendance.

b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

The IQAC suggested few recommendations to the college authorities for improvement in academic process.

- Purchase of softwares for EC/CSE/IT and Mechanical department.
- Up-gradation of language lab by procuring the latest software.
- Procurement of tools required for teaching-learning process such as LCD, scanners, Lab charts.
- Organisation of STTPs/FDP for faculty members of the departments.
- Organization of workshops, seminars and technical events for students.
- Establishment of ED Cell in the college.
- Conduction of college level parents meet.

Maximum suggestions were approved by the authorities and were implemented.



Parent- Teacher Meet

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes, we have few academicians, industry persons and parent as members on IQAC.

- Dr. M D Chaudhari, Dean Coordinator, Faculty of Engg and Technology RTM Nagpur University has visited the college on many occasions and given some valuable suggestions for improvement in the academic and administrative functioning. He has motivated the faculty members to contribute in the syllabus restructuring process of the University.

- Dr M P Singh, Principal, Priyadarshini College of Engg., Nagpur has given many suggestions for improvement in the teaching learning process.
- Mr Somail Deshmukh, Project Lead, Persistent Systems Pvt Ltd Nagpur and Mr Deepak Dhote, Operations Manager, ITNetworkz Nagpur has conducted trainings and technical sessions for the students and teachers. They have suggested to give focus on aptitude development of the students for better placement opportunities and to enhance the industry institute interaction and collaborative research. As a result of this they have conducted project trainee selection drive and selected few students for live projects in their organization.
- Mr Hatwar, a parent member was prominently present in the parents meet conducted at college. He interacted with other parents and briefed them about the important role of parents in aligning the student in desired direction. He assured the other parents that their wards are in very safe hands and they will be well directed and guided in this institute.

d. How do students and alumni contribute to the effective functioning of the IQAC?

- Student gives feedback in every semester on teaching evaluation. This feedback is used as specific inputs to improve the quality of teaching and learning process.
- College has conducted the Alumni meet, in which the feedback related to college performance was requested and particular aspects are considered for implementation.
- As per the feedback of the alumni the academic disciplined culture which was inculcated into them during their tenure in degree program is helping them for their career advancement.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

The Principal of the college conducts the regular meetings with Heads and faculty members. IQAC coordinator conducts the meeting with Heads of the departments and suggests the quality improvement initiatives and guidelines. The IQAC committee comprise of Heads of all the departments in the category of senior teachers. The decisions of the IQAC committee are informed to the faculty members of the different departments through Heads, circular and notices.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If yes, give details on its operationalisation.

Implementation and monitoring of teaching-learning process is done by academic monitoring committee at central level and department level for effective execution of curriculum.

- Academic monitoring committee at college level and department level attends the classes of faculty members and suggest corrective measures, if any.
- The academic monitoring system is implemented in all the departments to balance the lecture conduction and syllabus coverage effectively. If any lagging in coverage of syllabus, the faculty has to cover up the gap by engaging extra lectures. Such teaching strategies are assessed well by the student feedback.
- Academic report (syllabus coverage, student attendance, no of lectures engaged, assignment questions) prepared by HoDs is submitted to Dean, Academics every fifteen days which is then communicated to Principal.
- Various committees and cells are established at college level under the guidance and supervision of the Principal. All the committee in charges and members plan and execute the activities under their cell throughout the year.
- Active cells and committees for the growth, welfare and development of students and staff, such as NSS Cell, Student Cell, Anti ragging Cell, Internal Complaint Committee, ED Cell, III Cell, T & P Cell, Library Advisory Committee, Research Advisory Committee, Faculty Development Cell, IQAC, Student Grievance Cell, Student Mentoring scheme.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If yes, give details enumerating its impact.

Yes, we provide the training to the faculty members for effective implementation by deputing them to different seminars, conferences and workshops. In addition to this the Principal of the college, IQAC coordinator, Heads, Registrar provide guidance and counseling to the faculties. Our policy of quality assurance is communicated to the grass root level in the institute. Our teachers, students and non-teaching staff always strive to follow the quality policy.

One of our faculty members Mr A B Ganorkar has attended ISO auditors training and is a certified ISO auditor. As a outcome of this he has carried out audit of two organizations on behalf of URS India ltd.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If yes, how are the outcomes used to improve the institutional activities?

It is a routine practice of college to conduct the academic audit at the end of each semester. For this committee at central level is constituted to verify all the files, academic documents and laboratory stock. A separate committee is constituted for verification of Library, office and other common amenities. For academic verification standard list of files, registers and other documents is provided to the committee members and respective Heads. The committee carries out the verification at minute level and submits the report to the Principal within stipulated time.

The stock verification is also carried out through our inhouse ERP software. Staff from other institute of the Sanstha also carried out the stock verification. As an outcome of this activity we have identified few parameters for improvement.

- Intermittent document checking should be carried out at Head level
- The equipments in the laboratories should be regularly maintained so as to keep them in working condition.
- The entry of new purchases should be immediately made in the ERP software.
- Store room is provided to every dept to properly arrange and organize the documents of previous years.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The internal quality assurance mechanisms are framed as per the guidelines of regulatory authorities such as AICTE, DTE, RTMNU, NBA and NAAC.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The flowchart indicating the structure and operation of the teaching learning process is given in Figure No:

- Being affiliated to RTM Nagpur University, we follow the academic calendar proposed by the University every year. Based on this academic calendar the college level academic calendar is prepared, stating the commencement date, last working date, schedule for various academic activities, dates for conduction of internal assessment tests and schedule for various co-curricular and extracurricular activities.
- The Heads of various departments prepare departmental academic calendar based on the college academic calendar, which is circulated to staff and students
- Subjects are allotted to teachers as per the choice given, if possible.
- The Time Table is prepared for the semester.

- Subject wise Teaching plans are prepared and approved by the HoD and Principal
- Faculty seminars are arranged on the topic related to the allotted subject.
- Teaching material like subject notes, PPTs, NPTEL videos and other e-learning material is kept ready by the respective teachers.
- Laboratory manuals are prepared/updated as per the prescribed syllabus and subject requirements.
- Implementation and monitoring of teaching-learning process is done by academic monitoring committee at central level and department level for effective execution of curriculum.
- Academic report prepared by HoDs is submitted to Dean, Academics every fifteen days which is then communicated to Principal.
- Extra classes are conducted for the subjects lagging behind in the syllabus coverage
- Monthly attendance of students is displayed so as to keep the check on regularity of students
- After evaluation of internal assessment exam academically weak students are identified and same is communicated to parents, special remedial classes are conducted in the extra hours so as to improve their performance. As well as advanced learners are also identified and motivated to improve their performance by special counseling
- Crash course and performance improvements workshops are conducted at the end of each semester so as to revise the important topics.

As a result of all above steps our college has developed the academically disciplined atmosphere with the good results in University examinations.

Our students are excelling in various cocurricular and extra curricular activities. They are performing well in the training placement activities as well as in campus placements.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders? Any other relevant information regarding Governance Leadership and Management which the college would like to include.

The following efforts are taken to communicate the quality policy of the college to the stakeholders:

- The quality policy is displayed at the main locations of the college.
- It is also communicated through prospectus, printed stationery, departmental display board, auditorium, seminar room and college Magazine.
- It is also displayed on college websites, leaflet and advertisement of the college.

- It is also highlighted in the conferences, workshops and intercollegiate fests, Parent-teacher meet, induction program, alumni meet, Training and placement activities and other important gatherings.

The college has developed a cohesive working culture in the campus where the Principal along with Heads, staff and students works in a team for betterment and upliftment of the college as a whole. This working culture has helped us to earn a good name and reputation within a short span of time.

CRITERION VII: INNOVATIONS & BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Yes, we conduct the green audit of campus as well as other facilities. To save the environment we undertake the various measures at college level. Some of them are discussed below.

1) Tree Plantation and maintenance:

- It is our routine practice to conduct tree plantations in and around college campus.
- NSS cell of our college is very active and organizes tree plantation programs regularly on the occasions of Founders Day, Republic Day, Independence Day, Environmental Day etc.

2) Energy Conservation:

- The Principal, Heads, faculties and students of our college are very much aware about the need of energy conservation.

3) Water Conservation:

- The water wastage is minimized by appropriate measures.
- The potable water is available for drinking purpose.
- Recycled water is utilized for maintaining green campus

4) Solid Waste Management:

- Solid waste generated in the campus is disposed off by dumping it in compost pit.

Table 7.1: Trees planted in last seven years.

Sr. No.	Name of tree	No. of trees
1	Neem	45
2	Delonix Regia	19
3	Combretum Indicum	17
4	Hibidcus	19
5	Dianthus	40
6	Saraco Asoca	27
7	Plumeria	12
8	Banyan	2
9	Ficus Religiosa	2

10	Butea Monosperma	1
11	Ficus Racemosa	3
12	Almond	5
13	Indian Bael	1
14	Baheda, Beach Almond	9
15	Tulsi, Holy Basil	1
16	Vachellia Nilotica	1
17	Alstonia Scholaris	6
18	Bamboo	4
19	Jasmiinum Sambac	2
20	Jatropha	8
21	Coconut	2
22	Mango	7
23	Calotropis	1
24	Red Flower Plant	23
25	White Flower Plant	19

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Energy Conservation:

- The Principal, Heads, faculties and students of our college are very much aware about the need of energy conservation. The students and teachers are motivated to switch off the electrical appliances when not in use.
- Energy audit is carried out at college level to ensure the optimum use of electricity. The various measures are taken to minimize the energy bill.

Use of renewable energy:

- The college is planning to install the solar panels in the campus.

Water Harvesting:

- The campus has developed the rain water harvesting facility, in order to increase the water table, as a part of conservation and preservation of water resource.

Efforts for Carbon Neutrality:

- College is located in the heart of city so student, faculty members and non-teaching staff are encouraged to use the local transport with an

aim to avoid the use of individual vehicles and thus reducing carbon emission.

- The faculty members and students are suggested to check the pollution level of their vehicle for Pollution Control.
- The students and faculty members are encouraged for tree plantation inside and outside the campus.

Plantation:

- The college regularly conducts the tree plantation programs, to make the students aware about the importance of renewable sources of energy.
- Many of our teachers and students are registered as volunteers under “Green Army” – An initiative by state government for massive tree plantation program.

Hazardous waste management:

Some amount of hazardous waste is generated in the Chemistry laboratory. To minimize the hazards

- The chemicals are stored properly.
- Necessary instructions in the laboratory are displayed for safe handling of chemicals.
- The students are provided with dilute solution so as to minimize the waste.
- A separate gas room is constructed for keeping the gas cylinders.

E-waste Management:

- The students and teachers are encouraged to minimize the e-waste.
- Separate dust bins are available on each floor for collection of e-waste.
- Some of the e-waste like hard disk drive, motherboard, mouse etc. is used to develop the computer hardware laboratory.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

Innovations introduced during last four years which have created a positive impact on the functioning of the college is given and discussed below.

Founders Day:

College has started the Founders Day activity to connect with the community and help social awareness issues by various activities. On founders day every year we organize the many programs to reach the community.

- Donation of chairs in temples.

- Donation of items of daily needs in old age home.
- Service at old age home under cleanliness drive.
- Conducted the free health check and eye check up camp for the Dipti Signal area of Nagpur.
- Donated spectacles to the needy persons at Dipti Signal Area of the Nagpur.
- Donation of food grains, sound system, carpet at community hall.
- Cleaning of Tajbagh Dargah at Dighori area of Nagpur.

ERP (Enterprise Resource Planning):

Sanstha has developed inhouse ERP software and it has been continually improving the functioning of this software. The ERP software provides the modules like academic, accounts, stores, student section, maintenance, leave records etc. The software has streamlined many activities at college and department level thereby helping the faculties to keep the records updated centrally at ERP server.

FDP (Faculty Development Programs):

As FDP/STTP plays a very important role in development and upgradation of the faculty, college has a practice of deputing and sending the faculties for FDP/STTP etc. Departments of the college have also conducted the various FDP/STTP.

Student- Mentoring System:

Each department has Student Mentoring system. Each teacher is allocated with a batch of 15 students for personal counseling. The students are encouraged to share their personal problems. Mentor maintains the secrecy of the personal problems and helps the students to handle and come out with a proper solution. It creates a healthy environment to make the students comfortable in the department.

Innovations in employability enhancement of student:

College takes persistent efforts to make the students employable by organizing and conducting skill oriented programs under T&P cell of the college. The programs like personality development, aptitude development, Group discussions, Mock tests and interviews, seminars by industry experts, counseling for abroad studies are conducted. This has the positive impact on the student's personality and is helping the college to improve the placements.

Project evaluation by Expert:

Project evaluation of final year students is done by experts from industry and academia. During their interaction with students they give valuable suggestion and guidance for improvement.

III Cell and ED Cell:

The college has established Industry-Institute Interaction Cell (III) with the objective to evolve educational programs consistent to the requirements of industry and which makes the students capable of coping up with the fast changing technological development and to create adequate awareness to update technical knowledge of graduating students.

The college has also established Entrepreneurship Development Cell (EDC) to facilitate entrepreneurial skills among the students. ED Cell was established with an objective of developing and mentoring the spirit of entrepreneurship among the students. Various activities are conducted throughout the year to create awareness of current and future trends of industries.

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional objectives and/or contributed to the quality improvement of the core activities of the college.

Best Practice 1

1. Title of the Practice: Innovative Teaching-Learning Process

2. Goal

- To maintain good and disciplined academic environment among the students and faculties.
- The basic objective of this practice is innovating the new tools and techniques for effective teaching-learning.
- Keep updating on the knowledge and technical fronts.
- To enhance the academic growth of the college.
- To achieve the desired learning outcome and to make the learning easier
- To inculcate the moral and ethical values among students so that they can play a vital role in the development of society and thereby of Nation.
- To provide the specific strategy for academically weak students and advance learners.

3. The Context

The idea behind the innovative teaching-learning process is to create the student friendly environment in academics. To design and implement this system, the Principal of the college, along with Dean Academics, HoDs and faculties decide the policies at the beginning of the semester. Many activities

like academic calendar, time table, teaching plan, subject files, e-learning material need to be prepared.

The students admitted in the college are from various backgrounds. To bring them in mainstream education system, we at college level need to frame the academic policies which will suit their inclination and help them to perform better. In addition to this engineering education, the demand of practical orientation and technical knowledge is required. For this we need to design and frame the laboratory work, industrial visits and other activities.

4. The Practice

Principal, Dean Academics and HoDs at the beginning of the semester prepare and circulate the academic calendar to students and faculties so that they can plan the academic activities based on schedule given. HoDs take the meeting at the beginning of the semester to distribute the subjects and take review of laboratory preparations, laboratory manual, and subject files.

Faculty seminars are arranged before the beginning of the semester on subject related topic to boost the confidence. Review meetings are conducted at Principal level and department level for syllabus coverage, lectures taken, assignment questions given, practical conducted etc. Based on this meeting, suggestions are given to faculties for improvement, if required.

Remedial classes are conducted for academically weak student and special coaching is given to advanced learners.

Performance of students in internal assessment exam likes Unit Test and sessional is monitored and improvement tests are conducted, if required.

The college has academic monitoring committee at central level and department level. The committee monitors the teaching-learning process by attending the classes of teachers and suggests the improvement if required.

To make the teaching-learning process effective and interactive student seminars are organized, various technical activities are organized at department and college level. The faculty uses the various teaching tools to make the teaching interesting.

Project evaluation of final year students is done by experts from industry and academia. During their interaction with students they give valuable suggestion and guidance for improvement.

If any lagging in coverage of syllabus, the faculty has to cover up the gap by engaging extra lectures. Such teaching strategies are assessed well by the student feedback. Academic report (syllabus coverage, student attendance, number of lectures engaged, assignment questions) prepared by HoDs is submitted to Dean Academics every fifteen days which is then communicated to Principal.

5.Evidence of Success

- As a result of this best practice we are able to achieve the excellent academic environment at department level and college level.
- The University examination result of the college is also reflecting the outcome of this practice.
- Ajinkya Kholkute, was a very irregular student of B.E. I Year. His parents were very much worried about his career. He was properly counseled and made aware of the various evaluation criterions. By implementing the various aspects of teaching-learning process he started attending the classes regularly and performed so well in academics, that he secured First Merit Position in University final year examination.

6. Problems Encountered and Resources Required

The attitude of students and parents towards the implementation of effective teaching-learning process.

The resources required for this practice like faculties, laboratories, library, infrastructure etc is well provided and maintained by the management.

7. Contact details:

Name of the Principal: **Dr. N. K. Choudhari**

Name of the Institution: **Priyadarshini Bhagwati College of Engineering, Nagpur.**

City: Nagpur

Pin Code: 440 024

Work Phone:

Fax: +91 – 712 – 2710283

Website: **www.pbce.ltjss.net**

E-mail: **principalpbcoe@gmail.com**

Mobile: **9823273864**

Best Practice 2

1. Title of the Practice: Soft-Skill Training

2. Goal

- To prepare and orient students for better campus placement.
- To improve the communication skill of the student.
- To inculcate presentation skills in the students.
- To boost the confidence level of the students.
- To make them aware and ready with the industry requirements, corporate culture and it's working.
- To imbibe teamwork and leadership qualities in the students.
- To groom the overall personality of the students.

- To develop core competencies required for the industry such as communication skills and collaboration, leadership, creative thinking and problem-solving skills, personal management, the ability to work in teams or groups and leadership effectiveness.
- To develop general awareness of the facts, forming an opinion, articulating and presenting it in a manner that is appealing to the listener.
- To enhance their knowledge, skills and attitude, so that they become acceptable to the industry.
- To provide personal and professional counseling to students throughout the year.

3. The Context

Most of the engineering students have excellent theoretical knowledge but when it comes to critical thinking, problem-solving, communicating and articulating, they lack basic analytical skills required for a job.

During the last decade, university and colleges around the world have noticed the growing number of students seeking counseling services. The Counseling and Testing Cell (CTC) aims to provide individual, group counseling to assist students and faculty members in addressing their academic and psychological health concerns.

Students may encounter academic, emotional and social concerns at some point. The student may seek counseling for a wide range of issues that may interfere with their daily life activities, some of which may include low academic performance, stress, poor time management, procrastination, anxiety, relationship problem, loneliness, depression, adjustment issues, identity issues and suicidal thoughts. Through proper counseling and guidance the students will recognize their strength and courage which will help them to get aligned in a desired direction.

4. The Practice

Training Modules 2016-17

Level	Year	Course Title	Duration
Level I	1 st Year	Soft Skills Training (SST)	30hrs
Level II	2 nd Year	Employability Enhancement Training (EET)	30hrs

Level III	3 rd Year	Campus Recruitment Training (CRT)	60hrs
Level IV	4 th Year	Campus to Corporate Training (C2C)	12hrs

Counseling to students and faculty is provided throughout the year to solve the personal and professional issues by counselor appointed by Sanstha.

Soft Skills Training (SST) includes:

Soft skills are those basic skills necessary for getting, keeping, and doing well in a job. It aims at overcoming stage fear, developing confidence, communication skills, public speaking skills, setting SMART career Goals, grooming and improving body language.

Employability Enhancement Training (EET) includes:

This training cover topics like: SWOT analysis, Effective Self Introduction, Group Discussions, Team Work, Resume writing, Interview Techniques, FAQs, Mock Interview, Letter and email writing.

Campus Recruitment Training (CRT) includes:

‘Aptitude test’ is the first step of placement drives. It comprise of core skills in the areas of Math, English language, Logic and Data Interpretation. CRT training is about enhancing aptitude through rigorous practice in Quantitative Techniques (QT), Logical Reasoning (LR) and Verbal Abilities (VA).

Campus to Corporate Training (C2C) includes:

This training gives an insight into understanding specific industry needs and preparing students to get ready for it. It includes: IQ, SQ and EQ test, Personality test, Industry specific HR and Technical rounds, Interview mannerism and corporate etiquettes.

5. Evidence of Success

The best practice described above is helping the students to improve communication skill, confidence building, personality development and overall grooming. As a result of this the campus placement of college has significantly improved.

6. Problems Encountered and Resources Required

Creating interest and awareness among students regarding importance of soft skill in their professional career.

The required ICT facilities and soft skill trainer is available at Sanstha level and college level.

7. Contact details:

Name of the Principal: **Dr. N. K. Choudhari**

Name of the Institution: **Priyadarshini Bhagwati College of Engineering, Nagpur.**

City: Nagpur

Pin Code: 440 024

Work Phone:

Fax: **+91 – 712 – 2710283**

Website: **www.pbce.ltjss.net**

E-mail: **principalpbcoe@gmail.com**

Mobile: **9823273864**

Evaluative Reports of the Department B. E. First Year

1. **Name of the department:** B.E First Year
2. **Year of Establishment:** 2007
3. **Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**

Courses offered	Name of the course
UG	B. E. First Year Supporting to all six undergraduate programs.

4. **Names of Interdisciplinary courses and the departments/units involved**

Sr. No.	Interdisciplinary courses	Departments/units involved
1	Engineering Graphics-I (TH + PR) Engineering Graphics-II (PR) Workshop	Mechanical Engineering
2	Basic Civil Engineering (TH) Engineering Mechanics (TH + PR)	Civil Engineering
3	Computational Skill	Computer Science & Engineering

5. **Annual/ semester/choice based credit system (programme wise)**
U.G.- Semester Pattern (Credit based system implemented for first year from 2012)
6. **Participation of the department in the courses offered by other departments**

Sr. No	Name of the course	Department
1	Functional English	Mechanical Engineering, Computer Science & Engineering, Information Technology, Electronics Engineering , Electronics & Communication Engineering
2	Communication English & technical writing (Pr)	Civil Engineering

3	Environmental Studies	Mechanical Engineering, Computer Science & Engineering, Information Technology, Electronics Engineering , Electronics & Communication Engineering
4	Applied Mathematics-III	Mechanical Engineering, Computer Science & Engineering, Information Technology, Electronics Engineering , Electronics & Communication Engineering, Civil Engineering
5	Applied Mathematics- IV	Mechanical Engineering, Electronics Engineering , Electronics & Communication Engineering
6	Discrete Mathematics & Graph Theory	Computer Science & Engineering, Information Technology

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA

8. **Details of courses/programmes discontinued (if any) with reasons:**
Electronics

- The course is discontinued from session 2016-17 due to continuous and drastic fall in admission in electronics engineering course in last 4 years throughout the region & state

9. **Number of teaching posts**

	Sanctioned	Filled
Professors	02	--
Associate Professors	04	01
Asst. Professors	18	23

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)**

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
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1	Dr. (Mrs.) A. R. Chaudhari	MSc. B.Ed Ph.D (Chemistry)	Associate Professor	Inorganic Chemistry	20 Years	Two candidates have been awarded with Ph. D & 03candidates
2	Dr. (Mrs.) A. R. Golhar	MSc. Ph.D (Physics) B.Ed	Asst. Prof	Solid State Physics Digital Electronics	17 Years	
3	Dr. (Ms.) R. A. Nandanwar	MSc. Ph.D (Chemistry) B.Ed	Asst. Prof	Organic Chemistry	14 Years	
4	Dr. A. C. Haldar	M.Sc. , Ph.D. (Chemistry)	Asst. Prof	Organic Chemistry	6 Years	
5	Dr. (Mrs.) Bhavna P. Ilamkar	M.Sc(Physics) Ph.D	Asst. Prof	Conducting Polymer Nano composites	13 Years	
6	Dr. Monita Bedmohta	M.Sc. , Ph.D. (Chemistry)	Asst. Prof	Inorganic Chemistry	4.10 Years	
7	Mr. N. M. Bante	M.Tech (IPS)	Asst. Prof	Power system	15 Years	
8	Mrs. R. S. Shende	MSc. (Math) M.Ed	Asst. Prof	Number Theory	15 Yrs	
9	Ms. U. V. Gaikwad	MSc. (Physics) B.Ed	Asst. Prof	Material Sciences	13 Years	
10	Ms. N. A. Ramtekkar	MSC. (Math) B.Ed M.Phil. Ph.D (persuing)	Asst. Prof	Some problems of Chaplygin Gas as a model for dark	9 Years	
11	Ms. S. A. Bhande	B.E. (Power Electronics) M.Tech (IPS)	Asst. Prof	Power system	10 Years	
12	Mr. A. N. Burile	B.E. (Civil) M.Tech. (Env)	Asst. Prof	Environmental Engineering	9 Years	
13	Mr. R.. K. Bhoyar	B.E. (Mechanical) M.B.A M.Tech.	Asst. Prof	Machine Design	7 Years	
14	Ms. V. M. Atkari	M.A. (English, Economics) M.Ed.	Asst. Prof	Effect of Business Cycle on Current Market Structure	9 Years	
15	Ms. A. M. Sorte	B.E. (Civil) M.Tech. (Env)	Asst. Prof	Environmental Engineering	8 Years	
16	Ms. J.V. Deshmukh	M.Sc. (Math)	Asst. Prof	General Relativity	4.5 Years	
17	Dr. N. M. Matey	B. H. M. S. M.A. (ELT)	Asst. Prof	Christian Mythology	2 Years	
18	Ms. S. N. Ghangare	M. Sc (Maths)	Asst. Prof	Numerical Methods	2.5 years	

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19	Mr. Swapnil Bhadang	B.E(Mech. Engg.)M.Tech (Heat Power)	Asst. Prof	Biomechanics Structure for Human Joints	3 Years	
20	Ms. A. A. Baig	M. Sc (Maths)	Asst. Prof	Real Analysis	3 Years	
21	Mrs. Prachiti P. Lohe	M.Sc(Physics) Ph.D (perusing)	Asst. Prof	Luminescence	2 Years	
22	Ms. S. R. Warkari	M. ScB.Ed	Asst. Prof	Conducting Polymer	2 Years	
23	Mr. C. Potpose	M.A. (English)	Asst. Prof		2 Years	
24	Ms. D.S. Gaikwad	M. Tech. (Heat Power)	Asst. Prof	Heat Power	1 Years	
25	Mr. A. Virani	BBA(Marketing)	Asst. Prof	Marketing	3 Years	

- 11. List of senior visiting faculty** : NIL
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty** : NIL
- 13. Student -Teacher Ratio (programme wise)** : 12 : 1
- 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Supporting Staff		Sanctioned	Filled
Teaching Staff	Lab. Assistant	3	3
	Lab Attendant	3	3

- 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**

Sr. No.	Qualification of Teaching Faculty	Number
1	Ph. D	6
2	Ph. D Pursuing	2
3	M.Sc./M. Tech/ M. E./ M. A.	16

- 16. Number of faculty with ongoing projects from funding agencies and grants received:**
 a) National : Nil
 b) International : Nil
- 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil
- 18. Research Centre /facility recognized by the University:** Nil
- 19. Publications**

a)Publication per Faculty

Sr. No.	Name of Faculty	International Journals	International Conference	National Journal	National Conference
1.	Dr. (Mrs) A.R.Chaudhari	28	6	0	8
2.	Dr. (Mrs) R.A.	8	2	0	4
3.	Dr. A.C. Haldar	3	1	1	0
4.	Dr.(Mrs) A .R. Golhar	8	2	1	1
5.	Prof. U.V.Gaikwad	5	1	0	1
6.	Prof. N. Ramtekkar	3	2	0	3
7.	Prof. A.N. Burile	5	0	0	4
8.	Prof. Arti Sorte	2	1	0	0
9.	Prof. R.K. Bhoyar	8	1	0	0
10.	Prof. N.M.Bante	3	2	0	5
11.	Prof. S. Bhande	2	3	2	0
12.	Dr. N. Matey	2	2	0	0
13.	Prof. V. M. Atkari	0	1	0	1

b) Number of Paper published in Journals and conference During 2011-2017

Department	Session	Publication			
		International Journals	International Conference	National Journal	National Conference
B. E. I Year	2016-17	9	2	1	2
	2015-16	22	7	0	1
	2014-15	14	9	0	4
	2013-14	14	0	1	7
	2012-13	7	3	1	10
	2011-12	11	2	1	2

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **05**

- Monographs : NIL
- Chapter in Books : 01
- Books Edited : NIL

- Books with ISBN/ISSN numbers with details of publishers :
02
- Citation Index

SN	Name of Author/s	Citation Index
1	Dr. (Mrs) A.R.Chaudhary	81
2	Dr. A.C. Halдар	45

- SNIP: NIL
- SJR: NIL
- Impact factor
Impact Factor Range: Min.: 0.49 Max.: 6.931 Average: 3.63
- h-index

S.N.	Name	<i>h-Index</i>
1.	Dr. (Mrs) A.R.Chaudhary	5
2.	Dr. A.C. Halдар	3

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- a) National committees : NIL
 b) International Committees : NIL
 c) Editorial Boards : Yes

Faculties are having membership of professional organization like ISTE, CRSI, IPPTA, IS-CONGRESS.

S.No.	Name of faculty	Name of Journal
1	Dr.(Mrs.)A.R.Chaudhari	Honorary Member in Referee Board for Online International Inter Disciplinary Research Journal(ISSN2249-9598)
2	Dr.(Mrs.)A.R.Chaudhari	Member of Advisory Board for World Research Journal of Chemistry, (Bioinfo Publication)(ISSN 2348-5582)
3	Dr.(Mrs.)A.R.Chaudhari	International Journal of Industrial Chemistry.(Springer online)(ISSN 2228-5547)
4	Dr.(Mrs.)A.R.Chaudhari	Reviewer of Chemistry International –An International Peer reviewed Journal(ISSN 2410-9649)
5	Dr. A. C.Haldar	Reviewer of Herterocyclic Journal of Chemistry(Springer)(ISSN 1943-5193)

6	Dr. A.C.Haldar	Reviewer on International Journal of Applied Sciences(ISSN 2455-4499)
7	Dr. A.C.Haldar	Indian Journal of Pharmaceutical Education and Research (ISSN 0019-5464)
8	Dr. A.C.Haldar	International Journal of modern Trends in Engineering and Science.(ISSN 2348-3121)

22. Student projects: NA

Few faculty member of First year are involved in interdepartmental project as a co guide

- 1) Dr. (Mrs) A.R.Chaudhari
- 2) Dr.(Mrs) A .R. Golhar
- 3) Dr. (Mrs) R.A. Nandanwar
- 4) Dr. A.C. Haldar

23. Awards / Recognitions received by faculty and students

a) Awards / Recognitions received by faculty

Sr. No	Name of Faculty	Name of Award	Academic Year	Organization	Rank/ Status	Event
1	Ms. N. A. Ramtekkar	“Young Relativist Award”	2016-17	DDU Gorakhpur University Gorakhpur	--	National Conference on “ Differential Geometry and its Application” Organized by Department of Mathematics and Statistics
2	Dr. (Mrs.) A. R. Golhar	Who’s who	2015-16	Asia pacific International	--	
3	Ms. U. V. Gaikwad	Who’s who	2015-16	Asia pacific International	--	
4	Ms. U. V. Gaikwad	Best Paper	2014-15	Tulsiram Gaikwad Patil College of Engineering	First	International Conference TECHSCIENTIA
5	Ms. N. M. Matey	<ul style="list-style-type: none"> • Madhavrao Chandorkar Memorial Gold Medal • Late Dr. Jayant Parane 	2013-14	RTMNU Nagpur Univ. Nagpur	Awarded First Merit In First and Second Year M. A. (English Literature)	101th Convocation (20 Feb 2015) of RTMNU Nagpur Univ. Nagpur

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		<ul style="list-style-type: none"> • Gold Medal • Dr. R. N. Roy Gold Medal • Fanindra Bhushan Sen Memoria l Gold Medal • Raghunath Harihar Pingley Memoria l Gold Medal • 36th all India English Teachers Conference Silver Medal • The XX All India English Teachers Conference 1970 Cash Prize 			<p>Received 5 Gold Medals, 1 Silver Medal, 1 Cash Prize</p>	
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b) Awards / Recognitions received by students

S. N.	Name of students	Organizer	Academic Year	Rank/ Status	Event
1	1)Gaurav Vaidya 2)Apurva Bawiskar 3)Bhavesh Khandar	PBCOE	2016-17	First Position Paper Presentation	Addhyayan -2017- National Level Students convention
2	Ms.Atusha Nahatkar	KDK COE Nagpur	2016-17	First Prize	National Level Event FARANHEIT'17 E- Brain
3	1)Ms.Utkarsha Mendole 2)Ms. Revti Zade 3)Ms. Pooja Sharma	PIET, Nagpur	2016-17	Second Prize	National Level Event Nirmiti – 2017 (Paper Presentation)
4	1)Alisha Raut 2)Anjinkya Jain 3)Sumeet Thosar	JLCOE	2016-17	Second Position Paper presentation	National Level Event Techtrix - 2017

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5	1)Alisha Raut 2)Manjiri Channe 3)Mrunali Barde	DBACER, Nagpur	2016-17	Third Prize	Intercollegiate Technical event Nimbus 2017 Rasayan Tantra
6	1)SamtaDhole 2)Anushka Dakre 3)Aparna sahu	PIETE, Nagpur	2015-16	Third Position	NCOAT-NIRITI- 2016ANational Conference on advaned tech.
7	1)Anjali Tidake 2)Priyanka Sonule	PIETE, Nagpur	2015-16	First Position	NCOAT-NIRITI- 2016ANational Conference on advaned tech.
8	Pranjali Nasare	PBCOE ,Nagpur	2014-15	Winner	Badminton competition (single)-sports meet “KRIDA MAHOTSAV”
9	Jinish S. Rachh	KDCOE, Nagpur	2014-15	2 nd Position	‘AMPLIFIA-2K15’ A National event line follower
10	Jinish S. Rachh	IIT, Delhi	2014-15	Level 3	RO-15BO-ZEST’15- International Robotics - Championship
11	Chaudatta Bante	Kurukshetra University Rajasthan	2014-15	76 th Rank (National Level Event)	Archery- National Level Competition
12	Dipankar Shinde	Kurukshetra University Rajasthan	2014-15	89 th Rank (National Level Event)	Archery- National Level Competition
13	Chetan Gurnule	Cricket Championshi p 2014-15 at Panipath, Hariyana	2014-15	Runner Up (National Level Event)	National level Cricket Championship
14	Swarup Thete	PBCOE, Nagpur	2014-15	2 nd Position	ROBOZEST-15-An International Level Robotics Championship workshop conducted by Robospecies technologies private limited in association with sportech’15, IIT Delhi

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15	Anjali Pandey	PCE ,Nagpur	2014-15	2 nd Prize	ELOQUENCE – A National Level Debate competition -
16	Pawan Satpute	KDKCE, Nagpur	2014-15	2 nd Position	Line follower- A National level event
17	1)Vaibhav Hood 2)Pawan Satpute	PBCOE , Nagpur	2014-15	2 nd Position	ROBOZEST-15-An International Level Robotics Championship workshop conducted by Robospecies technologies private limited in association with sportech'15, IIT Delhi, accredited by international accreditation organization, houston , USA.
18	Kundan Nagpure	PCE, Nagpur	2014-15	3 rd Position	RESONANCE competition –A national level model making competition
19	1)Parul Gajimwar 2)Tamanna Choudhary 3)Rakshanda Dharmik 4)Ashwini Mahajan	PCE ,Nagpur	2014-15	1 st Position Paper presentation	UNNATI -15 National conference of students on explorations in engineering &technology
20	Aksahay Pardesi	PBCOE ,Nagpur	2014-15	Winner	Chess competition-sports meet “KRIDA MAHOTSAV”
21	Davinder Singh	PBCOE ,Nagpur	2014-15	Winner	Badminton competition (single)-sports meet “KRIDA MAHOTSAV”
22	Pravin Singh	PBCOE, Nagpur	2013-14	Winner	Apps Fluxus 2014 (National Android Apps Championship W/S)
23	Shantanu Udapure	PBCOE, Nagpur	2013-14	Winner	Apps Fluxus 2014 (National Android Apps Championship

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					W/S)
24	Mehul Balsaraf	PBCOE, Nagpur	2013-14	Winner	W/S on Android

24. List of eminent academicians and scientists / visitors to the department

Sr. No.	Name of Eminent Academician/ Scientist/ Visitors	Designation	Organization	Date of Visit	Nature of Visit
1	Dr. M. D. Choudhari	Coordinator & Dean, Faculty of Basic Sciences & Humanities RTM Nagpur University, Nagpur	Bapurao Deshmukh College of Engineering, Sewagram	18/7/16	Chief Guest in STTP on “Recent trends in Engineering material”
				15/3/16	Chief Guest in “Abhyuday-2016” National Level Quiz competition
2	Dr.(Mrs) P.S. Sawadh	Prof. Dept of Physics, BDCOE, Wardha	Bapurao Deshmukh College of Engineering, Sewagram	18/7/16	Seminar on Nonmagnetic Materials in Engineering Applications
3	Dr. D. Battalwar	Buisness Head,	SMS Envocare Ltd, Nagpur.	18/7/16	Seminar on Solid Waste & Management
4	Dr. A. V. Maldhure	Scientist	NEERI, Nagpur.	18/7/16	Seminar on Refractory Ceramics
5	Mrs. Anuradha Koteswar	Managing Director	Alpha Industries, Nagpur.	19/7/16	Seminar on Recent Trends in Adhesives
6	Dr. Mangesh Madurwar	Asst. Prof Dept. of Civil Engg,	VNIT, Nagpur.	19/7/16	Seminar on Building Materials
7	Dr.(Mrs) S. A. Pande	Asso. Prof., Dept. of Physics,	LIT, Nagpur.	19/7/16	Seminar on Polymeric Materials & Composites
8	Dr. Poornima Karandikar	MBBS, MD(Med), DNB(Med), DNB(Neuro)	‘SAMARPAN’ Hospital & Research Institute,	20/7/16	Seminar on Splash-mini (EQ workshop)

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		Consultant Neurologist	Nagpur.		
9	Dr. D. R. Peshwe	Prof., & Head, Dept. of Metallurgical & Materials Engg.	VNIT, Nagpur.	20/7/16	Seminar on Nanomaterials
10	Mr. A. K. Barlewa	AGM	Ash Utilization, Mouda Super Thermal Power Station, Nagpur	20/7/16	Seminar on Utilization of Fly Ash
11	Dr. K. G. Rewatkar	Prof., Dept. of Physics,	Dr. Ambedkar College, Nagpur.	21/7/16	Seminar on Nanoscience & Nanotechnology-Future
12	Dr. S. P. Singh	Principal Scientist & Officer Incharge CSIR	Central Institute of Mining & Fuel Research, Nagpur.	21/7/16	Seminar on Coal: The backbone of energy in India
13	Dr. R. M. Jugade	Asso. Prof, PGTD Chemistry,	RTMNU, Nagpur.	21/7/16	Seminar on Electrochemical Sensors
14	Dr. J. D. Ekhe	Prof. & Head, Dept. of Chemistry	VNIT, Nagpur..	22/7/16	Seminar on Synthesis & Applications of Zeolites
15	Dr. S. Mandavgane	Asso. Prof. Dept of Chemical Engg.	VNIT, Nagpur.	22/7/16	Seminar on Biomass Waste Valorization
16	Dr. Leena Gahane	Asso. Prof, Dept. of Physics	Anjuman College of Engg. & Tech. Nagpur.	22/7/16	Seminar on Plastic & Polymer: Handling Technically & Socially
17	Dr. P. R. Ugwekar	Professor, Dept. of Chemical Engg.	LIT, Nagpur	22/7/16	Chief Guest in STTP on "Recent trends in Engineering material"
18	Shri Kaustav M. Chatterjee	Head Operations,	Reva Enviro Systems Pvt. Ltd., Nagpur & Co-founder Green Vigil Foundation	28/2/15	Chief Guest in "Abhyuday-2015" National Level Quiz competition

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19	Dr. V. M. Tangde	Asst. Professor	RTMNU, Campus Nagpur	12/02/14	Addhyayan Natioal Level students convention Judge(Poster Competition)
20	Dr. Sharmistha Kulkarni	Obstetrician & Gynecologist	MGIMS, Sewagram	12/12/13	HIV Awareness Program
21	Dr. Sanjay Sood	Consulting Physician	PDMC, Amrawati	12/12/13	HIV Awareness Program

25. Seminars/ Conferences/Workshops organized & the source of funding:

- a) National
- b) International

Sr. no	Seminars/ Conferences/Workshops	Date of event	National/ University Level/ College Level	Source of Funding
1	STTP on “Recent trends in Engineering material”	18/7/16 to 22/7/16	University Level	Self financed
2	Workshop on “Santilli’s new Mathematics for 21 st century sciences”	6/04/2013	University Level	R. M. Santilli’s Foundation, palm Harbor, florida, USA.

26. Student profile programme/course wise:

Sr No	Academic Year	Name of the Programme	Application Recd	Enrolled	Enrolled		Pass Percentage	
					Male	Female	Odd Sem	Even Sem
01	2016-17	I Yr BE	As the admission process is governed by DTE. The rules and regulations of	282	177	105	48.17%	
02	2015-16	I Yr BE		251	136	115	48.37%	50.60%
03	2014-15	I Yr BE		212	136	76	60.29%	50.30%
04	2013-14	I Yr BE		336	220	116	49.2%	50.8%

27. Diversity of Students

Year	Name of Course	% of students from same State	% of students from other State	% of students from Abroad
2016-17	I Yr BE	276/282=97.87%	6/282=2.13%	0%
2015-16	I Yr BE	245/251=97.6%	6/251=2.39%	0%

2014-15	I Yr BE	211/212=99.52%	1/212=0.47%	0%
2013-14	I Yr BE	326/336=97.02	10/336=2.97%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA

29. Student progression: NA

30. Details of Infrastructural facilities a) Library

S N	Infrastructure facility	Details Related to B.E. I Yr Dept.	Numbers Available
1	College Library: Total Area: 1214.01 sq.	Book Titles/Volumes	371/1759
		IEL online journals (e-Journal Package)	308
2	Departmental Library	Books	136

b) Internet facilities for Staff & Students

The Campus is Wi-Fi enabled

Staff- Internet facility available in the department

Student- Computer Center Lab

c) Class rooms with ICT facility : Language Lab, Computer Centre Lab

The teaching aids available with the department are

No. of LCD Projectors: 1

- Each classroom / Tutorial room is equipped with Green board an all laboratories are provided with green board to explain the concept related to practical
- The Classroom is equipped with good quality of furniture to accommodate strength of around 60 students.
- Each Room is located with good air circulation, good lighting and the ambience is good.
- Seminar Hall is equipped with an audience capacity of 120. Seminar hall is provided with Projector, Sound system, Dias with Podium and necessary furniture is available.

d)

Laboratories

Sr. No.	Name of Laboratory	Total Area in Sq. Mtr	Total Cost of Equipment
1	Applied Chemistry	205.29	4,96,215
2	Engineering Physics	201.6	705389
3	Basic Electrical Engg.	201.2	347118.625
4	Engineering Mechanics	244.46	83938

5	Workshop	262.69	492565.04
6	Language Lab	133.42	659150

31. Number of students receiving financial assistance from college, university, Government or other agencies

Sr. No.	Category	No. of Student
2016-17	SC	57
	ST	7
	OBC	151
	NT	14
	SBC	22
	EBC(OPEN)	30
	Minority Scholarship	--
	College Level	21
2015-16	SC	49
	ST	0
	OBC	133
	NT	11
	SBC	22
	EBC(OPEN)	42
	Minority Scholarship	--
	College Level	40
2014-15	SC	36
	ST	2
	OBC	118
	NT	12
	SBC	12
	EBC(OPEN)	32
	Minority Scholarship	--
	College Level	--
2013-14	SC	66
	ST	1
	OBC	177

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	NT	14
	SBC	12
	EBC(OPEN)	70
	Minority Scholarship	--
	College Level	--

32. Details on student enrichment programme (special lectures / workshops /seminar) with external experts:

Sr. No.	Name of Guest Lecture / Expert Lecture	Date of event	Expert	National/University level/ college level
1	Guest Lecture On Road Safety & Traffic Rule Awareness	04/2/17	Mr. R. Rewatkar Traffic Officer	College Level
2	“Abhyuday-2016” National Level Quiz competition	15/03/16	Dr. M. D. Chaudhary Coordinator, Basic Sciences RTM Nagpur University, Nagpur	National Level
3	Guest Lecture Mental Hygiene by Diya Foundation	20/2/16	Dr. Rakhi Mundhada	College Level
4	Seminar on Hypnotism	8/10/15	Mr. Gaikwad, Hypnosis Center	College Level
5	“Abhyuday-2015” National Level Quiz competition	28/02/15	Mr. Makarand Dixit T & P Head LTJSS	National Level
6	“Abhyuday-2015” National Level Quiz competition	28/02/15	Shri Kaustav M. Chatterjee Head Operations, Reva Enviro Systems Pvt. Ltd., Nagpur & Co-founder Green Vigil Foundation	National Level
7	HIV Awareness Program	12/12/13	1)Dr. Sarmista Kulkarni Obstetrician & Gynecologist, MGIMS, Sewagram 2)Dr. Sanjay Sood Consulting Physician PDMC, Amrawati	College Level

			3) Dr. Rajesh Ballal Chairman, Health Education Association of Medical Faculties 4) Dr. Rajesh Sighania President AMT 2013- 14	
--	--	--	--	--

33. Teaching methods adopted to improve student learning:

1. Effective class room teaching with experienced and qualified faculty.
2. Use of Projector/PPTs while discussing difficult topics.
3. Solving university questions in tutorial classes.
4. Continuous evaluation through class Test, assignment and sessional exam.
5. Conduction of improvement test.
6. Conduction of remedial classes for weak students.
7. Conduction crash course at the end of semester
8. Motivating the students to participate in various state and national level technical events such as paper presentation, poster competition, project exhibitions etc
9. Model solution of university question papers are discussed and solved in the class. Question bank is provided on the university pattern paper.
10. Faculty is encouraged to attend workshops/ conference in order to enhance their technical skill and keep themselves updated with the current technologies.
11. Feedback is a key tool which is essential for continuous improvement in the quality of teaching learning process. The feedback is taken from students and parents in order to implement their suggestion.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr. No.	Academic Year	Name of the Activity	No. of students participated	Venue
1.	2016-17	Tree Plantation	6	PBCOE& sai Mandir
2.		Swacha Bharat Rally	8	PBCOE(Ramana Maroti)
3.		Traffic Rule Awareness Program	200	PBCOE

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4.		Cashless India campaign	10	PBCOE
5.		Save Water Save Planet Rally	9	PBCOE(Ramana Maroti)
6.		Adult Education	135	PBCOE
7.		Blood Donation	2	PBCOE
1	2015-16	Blood Donation Camp	4	PBCOE
2		Guest Lecture Mental Hygiene by Diya	200	PBCOE
3		Tree Plantation	10	PBCOE
4		Hypnotism Program	75	PBCOE(MR.GAIKWAD, HYPNOSIS CENTER)
5		Adult Education	201	PBCOE
6		Swacha Bharat Sundar Bharat	10	Bada Taj bagh,Nagpur
1.	2014-15	Adult Education	169	PBCOE
2.		Tree Plantation	10	PBCOE
3.		Swacha Bharat Sundar Bharat	8	Bada Taj bagh,Nagpur
4.		Shramdan	10	Panchawati Ashram,Nagpu
1	2013-14	Blood Donation Camp	4	PBCOE
2		Tree Plantation	5	PBCOE
3		Save Nag River	4	Trivenni Sangam ,Neat Sita Burdi,Nagpur

35. SWOC analysis of the department and Future plans

Strengths:

1. Well qualified, experienced, motivated, dedicated faculty.
2. Six faculties with Ph.D.
3. Well equipped laboratories & furnished classroom
4. Highly disciplined academic environment.
5. Adequate infrastructure.

6. Student centric teaching learning Process
7. Active student forum – Spandan
8. Good team work.

Weaknesses:

1. Lack of funded research projects.
2. Lack of consultancy services
3. Lack of patents filed
4. Insufficient interaction with scientist from research institutions.

Opportunities

1. To enhance industry institute interaction through collaborative activities.
2. To enhance R&D activities through grants under various funding schemes.
3. To work in interdisciplinary areas/projects.
4. To be amongst first three engineering colleges in the region with respect to first year results

Challenges

1. To create the inclination of XII appeared students for engineering education
2. To fulfill the sanction intake of first year.
3. To keep students upgraded with the latest developments in the Industry.
4. To keep faculty updated with latest technology.

Future plans of the department

1. To start consultancy services in collaboration with nearby industries
2. To get funds from various funding agencies.
3. To file patents on the findings of research work by faculty members.
4. To publish more papers in international journals of repute.
5. To increase number of rank holders in university Examination.
6. Adoption of emerging technologies in curriculum delivery.
7. Development of faculty expertise in identified thrust Areas
8. To organize international conference.

Department of Computer Science & Engineering

1. Name of the department:
 - **Computer Science & Engineering**
2. Year of Establishment:
 - **Established in the year 2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):

Name of the Program	Year of establishment
UG	2007
PG	2011

4. Names of Interdisciplinary courses and the departments/units involved:

S.N.	Names of Interdisciplinary courses	Departments Involved
1.	Applied Mathematics III	B.E. I Year Department
2.	Discrete Mathematics Graph Theory	B.E. I Year Department
3.	Digital Circuits and Fundamentals of Microprocessor	Electronics & Communications Engineering
4.	Environmental Studies	B.E. I Year Department
5.	Data Communication	Electronics & Communications Engineering
6.	Functional English	B.E. I Year Department

5. Annual/ semester/choice based credit system (programme wise):

S. N.	Course	Credit System
1	UG	Semester Pattern Credit Based System
2	PG	Semester Pattern Choice Based Credit System

6. Participation of the department in the courses offered by other departments:

S.N.	Names of Interdisciplinary courses	Departments Involved
1.	Computational Skill	B.E. I Year Department

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2.	Computer Application II	Mechanical Engineering
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7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NO**
9. Number of teaching posts:

Post	UG		PG	
	Sanctioned	Filled	Sanctioned	Filled
Professors	1	NIL	1	0
Associate Professors	2	NIL	1	0
Asst. Professors	9	12	1	3

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Prof.K.N.Hande	BE(CT), MTech. CSE	Assistant Professor	Cryptography and Network Security	17 Years	Nil
Prof.A.A.Nikose	BE(CT) ,ME (WCC)	Assistant Professor	Wireless Communication and Computing Networking	12 Years	Nil
Prof. D.B.Khadse	BE(IT) ME(WCC)	Assistant Professor	Wireless Sensor Network Computer System Security	8.6 years	Nil
Prof. D.P.Radke	BE(CT) ,ME (WCC)	Assistant Professor	Wireless Communication and	6 yrs	Nil

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Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
			Networking		
Ms. S. Chaflekar	M.Tech. CSE	Assistant Professor	Wireless Sensor network security	2 Yrs	Nil
Prof.V.Gaikwad	BE(CE) ,ME(MT)	Assistant Professor	Mobile Technology, Cloud Computing ,Network security	5 yrs	Nil
Prof.S.S.Wankhede	BE(IT),ME(WCC)	Assistant Professor	Computer science and Engineering ,Database Management System ,Data Warehousing Mining	4 yrs	Nil
Prof.D.V.Jamthe	BE(IT) ,ME(WCC)	Assistant Professor	Wireless Sensor Network Computer System Security, Computer Network	11.6 Years	Nil
Ms. P. B. Tumsare	M.Tech CSE	Assistant Professor	Computer Network	4 Years	Nil
Ms.P.G.Gomase	BE(IT), MTech. (IT)	Assistant Professor	Wireless Sensor Network Analysis of Algorithm	3 years	Nil
Ms. M. H. Mate	BE(CT) ,ME (WCC)	Assistant Professor	Computer Science & Engineering	1 years	Nil
Mrs. K. G. Manihar	M.Tech CSE	Assistant Professor	Data Mining	3 Years	Nil
Ms. A. S Khanorkar	M.Tech CSE	Assistant Professor	Data Mining	3 Years	Nil

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Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D./M.Phil. students guided for the last 4 years
Ms. K. S. Matey	M.Tech CSE	Assistant Professor	Computer Security	3 Years	Nil
Ms. A. S. Talmale	M.Tech CSE	Assistant Professor	Computer Security	5 Years	Nil

11. List of senior visiting faculty: **NIL**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : **NIL**
13. Student -Teacher Ratio (programme wise):

Year	UG	PG
	Teachers	Teachers
2016-17	15:1	5 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Technical Staff	2	2
Laboratory Attendant	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. :

Sr. No	Qualifications of Teaching faculty		Number
1.	M. Tech. / M. E.	UG	12
	M. Tech. / M. E.	PG	3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**
18. Research Centre /facility recognized by the University: **NO**
19. Publications:

* Publication per faculty

Name of Faculty	Journal Publications		Conference Publications		Total
	International	National	International	National	
Mr. K. N. Hande	23	--	05	--	28
Ms. A. A. Nikose	11	--	04	01	16
Mr. D.B.Khadse	03	--	01	--	4
Mr.V. P.Gaikwad	04	--	02	03	9
Ms. D P. Radke	04	--	03	--	7
Ms. S. S. Wankhede	06	--	03	02	11
Mr. D. V. Jamthe	04	--	02	04	10
Ms. P.B. Tumsare	02	--	--	02	4
Ms. P.G. Gomase	04	--	02	--	6
Ms. M H. Mate	--	--	02	02	4
Total	61	00	24	14	99

b) Number of papers published in peer reviewed journals (national/International) by faculty and students

Number of papers published by faculty:

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	05	-	-	-	05
2015-16	19	-	04	01	24
2014-15	15	-	02	01	18
2013-14	12	-	04	02	18
2012-13	07	-	10	06	23
2011-12	03	-	04	04	11
Total	61	00	24	14	99

* Number of papers published by Student:

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	03	--	--	03	06
2015-16	29	--	02	13	44
2014-15	36	--	09	--	45

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2013-14	24	--	4	02	30
2012-13	17	--	2	--	19
2011-12	--	--	--	--	--
Total	109		17	18	144

- * Number of publications listed in International Database (E.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **01**
- * Monographs : **NIL**
- * Chapter in Books : **NIL**
- * Books Edited : **NIL**
- * Books with ISBN/ISSN numbers with details of publishers : **NIL**
- * **Citation Index:**

SN	Name of Author/s	Citation Index
1.	Mr. K. N. Hande	65
2.	Mr. D. V. Jamthe	06
3.	Mr. V. P. Gaikwad	01
4.	Mr. D. B. Khadse	01

- * SNIP: **NIL**
- * SJR: **NIL**
- * Impact factor

Impact Factor Range: Min.: 0.52 Max.: 6.017 Average: 3.2560

- * h-index

S.N.	Name	<i>h-Index</i>
1.	Mr. K. N. Hande	4
2.	Mr. D. V. Jamthe	1
3.	Mr. V.P.Gaikwad	1
4.	Mr. D. B. Khadse	1

20. Areas of consultancy and income generated:

Sr. No.	Name of the Consultancy Project	Duration	Completed By	Name of Agency	Total amount generated
1.	Academia-Electronic Test System	From 13/06/2016 To 02/02/2017	Prof. K. N. Hande	IT NetworkZ Infosystems Pvt. Ltd	Rs. 15000/-

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				Nagpur	
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21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards :
 Faculties are having memberships of professional bodies like ISTE, IE(I)

Sr No	Name of Faculty	Name of Conference in which working as advisory committee member	Date and Venue of Conference	Date of Registration	Organized By
01	K N Hande	International conference on Recent trends, Emerging issues in Science, Engineering, Environment and Technology (ICRESE ET).	08-09 April 2017 Goa India	24.02.2017	IFERP
		Name of Journal in which working as reviewer	Reviewer ID	Date of Registration	ISSN No
		International Journal of Engineering Research and Technology IJERT	IJERTREW2035	24.02.2017	2278-0181

22. Student projects

UG PROJECTS: B.E.		
a. Percentage of students who have done in-house projects including inter departmental/programme	94.11%	
b. Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	Joint Project	NIL
	Industrial Co-guide	NIL
	Industry based projects	5.88%
	Interdisciplinary projects	NIL
	Within institute co-guide	NIL

PG PROJECTS: M.Tech.		
a. Percentage of students who have done in-house projects including inter departmental/programme	100%	
b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	Joint Project	NIL
	Industrial Co-guide	NIL
	Industry based projects	NIL
	Interdisciplinary projects	NIL
	Within institute co-guide	NIL

23. Awards / Recognitions received by faculty and students:

a) Awards / Recognitions received by faculty: **NIL**

b) Awards/Recognitions received by Students:

Sr. No.	Name of Students	Organizer	Academic Year	Rank/ Status	Event
1.	Vaishnavi Karne	Priyadarshini Bhagwati College of Engineering, Nnagpur	Session 2016-17	Second	Bridge Designing event in National Level Event ADDHYAYAN
2.	Suhasini Manapure	Priyadarshini Bhagwati College of Engineering, Nnagpur	Session 2016-17	Second	Bridge Designing event in National Level Event ADDHYAYAN
3.	Apurva Badwaik	Priyadarshini Bhagwati College of Engineering, Nnagpur	Session 2016-17	First	LAN Gaming Counter Strike in National Level Event ADDHYAYAN
4.	Harsh Tiwari	Priyadarshini Bhagwati College of Engineering, Nnagpur	Session 2016-17	Second	LAN Gaming NFS in National Level Event ADDHYAYAN

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5.	Vidya Wankhede	Priyadarshini Group of Institutions, Nagpur	Session 2016-17	Runner-up	UDDAN 17.0 National level Inter Engineering Sport Meet-Chess
6.	Ms. Harsha Kawale	Priyadarshini Group of Institutions, Nagpur	Session 2016-17	Runner-up	UDDAN 17.0 National level Inter Engineering Sport Meet-Chess
7.	Ms. Pallavi Walke	Priyadarshini Group of Institutions, Nagpur	Session 2016-17	Runner-up	UDDAN 17.0 National level Inter Engineering Sport Meet-Chess
8.	Charudutta Bante	DBACER, Nagpur	Session 2016-17	Second	Pick N Place in the national level technical convention IMPETUS-2k16
9.	Charudutta Bante	Scating Association of Maharashtra	Session 2016-17	Third	27 th M.S. Roller Skating Championship Speed Skating Road Elimination
10.	Chetan Deo	Asso. Of Indian Universities New Delhi	Session 2016-17	Third	Folk Orchestra
11.	Chetan Deo	Asso. Of Indian Universities New Delhi	Session 2016-17	First	Group Song(Indian)
12.	Chetan Deo	Asso. Of Indian Universities New Delhi	Session 2016-17	Second	Group Song(Indian)
13.	Chetan Deo	Asso. Of Indian Universities New Delhi	Session 2016-17	Third	Folk Orchestra
14.	Charudatta Bante	A-Zee Sports Academy & Jai Hind Ekta Krida Mandal Manish Nagar Nagpur	Session 2016-17	Second	Compound Round Archery Game
15.	Ms. Poonam Kabra	Smt. Kaushalya		Best Paper Award	First International

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		Devi Maheshwari Mahila Mahavidyalaya, Nagpur, Mah, India	Session 2015-16		Conference on Research in Intelligent Computing in Engineering
16.	Charudatta Bante	A-Zee Sports Academy & PBCOE, Nagpur	Session 2015-16	Second	A-Zee Indoor Archery Championship
17.	Nikita Bhujade	Dr. Babasaheb Ambedkar COE , Nagpur	Session 2015-16	Second	PAINTLUST IN IMPETUS-2K16 “ A National Level Technical Convention”
18.	Parul Gujimwar	Dr. Babasaheb Ambedkar COE , Nagpur	Session 2015-16	Second	PAINTLUST IN IMPETUS-2k16 “ A National Level Technical Convention”
19.	Apurva Badwaik	PBCOE, Nagpur	Session 2015-16	First	Counter Strike In LAN Gaming In “ADDHYAYAN”
20.	Samruddhi Wankhede , Amit Kumar Mishra	PBCOE, Nagpur	Session 2014-15	Winners	2 Days Linux Workshop At PBCOE conducted By VBM Technologies Pvt Ltd In Association With Electirical Engg. Society, IIT, Delhi
21.	Ekta Charde	PIET, Nagpur	Session 2014-15	Secured 2 nd Position	IN-TECH PROTOCOL2 014 (In Event Named Campus Marathon) PIET, Nagpur
22.	Shashank Morekar	Govindrao Wanjari College Of Engg. And Tech.	Session 2014-15	Secured 2 nd Position	Intercollegiate Solo Singing Competition Aalap-The

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					Musical Talent Hunt
23.	Charudatta Bante	Maharashtra Archery Association	Session 2014-15	Third	5th Maharashtra State Indoor Archery Championship -Overall
24.	Charudatta Bante	Maharashtra Archery Association	Session 2014-15	Second	5th Maharashtra State Indoor Archery Championship -Single Spot
25.	Charudatta Bante	Maharashtra Archery Association	Session 2014-15	First	5th Maharashtra State Indoor Archery Championship -Mix Spot
26.	Charudatta Bante	Maharashtra Archery Association	Session 2014-15	Third	5th Maharashtra State Indoor Archery Championship -Five Spot
27.	Dhanashri Wathulkar	PIET,Nagpur	Session 2014-15	2nd Round Appeared	Campus Marathon, "IN-TECH PROTOCOL-2014
28.	Monali Taywade	PIET,Nagpur	Session 2014-15	2nd Round Appeared	Campus Marathon, "IN-TECH PROTOCOL-2014
29.	Ravindra Kumar A. More	SRPCE; Nagpur	Session 2013-14	First	Project Competition
30.	Rahul Gharpinde	SRPCE; Nagpur	Session 2013-14	First	Project Competition
31.	Nikhil Gardas	SRPCE; Nagpur	Session 2013-14	First	Project Competition
32.	Samruddhi Wankhede	PBCOE; Nagpur	Session 2013-14	First	Poster Competition, event

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33.	Samruddhi Wankhede	KDKCOE; Nagpur	Session 2013-14	First	Poster Competition
34.	Sneha Tatode	PBCOE; Nagpur	Session 2013-14	First	Poster Competition
35.	Sneha Tatode	KDKCOE; Nagpur	Session 2013-14	First	Poster Competition

24. List of eminent academicians and scientists / visitors to the department:

Sr. No.	Name of eminent academician/ scientist / visitor	Designation	Organization	Date of Visit	Nature of Visit
1.	Mr. S. Deshmukh	Senior Technical Lead	Persistent Pvt. Ltd. ,Nagpur	21-01-17 , 13-12-17 to 17-12-17	Seminar, STTP Expert.
2.	Mr. D. Dhote	Operations Manager	IT-NetworkZ Infosystems Pvt. Ltd.,Nagpur	17-01-2017	Seminar
3.	Mr. Atul Palandurkar	Director,	An-Cyber Pvt. Ltd, Pune	22-07-14	Expert Lecture
4.	Dr. M. B. Chandak	Professor & Head of CSE Department ,	RCOEM, Nagpur	13-12-17	Chief Guest of STTP on Big Data Analytics and Hadoop Technology.
5.	Mr. E. Vardarajan	Director,	IT-Networkz Infosystems Pvt Ltd.,Johannesburg, South Africa	07/04/2016	As Visit to College under MoU, with IT-Networkz Infosystems Pvt Ltd.Nagpur
6.	Dr. R. S. Pande	Principal	RCOEM,	27-02-2015	Chief

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			Nagpur		Guest at National Level Event Anusadhan
7.	Dr. M. S. Kadu	Professor & HOD,Civil Engineering Deptt.	RCOEM, Nagpur	02-03-2013	Chief Guest at National Level Event ANUSADHAN
8.	Mr. Rupesh Shende	Professional Trainer & Director , RS eBusiness Solutions Pvt. Ltd.	RS eBusiness Solutions Pvt. Ltd.,Nagpur	03/08/2013, 15/02/2017	Guest Lecture

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National b) International:

Sr. No.	Name of seminar/conference/workshop	Date of event	National/University level/college level	Source of funding
1.	STTP on Big Data Analysis and Hadoop Technologies	13-12-2017 to 19-12-2017	University level	Self Financed

26. Student profile programme/course wise: : UG: **B.E in C.S.E.**

Sr No	Academic Year	Name of the Programme	Application Recd	Enrolled	Enrolled		Pass Percentage	
					Male	Female	Odd Sem	Even Sem
01	2016-17	I Yr BE	As the admission process is governed by DTE. The rules and regulations of DTE are	63	24	39	92.06	NA
		II Yr BE		68	18	50	50.74	NA
		III Yr BE		50	19	31	80	NA
		IV Yr BE		68	25	43	91.17	NA
02	2015-16	I Yr BE	As the admission process is governed by DTE. The rules and regulations of DTE are	63	19	44	53.96	63.33
		II Yr BE		53	16	37	49.05	75
		III Yr BE		71	25	46	77.46	87.32
		IV Yr BE		46	18	28	71.74	91.36

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03	2014-15	I Yr BE	followed in the admission process.	36	13	23	58.33	60
		II Yr BE		74	25	49	50.68	59.72
		III Yr BE		48	18	30	66.66	60.41
		IV Yr BE		60	22	38	87.79	100
04	2013-14	I Yr BE		55	21	34	54.54	62.96
		II Yr BE		65	30	35	20.31	44.61
		III Yr BE		70	33	37	61.97	61.76
		IV Yr BE		54	26	28	87.03	96.29

Student profile programme/course wise: M. Tech. [CSE] :PG

Sr. No	Academic Year	Name of the Programme	Application Recd	Enrolled	Enrolled		Pass Percentage	
					Male	Female	Odd Sem	Even Sem
01	2016-17	I Yr M.Tech.	As the admission process is governed by DTE. The rules and regulations of DTE are followed in the admission process.	NIL	NIL	NIL	NA	
		II Yr M.Tech.		13	1	12	NA	
02	2015-16	I Yr M.Tech.		17	2	15	64.70	75
		II Yr M.Tech.		16	1	15	100	
03	2014-15	I Yr M.Tech.		18	2	16	77.77	88.23
		II Yr M.Tech.		16	3	13	100	
04	2013-14	I Yr M.Tech.		18	3	15	86.66	85.71
		II Yr M.Tech.		16	1	15	100	

*M = Male *F = Female

27. Diversity of Students: **B.E. in CSE**

Year	Name of Course	% of students from same State	% of students from other State	% of students from Abroad
2016-17	B.E. CSE	77.4%	22.58%	0%
2015-16	B.E. CSE	85.02%	22.04%	0%
2014-15	B.E. CSE	92.3%	7.69%	0%
2013-14	B.E. CSE	96.77%	3.22%	0%

M.Tech. in CSE

Year	Name of Course	% of students from same State	% of students from other State	% of students from Abroad
2016-17	M.Tech. CSE	100 %	0%	0%
2015-16	M.Tech. CSE	100 %	0%	0%
2014-15	M.Tech. CSE	100 %	0%	0%
2013-14	M.Tech. CSE	100 %	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr No	Name of Exam	Academic Session	Number of Students appeared	No of students qualified	Qualified Student name
01	GATE	2016-17	13	NA	NA
		2015-16	12	1	Shubham Itankar
		2014-15	14	NIL	NIL
		2013-14	25	2	Pranay Jaiswal Rahul Gharpinde
02	GRE	2016-17	1	1	Mehul Balsaraf
		2015-16	02	02	Pranav Shrikhande, Vaibhav Suryavanshi
		2014-15	NIL	NIL	NIL
		2013-14	1	1	Ajinkya Gourkar
03	CAT/CET	2016-17	Nil	Nil	Nil
		2015-16	Nil	Nil	Nil
		2014-15	1	1	Samrudhi Lambat
		2013-14	Nil	Nil	Nil
04	CMAT	2016-17	NII	Nil	NII
		2015-16	Nil	Nil	Nil
		2014-15	Nil	Nil	Nil
		2013-14	2	Nil	Ritesh Adulkar, Shashwat Raut

29. Student progression:

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Student progression	Against % enrolled		
	2015-16	2014-15	2013-14
UG to PG	0 %	0 %	9.25%
PG to M.Phil.	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL
Employed			
• Campus selection	52.17%	23.33%	9.25 %
• Other than campus recruitment	9.52%	19.56%	34.69%
Entrepreneurship/Self-employment	NIL	1.66%	NIL

30. Details of Infrastructural Facility

a) Library

S. N .	Infrastructure facility	Details Related to CSE Dept.	Numbers Available
1	College Library: Total Area: 1214.01 sq.	Book Titles/Volumes UG	606 /2453
		Book Titles/Volumes PG	101/515
		IEL online journals (e-Journal Package)	DELNET
		Journals (Print + Online)	6
		NPTEL Videos	14
2	Departmental Library	UG	20

b) Internet facilities for Staff & Students:

* The college campus is WI-FI enabled.

- * The department is having internet facility for the staff members and for the students also.
- * The internet speed is 35 mbps and all the departmental laboratories are connected with LAN.

c) Class rooms with ICT facility:

The teaching aids available with the department are

- No. of LCD Projectors: 1
- Each classroom / Tutorial room is equipped with Green board and all laboratories are provided with green board/white marker to explain the concept related to practical.
- The Classroom is equipped with good quality furniture to accommodate strength of around 60 students.
- Each Room is located with good air circulation, good lighting and the ambience is good.
- Seminar Hall is equipped with an audience capacity of 120. Seminar hall is provided with Projector, Dias with Podium and necessary furniture is available.

d) Laboratories: B.E. Computer Science & Engineering

Sr. No.	Name of Laboratory	Total Area in Sq. Mtr.	Total Cost of equipments
1.	Programing Language Lab	70 Sq. Mtr	Rs.6,61,191=00/-
2.	Computer Network Lab	70 Sq. Mtr	Rs.5,85,000=00/-
3.	DBMS Lab	70 Sq. Mtr	Rs.4,43,405=00/-
4.	Computer Workshop Lab	70 Sq. Mtr	Rs.4,84,243=00/-
5.	Project Lab	70 Sq. Mtr	Rs.4,79,805=00/-
6.	Digital Circuits Lab	66 Sq. Mtr	Rs.5,24,57=00
7.	Microprocessor Lab	90.84 Sq. Mtr	Rs.1,41,824=00/-
8.	Computer Hardware Lab	70 Sq. Mtr	Nil
9.	Computer Centre	150 Sq.Mtr.	Rs.9,77,699=00/-

M.Tech. Computer Science & Engineering:

Sr. No.	Name of Laboratory	Total Area in Sq. Mtr.	Total Cost of equipments
1.	M.Tech CSE Lab	70 Sq. Mtr.	Rs.3,51,00=00/-

31. Number of students receiving financial assistance from college, university, Government or other agencies:

Sr. No.	Academic Year	Category	No. of Students
---------	---------------	----------	-----------------

01	2016-17	SC	43
		ST	01
		OBC	118
		NT	06
		SBC	14
		EBC(OPEN)	15
		Minority Scholarship	04
		College Level	06
02	2015-16	SC	42
		ST	1
		OBC	111
		NT	4
		SBC	12
		EBC(OPEN)	12
		Minority Scholarship	05
		College Level	16
03	2014-15	SC	34
		ST	01
		OBC	98
		NT	05
		SBC	11
		EBC(OPEN)	08
		Minority Scholarship	03
		College Level	NIL
04	2013-14	SC	32
		ST	01
		OBC	112
		NT	06
		SBC	09
		EBC(OPEN)	05
		Minority Scholarship	00
		College Level	NIL

M.Tech. CSE

Sr. No.	Academic Year	Category	No. of Students
1.	2013-14	GATE Stipend	01
2.	2014-15	GATE Stipend	01

32. Details on student enrichment programmes (special lectures/workshops /seminar) with external experts:

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Sr. No.	Name of seminar/conference/workshop	Date of event	Expert	National/University level/ college level
1.	National Level Event ADDHYAYAN-2017	18/03/2017	Mr. D. A. Borikar, SRCOEM, Nagpur, Judge for Paper Presentation, CSE/IT Track, Mrs. A Dehankar, PCE, Nagpur, Judge for Software Project Competition.	National Level
2.	National IT Aptitude test conducted by NIIT, Nagpur	18/02/17	Mr. Amogh Chitnis, Technical Head, Mr. Ashish BDE, NIIT Nagpur	National Level
3.	Guest Lecture on Open Source Development- PHP Based Framework.	15/02/17	Mr. Rupesh Shende, Professional Trainer and Director of R S e Business Solutions Pvt. Ltd. Nagpur.	College Level
4.	Seminar on How to Prepare for Campus Placement Drive of Persistent Pvt. Ltd Nagpur and In General.	21/01/2017	Mr Somil Deshmukh, Technical Lead, Persistent Pvt Ltd.	College Level
5.	Two Days Workshop on Java Frameworks- Hibernate & Struts	19/01/2017 to 20/01/2017	Mr. Anup Pardhi, Technical Lead, IT-NetworkZ Infosystems Pvt.Ltd. Nagpur	College Level
6.	Sponsored Project Trainee Selection Test Drive	18/01/17	Ms. Snehankita Fadanvis, IT-NetworkZ Pvt Ltd Nagpur	College Level
7.	Guest Lecture on Emerging Trends in Information Technology	17/01/2017	Mr. Dipak Dhote, Operations Manager, IT-Networkz	College Level

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			Infosystems Pvt Ltd.	
8.	Seminar on Web Page Development (.net)	17/01/17	Ms. Hemlata Jawanjal, IT-NetworkZ Pvt Ltd Nagpur.	College Level
9.	Guest Lecture On Latest Trends In Information Technology	23/07/16	Mr. Dipak Dhote, Operations Manager, IT-Networkz Infosystems Pvt Ltd.	College Level
10.	Guest Lecture On Java Applications In Software Development	19/07/16	Mr. Amogh Chitnis, Diretor Beyond Doubts, Nagpur	College Level
11.	Project Drive for III year Students by IT-NetworkZ Private Limited.	21-03-16	Ms. Snehankita Fadanvis, IT-NetworkZ Pvt Ltd Nagpur	College Level
12.	National Level Event ADDHYAYAN	19-03-2016	Judge of Paper Presentation of CSE/IT Track Dr M.S .Khatib, Professor & Head CSE Deptt, ACET, Nagpur Judge for Software Project Competition Prof A M Kuthe, Head CSE/IT Deptt, SRMCOE, Nagpur	National Level
13.	Two Days Boot Camp on” Devices And Connectivity” Clean code Application Development”	04 th and 5 th March 2016	Mr Anup Pardhi, Ms. Hemlata Jawanjal, IT-Networkz Infosystems Pvt Ltd Nagpur.	University level
14.	Guest Lecture “Emerging Trends in Information Technology”	20-02-16	Mr. Tejas Pateliya, Software Developer ,Delaplex, Nagpur	College Level
15.	One Day	08-09-15	Mr. Chandan Kumar	College Level

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	Workshop on Computer Networks		, &Mr. Harshal Duragkar, Lead Trainer and Network Engineer, Concourse Pvt. Ltd.,Nagpur	
16.	One Day Workshop on Web Application Development	10-08-15	Ms Hemlata Jawanjai ,Mr Sachin Meshram, Corporate Trainer, and Network Engineer, IT-Networkz , Nagpur	College Level
17.	One Day Workshop on Windows Application Development	06-08-15	Mr. Deepak Dhote, Ms. Hemlata Jawanjai, Operations Manager ,and Corporate Trainer, IT-Networkz, Nagpur	College Level
18.	National Level Software & Hardware Project Competition “ANUSANDHAN”	27-02-2015	Prof. A. M. Kuthe, Head, SRMCOE, Nagpur For PROYECTO-Software & Hardware Project Competition. Mr. R. S. Shende, Director Rse Solutions Nagpur For CODEATHON-C Coding Competition	National Level
19.	Two Days workshop on Linux :08-09 September-2014 and National Linux Security Championship - 2015 in Association with IIT Delhi and VBM	08 & 09 September -2014	Mr. Bakul Dutt and Mr. Abhishek Vyas, Senior Research and Lead Trainer, VBM Technologies Pvt Ltd.	University level

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	Technologies.			
20.	Expert Lecture on Ethical Hacking and Cyber Security	1/09/14	Mr. Manoj Rai , Director Network Hub Nagpur	College Level
21.	Expert Lecture on “How to Prepare aptitude and technical for the campus placement of Persistent Company”	22-07-14	Mr. Atul Palandurkar, Director An Cyber ,Pune	College Level
22.	Guest Lecture on “Career Opportunity in IT Industry”	13-07-14	Mr. Manish Kumar Singh, Microsoft IT Academy Trainer, B.E., MBA (MIT Pune)	College Level
23.	National Level Event ADDHYAYAN	12 & 13 Feb-2014	Judge for Paper Presentation of CSE/IT track , Mr S N Dagadkar, BDCOE, Nagpur and Judge for Software Project Competition , Mr M M Goswami ,RG CER, Nagpur	National Level
24.	Two Days Workshop on Android in Association with IIT Roorkee and Finland Labs.	03 and 04 Jan 2014	Mr Vishal Kumar and Mr Ravi Kumar, Finland Labs	University level
25.	Two Days workshop on Ethical Hacking & Cyber Security in association with TECHFEST , IIT Bombay and Wegilant Net Solution ,	23 rd & 24 th December 2013	TECHFEST , IIT Bombay and Wegilant Net Solution , Mumbai	University Level

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	Mumbai			
26.	Expert Lecture on “Fibre to Home and Broadband Services”.	22-08-13	Mr. Shrikant Dongare, SDE,RTTC, Nagpur	College Level
27.	Expert Lecture on “Advanced PhP Professional”.	03-08-13	Mr Rupesh Shende, Director RSE Solutions, Nagpur	College Level

33. Teaching methods adopted to improve student learning:

- Effective class room teaching with experienced and qualified faculty.
- Use of Projector/PPTs while discussing difficult topics.
- Use of NPTEL videos for different subjects.
- Solving university questions in tutorial classes.
- Organizing guest and expert lecture on recent topics to make students aware of recent technologies in the field of Computer Science.
- Continuous evaluation through Class Test, Assignment and Sessional exam.
- Conduction of remedial classes for weak students.
- Motivating the students to participate in various State and national level technical events such as Paper Presentation, Bread Board Competition, Project Exhibitions etc.
- Student’s feedback is taken once in the mid semester to introduce innovative teaching and learning methodologies.
- Answers of Questions asked in University Question papers are discussed and solved in the class. Question bank is provided consisting of university questions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Sr. No.	Academic Year	Name of the Activity	No. of students participated	Venue
1	2016-17	Vruksha Dindi	6	Organized by Nagpur
2		Tree Plantation	29	PBCOE,Nagpur & sai Mandir

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3		Swacha Bharat Rally	29	PBCOE(Ramana Maroti),Nagpur
4		Traffic Rule Awareness Program	29	PBCOE,Nagpur
5		Donate Organ rally	4	Organized by Nagpur
6		Donate for Education	6	Walmiki Balsadn Anathalaya
7		State Level Student Conference	6	VasantRao Deshpande Hall
8		Blood Donation Camp	29	PBCOE,Nagpur
9		Cashless India Campaign	29	PBCOE,Nagpur
10		Voter Awareness Rally	6	Organized by Nagpur
11		Save Water Save Planet Rally	29	PBCOE,Nagpur (Ramana Maroti)
1.	2015-16	Blood Donation Camp	19	PBCOE,Nagpur
2.		Tree Plantation	19	PBCOE,Nagpur
3.		Waste Collection Program	19	Raja Baksha Temple,Nagpur
4.		Shramdan	19	Bada Taj bagh,Nagpur
5.		Hypnotism Program	19	PBCOE(MR.GA IKWAD,HYPN
1.	2014-15	Green Revolution & plastic Awareness	32	PBCOE,Nagpur
2.		Vysan Mukti Vakhyan	32	PBCOE (Divine India Youth
3.		Tree Plantation	32	PBCOE,Nagpur
4.		Sanitation Awareness	32	PBCOE,Nagpur
5.		Swacha Bharat Sundar Bharat	32	Bada Taj bagh,Nagpur
6.		Shramdan	32	Panchawati Ashram,Nagpu
7.		Spirutual lecture	32	Gaytri Pariwar,Nagpur

1	2013-14	Blood Donation Camp	6	PBCOE,Nagpur
2		Sahaj Yoga Dhyan	6	PBCOE (Vishva Shanti Group)
3		Tree Plantation	6	PBCOE,Nagpur
4		Fuel Saving Program	6	Medical Square,Nagpur
5		Sport Activity for Deep & Dumb	6	Saraswati Vidya Mandir Shankar
6		Quiz & Sport Competation for	6	Orphan School ,LakadGanj,Nag
7		Save Nag River	6	Trivenni Sangam ,Neat Sita
8		Jivan Jeene Ki Kala	6	PBCOE,Nagpur (By

35. SWOC analysis of the department and Future plans:

Strengths:

- Well Qualified, Experienced, Motivated and young Faculty.
- Well Equipped Laboratories.
- Highly disciplined academic environment.
- Adequate Infrastructure.
- Student Centric Teaching Learning Process.
- Enthusiastic students.
- Active Student Forum – TECHNODIAZ.
- The active involvement of Alumni.
- Centrally located institute well within city.

Weaknesses:

- Students with rural background.
- No faculty with PhD.
- Less interaction with industry expert.
- Comparatively lesser consultancy and software development opportunities.
- No faculty with industrial experience.

Opportunities

- Enhance Industry Institute Interaction through collaborative activities.
- Enhance R&D activities through grants under various funding schemes.
- Offer more industry oriented professional courses.
- Leader in providing quality engineering education.
- To increase the placements.

- More industry and live project support for students.

Challenges

- To keep students upgraded with the latest developments in the Industry.
- To increase placement of students in software companies.
- To keep faculty updated with latest technology.
- To motivate students for self employment.
- To increase university rank holders.

Future plans of the department

- Encourage faculty for acquiring higher qualifications.
- Development of e-Resources.
- Adoption of emerging technologies in curriculum.
- More efforts on preparing students for higher studies and entrepreneurship.
- Development of faculty expertise in identified thrust areas.

Department of Electronics & Communication Engineering

1. Name of the department: Electronics & Communication Engineering

2. Year of Establishment: 2007

3. Name of Programs with Year of Establishment

Name of the Program	Year of Establishment
UG – B.E. Electronics and Communication Engineering	2007
PG- M.Tech. Electronics Engineering (Communications)	2014

4. Names of Interdisciplinary courses and the departments/units involved

Sr. No	Name of Interdisciplinary Courses	Department Involved
1	Applied Mathematics III (T)	Department of B.E.I Year
2	Object Oriented Programming and Data Structures (T+P)	Department of Information Technology
3	Network Analysis and Synthesis (T)	Department of B.E.I Year
4	Applied Mathematics IV (T)	Department of B.E.I Year
5	Power Devices and Machines (T+P)	Department of B.E.I Year
6	Environmental Studies (T)	Department of B.E.I Year
7	Industrial Economics and Entrepreneurship Development (T)	Department of B.E.I Year
8	Control System Engineering (T)	Department of B.E.I Year
9	Functional English (T)	Department of B.E.I Year

5. Annual/ semester/choice based credit system (programme wise)

S. N.	Course	Credit System
1	UG	Semester Based Credit System
2	PG	Choice Based Credit System

6. Participation of the department in the courses offered by other departments.

Sr. No	Course name (Subject name)	Department
1	Mechatronics (T)	Department of Mechanical Engineering

2	Digital Circuits and Fundamentals of Microprocessors (T+P)	Department of Computer Science and Engineering
3	Digital Electronics and Fundamentals of Microprocessor (T+P)	Department of Information Technology
4	Data Communication (T)	Department of Information Technology
5	Data Communication (T)	Department of Computer Science and Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc : Nil

8. Details of courses/ programmes discontinued (if any) with reasons.:
Nil.

9. Number of teaching posts

	UG		PG	
	Sanctioned	Filled	Sanctioned	Filled
Professors	1	0	1	0
Associate Professors	2	NIL	1	0
Asst. Professors	9	12	2	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.

Name	Qualification	Designation	Specialization	Number of years of Experience	Number of Ph. D. Students guided in the last four years
Dr. N. K. Choudhari	M.Tech , Ph. D.	Principal	Electronics Engineering	26 Years	6
Ms. D. M. Kate	M. Tech	Head of Department	VLSI	10 Years	-

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Ms. P. V. Gawandwe	M. Tech	Assistant Professor	Communication	6 Years	-
Ms. S. S. Dhanvijay	M. Tech	Assistant Professor	Communication	8 Years	-
Mr. A. D. Landge	M. Tech	Assistant Professor	Electronics Engineering	5 Years	-
Mr. M. R. Gupta	M. Tech	Assistant Professor	Communication Engineering	3.5 Years	-
Mr. S. M. Lichade	M. Tech	Assistant Professor	VLSI	6 Years	-
Ms. A. P. Thakre	M. Tech	Assistant Professor	Digital Communication	5.5 Years	-
Ms. T. U. Pathan	M. Tech	Assistant Professor	Electronics Engineering	5.5 Years	-
Ms. A. S. Pathan	M. Tech	Assistant Professor	Communication Engineering	7 Years	-
Ms.N. Bhadade	M. Tech	Assistant Professor	Electronics (Communication)	3 Years	-
Ms.O. Durugkar	M. Tech	Assistant Professor	Electronics (Communication)	6 Months	-
Ms.P. Pataki	M. Tech	Assistant Professor	Electronics (Communication)	6 Months	-
Ms.M. Dantulwar	M. Tech	Assistant Professor	Electronics (Communication)	6 Months	-
Ms. S.B. Milmile	M. Tech	Assistant Professor	Electronics (Communication)	3 Years	-
Mr.R. Patil	M. Tech	Assistant Professor	Electronics (Communication)	6 Months	-
Ms.U. Banpurkar	M.Tech	Assistant Professor	IPS	6 Months	

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise) :

Year	UG	PG
2016-17	13 : 1	6 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Technical Staff	3	3
Lab Attendant	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr No	Qualifications of Teaching faculty	Number
01	Ph D	1
02	Ph D Submitted	1
03	Ph D Pursuing	0
04	M Tech / M E	15

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

a) Publication per faculty

Name of Faculty	Journal Publications		Conference		Total
	International	National	International	National	
Ms.Dr.N.K. Choudhari	48	10	39	19	116
Ms. D. M. Kate	09	---	05	02	16
Ms. P. V. Gawande	05	---	03	--	08

Ms. S. S. Dhanvijay	03	---	04	03	10
Mr. A. D. Landge	06	01	03	01	11
Mr. M. R. Gupta	03	---	01	06	10
Mr. S. M. Lichade	02	---	02	---	04
Ms. A. P. Thakare	03	---	01	---	04
Ms. T. U. Pathan	04	---	03	01	08
Total	83	11	61	32	187

2 Number of Paper published in Journals and conference During 2011-2017

a) Publication by faculty

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	17	---	---	---	17
2015-16	21	01	05	02	29
2014-15	05	---	05	01	11
2013-14	04	01	04	01	10
2012-13	11	01	13	08	33
2011-12	06	01	07	02	16
Total	64	04	34	14	116

b) Publication By Student

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	09	-	-	20	29
2015-16	13	-	1	84	98
2014-15	-	-	-	08	08
2013-14	-	-	-	08	08
2012-13	-	-	-	-	-
2011-12	-	-	-	-	-
Total	22	-	1	120	143

Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :

- * **Scopus :-12**
Monographs : NIL
- * **Chapter in Books: NIL**
- * **Books Edited: NIL**
- * **Books with ISBN/ISSN numbers with details of publishers: NIL**
- * **Citation Index**

SN	Name of Author/s	Citation Index
1.	Dr. N. K. Choudhari	81

- * **SNIP: NIL**
- * **SJR: NIL**
- * **Impact factor**
Impact Factor Range: Min.: 0.19 Max.: 6.03 Average: 3.11
- * **h-index**

S.N.	Name	<i>h-Index</i>
1.	Dr. N. K. Choudhari	05

20. Areas of consultancy and income generated: Nil

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards :

Faculties are having memberships of professional bodies like ISTE, IE(I)

Sr No	Name of Faculty	Name of Journal in which worked as Editorial Board Member	ISSN No
01	Dr. N. K. Choudhari	International Journal of computer networks and communication	Online:0974-9322 Print : 0975 - 2293
02	Dr. N. K. Choudhari	International Journal of Information Technology Convergence and Services	Online:2231-153x Print : 2231 - 1939
03	Dr. N. K. Choudhari	International Journal of Wireless and Mobile Networks	Online : 0975 – 3834 Print : 0975 - 4679

22. Student projects:

UG PROJECTS: B.E.		2016-17
c. Percentage of students who have done in-house projects including inter departmental/programme		100%
d. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	Joint Project	NIL
	Industrial Co-guide	NIL
	Industry based projects	NIL
	Interdisciplinary projects	31.48 %
	Within institute co-guide	NIL

PG PROJECTS: M.Tech.		2016-17
c. Percentage of students who have done in-house projects including inter departmental /programme		100%
d. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	Joint Project	NIL
	Industrial Co-guide	NIL
	Industry based projects	NIL
	Interdisciplinary projects	7.14 %
	Within institute co-guide	NIL

23.Awards / Recognitions received by faculty and students

By Faculty

Sr. No	Name of Faculty	Name of Award	Organization	Rank/St atus	Event

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1		Best Principal	By Rashtasant Tukadoji Maharaj Nagpur University, Nagpur		
2		Best Principal	By the economic for Health and Education Growth, New Delhi		
3		VIDYA RATAN	By the economic for Health and Education Growth,		
4	Mayank Gupta	Best paper Award	Shri Datta Meghe Polytechnic, Nagpur	Best paper	AICTE sponsored National Conference On Advanced Communication And Matlab, NCACM 2014

By Student

Sr. No	Name of Students	Organizer	Academic Year	Rank/Status	Event
1	Tushar Kalode	SRMCEW	2015-16	1 st position	Techkiran 2016
2	Kunal Kamble	SRMCEW	2015-16	1 st position	Techkiran 2016
3	Rohini Thorat	PBCOE	2015-16	2ND POSITION	Addhyayan 2016
4	Ekta	PBCOE	2015-16	2ND POSITION	Addhyayan 2016
5	Reena	PBCOE	2015-16	2ND	Addhyayan 2016

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	Aglawe			POSITI ON	
6	Rasika Chincha maltpure	RGCOE	2015-16	2ND POSITI ON	Catalyst 2016
7	Tushar Deotare	RGCOE	2015-16	2ND POSITI ON	Catalyst 2016
8	Ankita Dokarma re	RGCOE	2015-16	2ND POSITI ON	Catalyst 2016
9	Khiraj Umredka r	RGCOE	2015-16	2ND POSITI ON	Catalyst 2016
10	Rasika Chincha maltpure	IT Networkz	2015-16	IT Scholar ship Award	IT Networkz Scholarship
11	Tushar Deotare	IT Networkz	2015-16	IT Scholar ship Award	IT Networkz Scholarship
12	Ankita Dokarma re	IT Networkz	2015-16	IT Scholar ship Award	IT Networkz Scholarship
13	Khiraj Umredka r	IT Networkz	2015-16	IT Scholar ship Award	IT Networkz Scholarship
14	Tushar V. Kalode	KDKCE Nagpur	2014-15	1 st Positio n	Circuitary-Electrofest 2015
15	Samiksha Hatwar	PBCOE Nagpur	2014-15	2 nd Positio n	Robo League Competition Technophilia Indo US Robo League, PBCOE Nagpur
16	Roopal Rewatkar	PCOE Nagpur	2014-15	1 st Positio	Skit Competition SPANDAN, Techno

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				n	cultural Fest
17	Roopal Rewatkar	PBCOE Nagpur	2014-15	2 nd Position	Paper Presentation Competition ANUBHUTI, PBCOE Nagpur
18	Aarti Mungle	COET Nagpur	2014-15	3 rd Round winner	BLIND C Competition TECHTRENDS 15, S
19	Indrajeet Kumar	ACOE Nagpur	2014-15	1 st Position	Paradigma Competition
20	Nagesh Revatkar	SCET Nagpur	2014-15	WON ROUND 2	Blind C Competition TECHTRENDS 2015, SCET Nagpur.
21	Tikeshwari Nakade		2014-15	1 st Position	Rangoli Competition Techno Cultural FEST 11
22	Sanket Kathale	PCOE Nagpur	2014-15	3 rd position	Elocution Competition Spandan 14,
23	Dheeraj Kumar	PBCOE Nagpur	2014-15	1st rank	Bread board competition ASCONIC, PBCOE Nagpur
24	Prathamesh Khanzode	SCOET Nagpur	2014-15	2nd Position	Bread Board Competition TECHTRENDS 15, SCOET Nagpur
25	Rasika Wanjari	PBCOE Nagpur	2014-15	1 st position	Addhyayan paper presentation competition.

24. List of eminent academicians and scientists / visitors to the department.

Sr. No	Name of eminent	Designation	Organization	Date of Visit	Nature of Visit
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	academic ian/scient ist/visitor				
1	Mr. Satish Vaidya	Regional Manager(central India),.	Prolific Systems & Technologies Pvt	20/01/2017	Guest Lecture
2	Mr. Nilesh Vartak	D-Link Certified Trainer	D-Link (India) Ltd Andheri (East) Mumbai - 400059	19/12/2016	For STTP
3	Mr. J. Pagare	Manager, <i>D-Link</i>	D-Link (India) Ltd Andheri (East) Mumbai - 400059	20/12/2016	For STTP
4	Mr. Vishwajeet Singh Rana	Technical Head,	Entrench Electronic Pvt. Ltd, Delhi	23/08/2016	For Android Development Workshop
5	Mr. A. Sahu	Hardware Manager	Oracle Corporation, Santa Clara, California	18/07/2016	Guest Lecture
6	Mr. Kashinath Joshi	Co-Ordinator	Integrated Circuited & Information Technology Pvt.Ltd	14/03/2016	Guest Lecture
7	Mr. Sagar Shinde	RF Engineer,	<i>EM & Microwave Division</i> , Ni2 Designs, Pune.	28/02/2016	For Antenna Design Workshop
8	Mr. Dhananjay Magar	Application Engineering ,	<i>EM & Microwave Division</i> , Ni2 Designs, Pune.	27/02/2016	For Antenna Design Workshop

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9	Mr. Deepak Dhote	Operations Manager	IT NetworkZ	11/09/2015	Guest Lecture
10	Mr. S.S. Shriramwar	Professor	PCE, Nagpur	26/06/2015	For STTP
11	Mr.S. S. Sharma	Associate Professor	JIT,Nagpur	26/06/2015	For STTP
12	Mr Shrikant Atkarne	Sr. Application Engg.	NI Logic PVT. LTD.,Pune	25/06/2015	For STTP
13	Mr. Rajesh Kondawar	Director	EDAS Technologies	23/06/2015	For STTP
14	Mr. Jilani Sayyad,	Assistant Professor	Lokmanya Tilak College of Engg.,Navi Mumbai	01/01/2015	Guest Lecture
15	Mr.Suffian Suhail	Senior Research Engineer ,	IIT ,Delhi	01/09/2014	For Robotics Workshop
16	Mr.Indrajeeet Kumar	Research Engineer	IIT ,Delhi	02/09/2014	For Robotics Workshop
17	Mr. Ganesh Barabde	Sr. Sub-Divisional Engineer (Electrical)	BSNL regional telecom training centre, Seminary Hills, Nagpur	09/08/2014	Guest Lecture

25 Seminars/ Conferences/Workshops organized & the source of funding
a) National b)International

For Faculty

S. N.	Name of Event	Organized by	Date	Source of funding
1	Discussion on	Organized by	03-12-2016	Self

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	M.Tech for coverage of the syllabus of First semester subjects	Department of Electronics and Communication Engineering, Priyadarshini Bhagwati College of Engineering in association with RTM Nagpur University		Sponsored
2	Curriculum Development to discuss various aspects of coverage of the syllabus of 7 th sem subjects	Organized by Department of Electronics and Communication Engineering, Priyadarshini Bhagwati College of Engineering in association with RTM Nagpur University	27-08-2015	Self Sponsored
3	Curriculum Development Workshop	Organized by Department of Electronics and Communication Engineering, Priyadarshini Bhagwati College of Engineering in association with RTM Nagpur University	11-09-2014	Self Sponsored
4	Curriculum Development Workshop	Organized by Department of Electronics and Communication Engineering, Priyadarshini Bhagwati College of Engineering in association with RTM Nagpur University	12-03-2013	Self Sponsored

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5	One-week ISTE Approved STTP on “DCS-Switching and Routing	Organized by Department of Electronics and Communication Engg., Priyadarshini Bhagwati College of Engineering, Nagpur in association with D-Link Academy, Mumbai	19-12-2016 to 23-12-2016	Self Sponsored
6	Curriculum Development Workshop	Organized by Department of Electronics and Communication Engineering, Priyadarshini Bhagwati College of Engineering in association with RTM Nagpur University	27-08-2015	Self Sponsored
7	One Week ISTE Approved Self Financed Short Term Training Program on “Digital CMOS VLSI design and FPGA”	Organized by Department of Electronics and Communication Engineering, Priyadarshini Bhagwati College of Engineering in association with EDAS Technology ,Nagpur	23-06-2015 to 27-06-2015	Self Sponsored

For Student

S. N .	Name of Event	Organized by	Date	Source of funding
1	Two days Workshop on “Android Development”	Conducted by Department of Electronics and Communication Engineering, in association with Entrench Electronic Pvt. Ltd, Delhi.	22/08/2016 To 23/08/2016	Self Sponsored

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2	Two days Workshop on “Hands-on Workshop on Practical Integrated Antenna- Design and Analysis using Simulation Tool”.	Conducted by Department of Electronics and Communication Engineering, in association with EDAS Technology ,Nagpur	27/02/2016 To 28/08/2016	Self Sponsored
3	ABHISHILP, National Level Project/Model Competition	Jointly organized by Department of Electronics and Communication Engineering and Electronics Engineering	12/03/2015	Self sponsored
4	Two days Workshop on “ROBOZEST (One two day workshop on Image Processing and Robotics)”	Conducted by Finland Labs, in association with Sportech15, IIT Delhi.	01/09/2014 To 02/09/2014	Self Sponsored

26. Student profile programme/course wise:

Sr. No	Academic Year	Name of Programme	Application Recd	Selected	Enrolled		Pass Percentage	
					Male	Female	Odd Sem	Even Sem
01	2016-17	I Yr B.E.	As the admission process is governed by DTE. The rules and regulations of DTE are followed in the admission process	25	11	14	-	-
		II Yr B.E.		61	17	44	32.7	-
		III Yr B.E.		46	15	31	67.4	-
		IV Yr B.E.		54	16	38	91.0	-
02	2015-16	I Yr B.E.		28	5	23	100	100
		II Yr B.E.		44	15	29	36.3	66.7
		III Yr B.E.		57	19	38	75.9	73.7
		IV Yr B.E.		57	22	35	94.7	94.7
03	2014-15	I Yr B.E.		21	2	19	85.7	85.7
		II Yr B.E.		74	22	52	31.2	48.4
		III Yr B.E.		59	24	35	57.6	89.8
		IV Yr B.E.		57	35	22	98.1	86.0
04	2013-14	I Yr B.E.		41	17	24	61.9	57.6
		II Yr B.E.		57	19	38	39.2	55.4
		III Yr B.E.		63	37	26	68.2	52.3
		IV Yr B.E.		41	27	14	68.3	92.6

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
First Year B.E. in Electronics and Communications Engineering 2016-17	100%	Nil	Nil
First Year B.E. in Electronics and Communications Engineering 2015-16	100%	Nil	Nil
First Year B.E. in Electronics and Communications Engineering 2014-15	100%	Nil	Nil
First Year B.E. in Electronics and Communications Engineering 2013-14	90.2%	9.8%	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr No	Name of Exam	Academic Session	Number of Students appeared	No of students qualified	Qualified Student name
01	GATE	2016-17	50	Result Awaited	NA
		2015-16	29	01	Rasika Wanjari
		2014-15	43	01	Zeba Farheen
		2013-14	20	01	Nishant Kumar
02	CAT/CET	2016-17	Nil	Nil	Nil
		2015-16	Nil	Nil	Nil
		2014-15	3	3	Namisha Lambat Sweta Gautam
		2013-14	2	2	Divya Thaokar

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					Sachin Zunke
03	State Services/Civil Services	2016-17	05	Nil	Nil
		2015-16	Nil	Nil	Nil
		2014-15	08	Nil	Nil
		2013-14	03	Nil	Nil

29. Student progression

Student progression	Against % enrolled		
	2015-16	2014-15	2013-14
UG to PG	1.7 %	12.32 %	24.39%
PG to M.Phil.	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL
Employed			
• Campus selection	31.57%	9.5%	9.7%
• Other than campus recruitment	02/57=3.5%	26/73=35%	17/41=41.46%
Entrepreneurship/Self-employment	NIL	NIL	02/41=4.87%

30. Details of Infrastructural facilities

a) Library

S N	Infrastructure facility	Details Related to EC Dept.	Numbers Available
1	College Library: Total Area: 1214.01 sq.	Book Titles/Volumes UG	577 /2412
		Book Titles/Volumes PG	101/515
		Delnet e-journal	60
		Journal Print	6
		NPTEL videos	26
2	Departmental Library	UG	20

b) Internet facilities for Staff & Students: The campus is WiFi enabled The department is having the internet facility for the staff members and for the students also.

The internet speed is 35 mbps and all the departmental laboratories are connected with LAN.

c)Class rooms with ICT facility:

The teaching aids available with the department are

- No. of LCD Projectors: 1
- Each classroom / Tutorial room is equipped with Green board and all laboratories are provided with green board to explain the concept related to practical
- The Classroom is equipped with good quality of furniture to accommodate strength of around 60 students.
- Each Room is located with good air circulation, good lighting and the ambience is good.
- Seminar Hall is equipped with an audience capacity of 120. Seminar hall is provided with Projector, Dias with Podium and necessary furniture is available.

d) Laboratories: B.E. Electronics and Communication Engineering

Sr. No	Name of Laboratory	Total Area in Sq. Mtr	Total Cost of equipments
1	Advanced Microprocessor Lab	122.23	305119.5
2	Digital Communication	69.2	95739
3	Digital Signal Processing Lab	104	351888
4	Digital Circuits Lab	87.79	157350.5

5	Project Lab	95.3	36750
6	Television Engineering Lab	104	190713
7	Communication Electronics Lab	103.9	606417.26
8	Ultra High Frequency Lab	122.23	354729.33

M. Tech. Computer Science & Engineering

Sr. No	Name of Laboratory	Total Area in Sq. Mtr	Total Cost of equipments
1.	M. Tech EC Lab	71.77	169700

31. Number of students receiving financial assistance from college, university, government or other agencies.

Financial Assistance from Government Agencies:

SR. NO.	ACDEMIC YEAR	CATEGORY	TOTAL
1	2016-17	SC	30
		ST	3
		NT	13
		SBC	13
		OBC	99
		EBC(OPEN)	28
		MINORITY SCHOLARSHIP	5
		COLLEGE CONCESSION	5
3	2015-16	SC	22
		ST	1
		NT	12
		SBC	10
		OBC	101
		EBC(OPEN)	78
		MINORITY SCHOLARSHIP	6
		COLLEGE CONCESSION	2
4	2014-15	SC	21

		ST	1
		NT	9
		SBC	11
		OBC	100
		EBC(OPEN)	75
		MINORITY SCHOLARSHIP	6
5	2013-14	SC	18
		ST	1
		NT	8
		SBC	10
		OBC	91
		EBC(OPEN)	95
		MINORITY SCHOLARSHIP	4

32. Details on student enrichment programmes (special lectures/workshops /seminar) with external experts

Sr. No.	Name of Guest Lecture / Expert Lecture/Workshop	Date	Expert Resource Person	Affiliation of Resource Person
1	Guest Lecture on “Scope of Embedded System Design and Job Opportunities in Core Domain of Embedded Design”	08/03/2017	Mr.Rishi Soni	ICIT,Savitribai Phule University,Pune
2	Guest Lecture on “Gate & IES-Way to Electronics Engineering”	16/02/2017	Mr. Sachin Mankawade	Director, GATE Forum, Nagpur.
3	Guest Lecture on “Aptitude Development”	07/02/ 2017	Mr. Rishi Chourasia	Founder Director, Vikalp Education, Nagpur.
4	Guest Lecture	20/01/2017	Mr. Satish	Regional

	on “Current Trends for Control System in Today's Industry”		Vaidya	Manager (central India),Prolific Systems & Technologies Pvt. Ltd.
5	Two days workshop on “Android Development ”	22/08/2016 To 23/08/2016	Mr.Vishwaje et Singh Rana	Technical Head, Entrench Electronic Pvt. Ltd, Delhi
6	Guest Lecture on “Microprocessor Designing”	18/07/2016	Mr. Ashwini Sahu	Hardware Manager,Oracle Corporation ,santaclara, California
7	Guest Lecture on “Value Added Courses in Embedded Domain “	14/03/2016	Mr. Kashinath Joshi	Co-Ordinator, Integrated Circuited & Information Technology Pvt.Ltd
8	Guest Lecture on “Role of the Modern Youth in Nation Building”	03/03/2016	Mr. Vishwas Lapalkar and Mr. Joshi	Pranta Sangathak, Maharashtra and Goa
9	Two days workshop on ““Hands-on Workshop on “Practical Integrated Antenna-Design and Analysis using Simulation Tool”. “	27/02/2016 To 28/02/2016	Mr. Sagar Shinde	RF Engineer, EM & Microwave Division ,Ni2 Designs, Pune
			Mr. Dhananjay Magar	Application Engineering, EM & Microwave Division ,Ni2 Designs, Pune
10	Guest Lecture on “Hardware	15/09/2015	Mr. Mohsin Khan & Mr.	IT-NetworkZ, Nagpur

	& Network Connectivity”		Sachin Meshram	
11	Guest Lecture on “Emerging Trends In IT”	11/9/2015	Mr. Deepak Dhote	IT-NetworkZ, Nagpur
12	Guest Lecture on “Congestion Control in wireless sensor network”	01/01/2015	Mr. Jilani Sayyad,	Lokmanya Tilak College of Engg.,Navi Mumbai
13	Two days workshop on “Robotics”	01/09/2014	Mr.Suffian Suhail	Senior Research Engineer , IIT ,Delhi
14	Guest Lecture on “Industrial Automation”	21/08/2014	Mr. Ravi Agrawal	LASER Automation Training Centre Nagpur.
15	Guest Lecture on “Motivational Speech On success Concept In Life Or Successful Career”	09/08/2014	Mr. Ganesh Barabde	Sr. Sub-Divisional Engineer (Electrical) BSNL regional telecom training centre, Seminary Hills, Nagpur
16	Guest Lecture on “Heart diseases and life style”	18/07/2014	Dr. Pramod Chavan	Cardio Specialist, Madhavabagh , Vidharbha Regional Manager,Kondhal

33 Teaching methods adopted to improve student learning:

- 1) Student centric teaching methods adopted by the department.
- 2) Optimum student engagement through the semester via two assignments, class tests and sessional examination.
- 3) Difficult topics and university numerical covered in tutorial classes.

4) Organization of guest and expert lectures and also encouraging the students to participate in extracurricular activities like paper presentation, project competition etc.

5) Providing question bank and university paper solution set to the students in order to improve performance in university examination.

6) Sanstha Level feedback in order to gauge the competency of each subject taught in every semester for each subject.

7) College Level academic monitoring committee to monitor the academics of the college.

8) Personal initiative in attending the lectures of faculties by The Principal , Dean Academic and the Head of the Department, along with the academic monitoring committee.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr. No.	Academic year	Name of activity	No. of students participated	Venue
1	2016-17	Vruksh Dindi	22	RTMNU, Nagpur
		Tree Plantation	22	PBCOE, Nagpur and Sai Mandir, Nagpur
		Traffic Rules awareness	22	PBCOE, Nagpur
		Donate for Education	22	Nagpur
		State level student conference	22	Deshpande Hall, organised by RTMNU,
		Donate organ Rally	22	RTMNU, Nagpur
		Swachh Bharat Abhiyan	22	PBCOE, Nagpur
		Blood donation camp.	22	PBCOE, Nagpur
		Voter awareness Rally	22	RTMNU, Nagpur

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		Cashless India Campain	22	PBCOE, Nagpur
		Save Water, Save Planet Rally	22	PBCOE, Nagpur
2	2015-16	Blood donation camp, Sainath blood bank	7	PBCOE, Nagpur
		Tree Plantation	7	PBCOE, Nagpur
		Waste collection program	7	Near Rajabaksha temple, medical
		Shramdan	7	Bada Tajbag
		Hypnotism Program	7	PBCOE, Nagpur
3	2014-15	Blood donation camp, Jivanjyoti blood bank	24	PBCOE, Nagpur
		Shramdan	24	Panchawati Vrudhhashram,
		Green Revolution :Plastic awareness	24	PBCOE, Nagpur
		Tree Plantation	24	PBCOE, Nagpur
		Sanitation awareness	24	PBCOE, Nagpur
		Swachha Bharat Abhiyan	24	Bada Tajbag
		Vyasan Mukti	24	PBCOE, Nagpur
		Fuel Saving		PBCOE, Nagpur
4	2013-14	Jivan ki kala	13	PBCOE, Nagpur
		Sport activity for deaf and dumb school	13	Saraswati Vidya Mandir, Shankar nagar , Nagpur
		Quiz and sport competetion for orphan school	13	Orphan school, Lakadganj , Nagpur
		Tree Plantation	13	PBCOE, Nagpur
		Blood donation camp, Govt. Medical College , Nagpur	13	PBCOE, Nagpur

		Quiz and sport competition for blind school	13	The sheltered workshop for blind, PBCOE, Nagpur
		Save Nag River(My city, my river)	13	Triveni Sangam , Sitabuildi, Nagpur

35. SWOC analysis of the department and Future plans.

Strengths

- 1) The greatest strength of the Department of Electronics and Communication Engineering is Dr. N.K. Choudhari, Principal of the Institute is from faculty of Electronics Engineering. He has received the “Best Principal Award - 2015” from the R.T.M. Nagpur University and also the “Vidyaratan 2012” award from The Economic for Health and Educational Growth, New Delhi. Also, he has worked as The Chairman, Board of Studies (Electronics Engineering), RTM Nagpur University from 2010-2015, Member of Academic Council.
- 2) Experienced and dedicated faculty.
- 3) Student forum ASCONIC and regular conduction of guest and expert lectures in the department.
- 5) Work in interdisciplinary areas/projects.

Weaknesses

- 1) Less number of Faculty with PhD.
- 2) Lack of funded projects and lack of Industry Institute Collaboration.
- 3) Few faculty with industrial experience.

Opportunities

- 1) Enhance Industry Institute Interaction through collaborative activities.
- 2) Enhance R&D activities through grants under various funding schemes.

Challenges

- 1) The decrease in the number of students taking admissions in Faculty of Electronics Engineering.
- 2) Number of students getting placed in prestigious companies are less.

Future Plans

- 1) To continue the trend of university toppers in both U.G. and P.G. Level in the university examination
- 2) To continue the good culture of academic discipline.
- 3) Greater emphasis on suitable placement to the eligible students in good companies.

- 4) Increasing the research infrastructure like applying for approved research center for Ph. D.
- 5) To get funds from various funding agencies like AICTE, DST, MHRD, CSIR etc.

Department of Information Technology

1. Name of the department:
 - **Department of Information Technology**
2. Year of Establishment:
 - **Established in the year 2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):

Name of the Program	Year of establishment
UG	2007

4. Names of Interdisciplinary courses and the departments/units involved:

S.N.	Names of Interdisciplinary courses	Departments Involved
1.	Applied Mathematics III	B.E. I Year Department
2.	Discrete Mathematics Graph Theory	B.E. I Year Department
3.	Digital Electronics and Fundamentals of Microprocessor	Electronics & Communications Engineering
4.	Environmental Studies	B.E. I Year Department
5.	Industrial Economics and Entrepreneurship Development	B.E. I Year Department
6.	Functional English	B.E. I Year Department
7.	Data Communication	Electronics & Communication Engineering

5. Annual/ semester/choice based credit system (programme wise):
B.E. Information Technology Semester Pattern Credit Based System
6. Participation of the department in the courses offered by other departments:

S.N.	Names of Interdisciplinary courses	Departments Involved
1	Computational Skill	B.E. I year Department
2	Computer Application I	Mechanical Engineering
3	Object Oriented Programming and Data Structure	Electronics & Communication Engineering

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4	Object Oriented Programming and Data Structure	Electronics Engineering
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7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of Teaching posts :

	Sanctioned	Filled
Professors	1	NIL
Associate Professors	02	NIL
Asst. Professors	09	12

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. M.S. Chaudhari	Ph.D. Pursuing M.E.(CSE) B.E.(C.T.)	Assistant Professor	Data Mining and Warehousing	12 years	Nil
Mr.Y.B.Malode	M.Tech(CSE) B.E.(I.T.)	Assistant Professor	Data Mining, Database	10years	Nil
Ms.R.D.Shinganjude	M.E.(Mobile Technology) B.E.(I.T.)	Assistant Professor	Mobile Technology Area-Wireless Sensor network security	2.6 years	Nil

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Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the
Ms. S. D. Kubde	M.Tech [CSE] MCA	Assistant Professor	Computer Network	6 Years	Nil
Mr. A. Kale	M.Tech CSE	Assistant Professor	Data Mining	2 Yrs	Nil
Ms.A.A.Lokhande	M.E.(Mobile Technology) B.E.(I.T.)	Assistant Professor	Mobile Technology & Wireless Network	1.7 years	Nil
Ms.K.D.Pawar	M.Tech(CSE) B.E.(C.T.)	Assistant Professor	Natural Language Processing	4.7 years	Nil
Ms. S. P. Gathe	M.Tech (CSE) B.E, CSE	Assistant Professor	Data Mining,	6 Months	Nil
Ms. M. Raut	M.Tech (CSE) B.E, CSE	Assistant Professor	Computer Networks	3 Years	Nil
Ms. R. J. Kuthe	M.Tech (CSE) B.E, CSE	Assistant Professor	Computer Networks	6 Months	Nil
Ms. S. D. Gupta	M.Tech (CSE) B.E.[CSE]	Assistant Professor	Data Mining	2 Years	Nil
Ms. N. H. Fatema	M.Tech (CSE) B.E.[CSE]	Assistant Professor	Data Mining	2 Years	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**
13. Student -Teacher Ratio (programme wise): **5: 1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Technical Staff	2	2
Laboratory Attendant	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG :

Sr. No	Qualifications of Teaching faculty	Number
2.	Ph.D. Pursuing	01
3.	M. Tech. / M. E.	11

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **NIL**
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**
18. Research Centre /facility recognized by the University: **NO**
19. Publications:

a) Publication per faculty

Name of Faculty	Journal Publications		Conference Publications		Total
	International	National	International	National	
Mr. M. S. Chaudhari	24	-	5	--	29
Mr. Y. B. Malode	6	--	1	--	7
Ms. D. Bhatia	5	--	4	--	9
Ms.R. D. Shinganjude	5	--	1	--	6
Ms. T. Jain	1	1	-	--	2
Ms.S. Chaflekar	6	--	2	--	8
Ms.A. Lokhande	4	--	1	1	6
Ms. K. D. Pawar	--	--	2	--	2
Total	51	1	16	1	69

* Number of papers published in peer reviewed journals (national / International) by faculty and students

Number of papers published by faculty:

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	

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2016-17	8	--	--	--	8
2015-16	16	--	4	--	20
2014-15	12	1	4	1	18
2013-14	7	--	6	--	13
2012-13	8	--	0	--	8
2011-12	--	--	2	--	2
Total	51	01	16	1	69

Number of papers published by Student:

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	02	--	--	8	10
2015-16	--	--	1	8	9
2014-15	--	--	--	6	6
2013-14	--	--	--	5	5
2012-13	--	--	--	--	--
2011-12	--	--	--	--	--
Total	02	--	1	27	30

* Number of publications listed in International Database (For Eg: Web

of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NIL**

* Monographs: **NIL**

* Chapter in Books: **NIL**

* Books Edited: **NIL**

* Books with ISBN/ISSN numbers with details of publishers: **NIL**

* Citation Index

SN	Name of Author/s	Citation Index
1.	M.S. Chaudhari	13
2.	Ms. R. D. Shinganjude	02

* SNIP:**NIL**

* SJR:**NIL**

* Impact factor:

Impact Factor Range: Min.: 0.274 Max.: 6.577 Average: 3.7323

* h-index:

SN	Name of Author/s	h-index
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1.	M.S. Chaudhari	04
2.	Ms. R. D. Shinganjude	02

20. Areas of consultancy and income generated: **NIL**

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards :

Faculties are having memberships of professional bodies like ISTE,IE(I)

Sr No	Name of Faculty	Name of Conference in which working as advisory committee	Date and Venue of Conference	Date of Registration	Organized By
1.	M.S.Chaudhari	International conference on Recent trends, Emerging issues in Science, Engineering, Environment and Technology(ICRESEET).	08-09 April 2017 Goa India	24.02.2017	IFERP
		Name of Journal in which working as reviewer	Reviewer ID	Date of Registration	ISSN No
		International Journal of Engineering Research and Technology IJERT	IJERTREW 2019	09-02-2017	2278-0181

22. Student projects:

UG PROJECTS: B.E.		
e. Percentage of students who have done in-house projects including inter departmental/programme	100%	
f. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	Joint Project	NIL
	Industrial Co-guide	NIL
	Industry based projects	NIL
	Interdisciplinary projects	NIL

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	Within institute co-guide	NIL
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23. Awards / Recognitions received by faculty and students:

a) Awards/Recognitions received by Faculty:

Sr. No	Name of Faculty	Name of Award	Organization	Rank/Status	Event
1.	Mr. M. S. Chaudhari	The paper is Selected as one of the Best Manuscripts published in the Year 2016.	The Standard International Journals	Best Manuscripts award for the paper Review of Data Mining Techniques in Environmental Systems.	

b) Awards/Recognitions received by Students:

Sr. No.	Name of Students	Organizer	Academic Year	Rank/Status	Events
1.	Akshay Burkure	Priyadarshini Bhagwati College of Engineering, Nagpur	2016-17	SECOND	Software Project Competition in National Level Event ADDHYAYAN
2.	Abhijeet Kapse	Priyadarshini Bhagwati College of Engineering, Nagpur	2016-17	SECOND	Software Project Competition in National Level Event ADDHYAYAN
3.	Trushali Dhomne	Priyadarshini Bhagwati College of Engineering, Nagpur	2016-17	SECOND	Software Project Competition in National Level Event ADDHYAYAN

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4.	Apurva Warkari	SRPCE, NAGPUR	2015-2016	FIRST	Paper presentation in national level technical event TECHNOKIRA N-16 22-23 rd February- 2016
5.	Mohd. Ejaj Rafique	Shri Ramdeobaba College Of Engineering And Management, Nagpur	2014-15	FIRST	National level technical event PRATISHRUTI 12-14 February 2015
6.	Apruva Warkari	Priyadarshini College Of Engg., Nagpur	2014-2015	FIRST	Paper Presentation in UNNATI'15 (NATIONAL CONFERENCE OF STUDENTS) 20 TH & 21 ST FEB 2015
7.	Apruva Warkari	Anjuman College Of Engg. & Tech, Nagpur	2014-2015	FIRST	National Level Paper Presentation Event- ECON-2014 15 TH DEC 2014
8.	Apruva Warkari	Priyadarshini Bhagwati College Of Engg.	2014-2015	SECOND	National Level Paper Presentation Competition ANUBHUTI 21 ST FEB 2015,

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9.	Nikhil Pasare	Kavikulguru Institute Of Technology And Science	2014-2015	FIRST	TRIVIADOR in National Level Technical Fest (TEKNODEON-2K15) 11 TH -13 TH MARCH 2015
10.	Sagar Gadhawe	Kavikulguru Institute Of Technology And Science	2014-2015	FIRST	TRIVIADOR in National Level Technical Fest (TEKNODEON-2K15) 11 TH -13 TH MARCH 2015
11.	Akshay Burkure	Priyadarshini Bhagwati College Of Engg.,Nagpur	2014-2015	FIRST	Breadboard Event in National Level Competition ABHISHILP 12 MARCH 2015
12.	Arbind Jena	Government Polytechnic, Nagpur.	2014-2015	FIRST	Brain Teaser of ADOBE 2K16
13.	Arbind Jena	Priyadarshini Bhagwati College Of Engg.,Nagpur	2014-2015	FIRST	A National Level Quiz Competition ABHYUDAY 28 FEBRUARY-15
14.	Nilima Chikhalkar	Priyadarshini Bhagwati College Of Engg.,Nagpur	2014-2015	FIRST	A National Level Quiz Competition ABHYUDAY 28 FEBRUARY-15

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15.	Mohd. Ejaj Rafique	Priyadarshini Bhagwati College Of Engg., Nagpur	2013-2014	SECOND	Project Competition in "ADDHYAYAN" National level Event 12 February 2014
16.	Mohd. Ejaj Rafique	Accenture Pvt. Ltd . & Microsoft	2013-2014	First	Coding Competition in National Level Workshop on ASP.net

24. List of eminent academicians and scientists / visitors to the department:

Sr. No.	Name of eminent academician/ scientist / visitor	Designation	Organization	Date of Visit	Nature of Visit
1	Mr. Somil Deshmukh	Senior Technical Lead	Persistent Pvt. Ltd. ,Nagpur	21-01-17 , 13-12-17 to 17-12-17	Seminar, STTP Expert.
2	Mr. Deepak Dhote	Operations Manager	IT-Networkz Infosystems Pvt Ltd, Nagpur	17-01-2017	Seminar on Emergng Trends in IT.
3	Mr. Atul Palandurkar	Director,	An-Cyber Pvt Ltd, Pune	22-07-14	Delivering Guest Lectures
4	Dr. M. B. Chandak	Professor & Head of CSE Department ,	RCOEM, Nagpur	13-12-17	Chief Guest of STTP on Big Data Analytics and Hadoop Technology.
5	Mr.E. Vardarajan	Director,	IT-Networkz Infosystems Pvt Ltd., Johannesburg, South Africa	07/04/2016	As Visit to College under MoU, with IT-Networkz Infosystems Pvt Ltd. Nagpur

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6	Dr. R. S. Pande	Principal	RCOEM,Nagpur	27-02-2015	Chief Guest at National Level Event Anusadhan
7	Dr. M.S. Kadu	Professor and Head, Civil Engg.	RCOEM,Nagpur	02-03-2013	Chief Guest at National Level Event Anusadhan
8	Mr. Rupesh Shende	Professional Trainer & Director , RS eBusiness Solutions Pvt. Ltd.	RS eBusiness Solutions Pvt. Ltd.,Nagpur	03/08/2013, 15/02/2017	Guest Lecture

25. Seminars/ Conferences/Workshops organized & the source of funding : a) National b) International
Seminars/ Conferences/Workshops organized for the faculty:

Sr. No.	Name of seminar/conference/workshop	Date of event	National/University level/college level	Source of funding
1	STTP on Big Data Analysis and Hadoop Technologies	13-12-2017 to 19-12-2017	University level	Self Financed

26. Student profile programme/course wise:

Sr No	Academic Year	Name of the Programme	Application Recd	Enrolled	Enrolled		Pass Percentage	
					Male	Female	Odd Sem	Even Sem
01	2016-17	I Yr BE	As the admission process is governed by DTE. The rules and regulations of DTE are followed in the admission process.	51	19	32	29.16	NA
		II Yr BE		18	06	12	58.82	NA
		III Yr BE		18	05	13	66.66	NA
		IV Yr BE		20	08	12	75	NA
02	2015-16	I Yr BE		22	11	11	31.81	31.57
		II Yr BE		24	7	17	41.66	50
		III Yr BE		20	8	12	75	95
		IV Yr BE		17	5	12	94.11	100
03	2014-15	I Yr BE		19	4	15	36.84	22.22
		II Yr BE		24	9	15	47.82	54.16
		III Yr BE		17	5	12	58.82	88.23
		IV Yr BE		20	11	9	70.58	82.35
04	2013-14	I Yr BE		29	11	18	37.93	37.93

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	II Yr BE	20	7	13	40	78.94
	III Yr BE	20	8	12	55	75
	IV Yr BE	54	26	28	87.03	98.14

*M = Male *F = Female

27. Diversity of Students

Year	Name of Course	% of students from same State	% of students from other State	% of students from Abroad
2016-17	B.E. IT	98.34%	1.65%	0%
2015-16	B.E. IT	100%	0%	0%
2014-15	B.E. IT	97.26%	2.73%	0%
2013-14	B.E. IT	94.11%	5.88%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr No	Name of Exam	Academic Session	Number of Students appeared	No of students qualified	Name of Qualified Student
01	GATE	2016-17	10	NA	NA
		2015-16	2	NIL	--
		2014-15	NIL	NIL	--
		2013-14	29	1	Ashwini Chafle

29. Student progression

Student progression	Against % enrolled		
	2015-16	2014-15	2013-14
UG to PG	0 %	0 %	5.55%
PG to M.Phil.	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL

Employed			
• Campus selection	41.17%	10 %	9.25%
• Other than campus recruitment	11.76%	55.55%	34.69%
Entrepreneurship/Self-employment	NIL	NIL	NIL

30. Details of Infrastructural facilities a) Library

SN	Infrastructure facility	Details Related to CSE Dept.	Numbers Available
1	College Library: Total Area: 1214.01 sq.	Book Titles/Volumes UG	587 /2433
		IEL online journals (e-Journal Package)	DELNET package
		Journals (Print + Online)	6
		NPTEL Videos	14
2	Departmental Library	UG	25

- b) Internet facilities for Staff & Students:
- The college campus is WI-FI enabled
 - The department is having the internet facility for the staff members and for the students also.
 - The internet speed is 35 mbps and all the departmental laboratories are connected with LAN with 110 computers.
- c) Class rooms with ICT facility:

The teaching aids available with the department are

- No. of LCD Projectors: 1
- Each classroom / Tutorial room is equipped with Green board and all laboratories are provided with green board to explain the concept related to practical.
- The Classroom is equipped with good quality of furniture to accommodate strength of around 60 students.
- Each Room is located with good air circulation, good lighting and the ambience is good.
- Seminar Hall is equipped with an audience capacity of 120. Seminar hall is provided with Projector, Dias with Podium and necessary furniture is available.

- d) Laboratories

Sr. No.	Name of Laboratory	Total Area in Sq. Mtr.	Total Cost of equipments
1.	Web Technology lab	91	Rs. 384720/-
2.	Programming Language Lab	94	Rs.384720/-
3.	Computer Graphics Lab	93	Rs.384720/-
4.	DBMS Lab	91	Rs.457500/-
5.	Software Engineering Lab	96	Rs.1,92,360/-
6.	Project Lab	110	Rs.4,62,180/-
7.	Data Communication Lab	71.77	Rs.262728/-
8.	Computer Hardware Lab	82.78	Rs 108262/-

31. Number of students receiving financial assistance from college, university, government or other agencies: NIL

Sr. No.	Academic Year	Category	No. of Students
01	2016-17	SC	19
		ST	01
		OBC	57
		NT	04
		SBC	11
		EBC(OPEN)	04
		Minority Scholarship	00
		College Level	04
02	2015-16	SC	17
		ST	0
		OBC	40
		NT	02
		SBC	07
		EBC(OPEN)	04
		Minority Scholarship	00
		College Level	03
03	2014-15	SC	16
		ST	01
		OBC	41
		NT	03
		SBC	03
		EBC(OPEN)	04
		Minority Scholarship	01
		College Level	NIL
04	2013-14	SC	28
		ST	0

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	OBC	56
	NT	02
	SBC	06
	EBC(OPEN)	07
	Minority Scholarship	00
	College Level	NIL

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Sr. No.	Name of seminar/conference/workshop	Date of event	Expert	National/University level/college level
1	National Level Event ADDHYAYAN 2017	18/03/2017	Mr. D A Borikar, SRCOEM, Nagpur, Judge for Paper Presentation, CSE/IT Track, Mrs. A Dehankar, PCE, Nagpur, Judge for Software Project Competition.	National Level
2	National IT Aptitude test conducted by NIIT, Nagpur	18/02/17	Mr. Amogh Chitnis, Technical Head, Mr. Ashish BDE, NIIT Nagpur	National Level
3	Guest Lecture on Open Source Development-PHP Based Framework	15/02/17	Mr. Rupesh Shende, Professional Trainer and Director of RS e Business Solutions Pvt. Ltd. Nagpur.	College Level
4	Seminar on How to Prepare for Campus Placement Drive of Persistent Pvt. Ltd Nagpur and In General.	21/01/2017	Mr Somil Deshmukh, Technical Lead, Persistent Pvt Ltd.	College Level
5	Two Days Workshop on Java Frameworks- Hibernate & Struts	19/01/2017 to 20/01/2017	Mr. Anup Pardhi, Technical Lead, IT-NetworkZ Infosystems Pvt.Ltd. Nagpur	College Level
6	Sponsored Project	18/01/17	Ms. Snehankita	College Level

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	Trainee Selection Test Drive		Fadanvis, IT- NetworkZ Pvt Ltd Nagpur	
7	Guest Lecture on Emerging Trends in Information Technology	17/01/2017	Mr. Dipak Dhote, Operations Manager, IT- Networkz Infosystems Pvt Ltd.	College Level
8	Seminar on Web Page Development (.net)	17/01/17	Ms. Hemlata Jawanjal, IT- NetworkZ Pvt Ltd Nagpur.	College Level
9	Guest Lecture On Latest Trends In Information Technology	23/07/16	Mr. Dipak Dhote, Operations Manager, IT- Networkz Infosystems Pvt Ltd.	College Level
10	Guest Lecture On Java Applications In Software Development	19/07/16	Mr. Amogh Chitnis, Director Beyond Doubts, Nagpur	College Level
11	Project Drive for III year Students by IT- NetworkZ Private Limited.	21-03-16	Ms. Snehankita Fadanvis, IT- NetworkZ Pvt Ltd Nagpur	College Level
12	National Level Event ADDHYAYAN	19-03-2016	Judge of Paper Presentation of CSE/IT Track Dr M.S .Khatib, Professor & Head CSE Deptt, ACET, Nagpur Judge for Software Project Competition Prof A M Kuthe, Head CSE/IT Deptt, SRMCOE, Nagpur	National Level
13	Two Days Boot Camp on” Devices And Connectivity” Clean code Application Development”	04 th and 5 th March 2016	Mr Anup Pardhi, Ms. Hemlata Jawanjal, IT- Networkz Infosystems Pvt Ltd Nagpur.	University level
14	Guest Lecture “Emerging Trends in Information Technology”	20-02-16	Mr. Tejas Pateliya, Software Developer ,Delaplex, Nagpur	College Level

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15	One Day Workshop on Computer Networks	08-09-15	Mr. Chandan Kumar , &Mr. Harshal Duragkar, Lead Trainer and Network Engineer, Concourse Pvt. Ltd.,Nagpur	College Level
16	One Day Workshop on Web Application Development	10-08-15	Ms Hemlata Jawanjal ,Mr Sachin Meshram, Corporate Trainer, and Network Engineer, IT-Networkz , Nagpur	College Level
17	One Day Workshop on Windows Application Development	06-08-15	Mr. Deepak Dhote, Ms Hemlata Jawanjal, Operations Manager ,and Corporate Trainer, IT-Networkz	College Level
18	National Level Software & Hardware Project Competition “ANUSANDHAN”	27-02-2015	Prof. A. M. Kuthe, Head, SRMCOE, Nagpur For PROYECTO-Software & Hardware Project Competition. Mr. R. S. Shende, Director Rs e Solutions Nagpur For CODEATHON- C Coding Competition.	National Level
19	Two Days workshop on Linux :08-09 September-2014 and National Linux Security Championship -2015 in Association with IIT Delhi and VBM Technologies.	08 & 09 September - 2014	Mr. Bakul Dutt and Mr. Abhishek Vyas, Senior Research and Lead Trainer, VBM Technologies Pvt Ltd.	University level
20	Expert Lecture on Ethical Hacking and Cyber Security	1/09/14	Mr. Manoj Rai , Director Network Hub Nagpur	College Level
21	Expert Lecture on “How to Prepare aptitude and	22-07-14	Mr. Atul Palandurkar, Director An Cyber	College Level

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	technical for the campus placement of Persistent Company”		,Pune	
22	Guest Lecture on “Career Opportunity in IT Industry”	13-07-14	Mr. Manish Kumar Singh, Microsoft IT Academy Trainer, B.E., MBA (MIT Pune)	College Level
23	National Level Event ADDHYAYAN	12 & 13 Feb-2014	Judge for Paper Presentation of CSE/IT track , Mr S N Dagadkar, BDCOE, Nagpur and Judge for Software Project Competition , Mr M M Goswami ,RG CER, Nagpur	National Level
24	Two Days Workshop on Android in Association with IIT Roorkee and Finland Labs.	03 and 04 Jan 2014	Mr Vishal Kumar and Mr Ravi Kumar, Finland Labs	University level
25	Two Days workshop on Ethical Hacking & Cyber Security in association with TECHFEST , IIT Bombay and Wegilant Net Solution , Mumbai	23 rd & 24 th December 2013	TECHFEST , IIT Bombay and Wegilant Net Solution , Mumbai	University Level
26	Expert Lecture on “Fibre to Home and Broadband Services ”	22-08-13	Mr. Shrikant Dongare, SDE,RTTC, Nagpur	College Level
27	Expert Lecture on “Advanced PhP Professional”	03-08-13	Mr Rupesh Shende, Director RSe Solutions, Nagpur	College Level

33. Teaching methods adopted to improve student learning:
1. Use of Projector and PPTs for explaining difficult topics.
 2. Demonstration of topics by using NPTEL videos.
 3. Tutorials are taken to discuss university questions.
 4. Individual assignments are given.
 5. Feedback are taken subject wise and improvement are

- communicated to faculty for better teaching to students.
6. Remedial classes are taken for weak students.
 7. YouTube videos are used for demonstration.
 8. Solution sets are provided for university question paper.
 9. Unitwise question bank are provided containing university questions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Sr No	Academic Year	Name of the Activity	No of students participated	Venue
01	2016-17	Vruksha Dindi	4	Organized by Nagpur
		Tree Plantation	6	PBCOE,Nagpur & sai Mandir
		Swacha Bharat Rally	4	PBCOE,Nagpur (Ramana
		Traffic Rule Awareness Program	4	PBCOE,Nagpur
		Donate Organ rally	2	Organized by Nagpur
		Donate for Education	2	Walmiki Balsadn
		State Level Student Conference	4	VasantRao Deshpande
		Blood Donation Camp	4	PBCOE,Nagpur
		Cashless India Campaign	4	PBCOE,Nagpur
		Voter Awareness Rally	2	Organized by Nagpur
		Save Water Save Planet Rally	4	PBCOE,Nagpur (Ramana
02	2015-16	Blood Donation Camp	7	PBCOE,Nagpur
		Tree Plantation	7	PBCOE,Nagpur
		Waste Collection Program	7	Raja Baksha Temple,
		Shramdan	7	Bada Taj bagh,Nagpur

		Hypnotism Program	7	PBCOE, Nagpur
03	2014-15	Green Revolution & plastic Awareness	14	PBCOE, Nagpur
		Vysan Mukti Vakhyan	14	PBCOE, Nagpur (Divine India
		Tree Plantation	14	PBCOE, Nagpur
		Sanitation Awareness	14	PBCOE, Nagpur
		Swacha Bharat Sundar Bharat	14	Bada Taj bagh, Nagpur
		Shramdan	14	Panchawati Ashram, Nagpur
		Spiritual lecture	14	Gaytri Pariwar, Nagpur
04	2013-14	Blood Donation Camp	4	PBCOE, Nagpur
		Sahaj Yoga Dhyan	4	PBCOE, Nagpur (Vishva
		Tree Plantation	4	PBCOE, Nagpur
		Fuel Saving Program	4	Medical Square, Nagpur
		Sport Activity for Deep & Dumb School	4	Saraswati Vidya Mandir
		Quiz & Sport Competition for	4	Orphan School, Lakad Ganj, Na
		Save Nag River	4	Trivenni Sangam, Neat
		Jivan Jeene Ki Kala	4	PBCOE, Nagpur (By

35. SWOC analysis of the department and Future plans:

Strengths:

- Well Qualified, Experienced, Motivated and young Faculty.
- Well Equipped Laboratories..
- Highly disciplined academic environment.
- Adequate Infrastructure.
- Student Centric Teaching Learning Process
- Enthusiastic students.
- Active Student Forum – TECHNODIAZ.
- The active involvement of Alumni.

- Centrally located institute well within city.

Weaknesses:

- Students with rural background.
- No faculty with PhD.
- Less interaction with industry expert.
- Comparatively lesser consultancy and software development opportunities.
- No faculty with industrial experience.

Opportunities

- Enhance Industry Institute Interaction through collaborative activities.
- Work in interdisciplinary areas/projects.
- Offer more industry oriented professional courses.
- Leader in providing quality engineering education clubbed with placements
- To increase the placements.
- More industry and live project support for students.

Challenges

- To keep students upgraded with the latest developments in the Industry.
- To increase placement of students in software companies
- To keep faculty updated with latest technology.
- To motivate students for self employment.
- To increase university rank holders.

Future plans of the department

- Encourage faculty for acquiring higher qualifications.
- Development of e- Resources.
- Adoption of emerging technologies through various workshops.
- More efforts on preparing students for higher studies and entrepreneurship.
- Development of faculty expertise in identified thrust Areas.

Department of Civil Engineering

1. Name of the department: - Department of Civil Engineering
2. Year of Establishment: - 2011
3. Names of Programmes /Courses offered (UG, PG, M.Phil, Ph.D., and Integrated Masters; Integrated Ph.D., etc.):-

Name of Program Year of Establishment

UG B. E. Civil (2011)

4. Names of Interdisciplinary courses and the departments/units involved-

Sr. No.	Names of Interdisciplinary courses	Departments Involved
1	Applied Mathematics III	B.E. I Year Department
2	Communication English & Technical writing	B.E. I Year Department

5. Annual/semester/choice based credit system (Programme wise):-
B.E. Civil Engineering, Semester Pattern, credit based system (CBS)
6. Participation of the department in the courses offered by other departments:-

Sr. No.	Course Name (Subject Name)	Department
1	Basics of Civil Engineering	Department of B. E. I Year
2	Engineering Mechanics	Department of B. E. I Year

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:- NIL
8. Details of courses / programmes discontinued (if any) with reasons:-
NIL
9. Number of teaching posts

	Sanctioned	Filled
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Professors	1	0
Associate Professors	2	0
Asst. Professors	9	12

10. Faculty profile with name, qualification, designation, specialization,(D.Sc./ D.Litt./ Ph.D. / M.Phil. etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D.Students Guided for the Last 4 years
Mr. R. N. Patil	M. Tech. Ph.D. Submitted	Asst. Professor	Environmental	10 Years	NIL
Mr. K.V. Madurwar	M. Tech.	Asst. Professor	Geotechnical	6.0 Years	NIL
Mr. T. R. Patil	M. Tech.	Asst. Professor	Structure	4.5 Years	NIL
Mr. S. N. Shinde	M. Tech.	Asst. Professor	Structure	5.5 Years	NIL
Mr. N. B. Thikare	M. Tech.	Asst. Professor	Structure	2.5 Years	NIL
Ms. N. R. Gautam	M. Tech.	Asst. Professor	Geotechnical	7.0 Years	NIL
Ms. P. D. Dhawad	M. Tech.	Asst. Professor	Transportation	5.5 Years	NIL
Ms. P. K. Singh	M. Tech	Asst. Professor	Structure	2.0 Years	NIL
Ms. P. K. Jaiswal	M. Tech. Pursuing	Asst. Professor	Structure	3.5 Years	NIL
Mr. N. K. Bodkhe	M. E	Asst. Professor	Transportation	NIL	NIL
Mr. A. H. Khan	M. Tech.	Asst. Professor	Environmental	NIL	NIL
Mr. S. D. Wankhede	M. Tech.	Asst. Professor	Highway	NIL	NIL

11. List of senior visiting faculty:- NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) By temporary faculty: - NIL

13. Student-Teacher Ratio (programme wise):-
The Students- Teacher ratio is 18 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No.	Designation	Sanctioned	Available
1	Technical Staff	3	3
2	Lab Attendant	2	2

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Sr. No.	Qualification of Teaching Faculty	Number
1	Ph.D. Submitted	1
2	M. Tech/M.E.	10
3	M. Tech. Pursuing	1

16. Number of faculty with ongoing projects from a)National
b)International funding agencies and grants received:- NIL
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: - NIL
18. Research Centre/facility recognized by the University: - No.
19. Publications:

a) Publication per faculty:

Name of Faculty	Journal Publications		Conference Publications		Total
	Intl.	National	Intl.	National	
Mr. R. N. Patil	07	-	05	02	14
Mr. K. V. Madurwar	04	-	01	02	7
Mr. T. R. Patil	05		02	02	9

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Mr. S. N. Shinde	05		02		7
Mr. N. B. Thikare	11	-	-	04	15
Ms. N. R. Gautam	02	-	-	02	4
Ms. P. D. Dhawad	02	-	-	-	2
Ms. P. K. Jayswal	01	-	-	-	1
Total	37	0	10	12	-

- Number of papers published in peer reviewed journals (national/International) by faculty and students: -
 - a) Number of papers published by faculty

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	7	1	-		8
2015-16	20	3	-	4	27
2014-15	10	4		7	21
2013-14		1		1	2
2012-13	-	-	-	-	
2011-12	1	1	-	-	2
Total	38	0	10	12	

- b) Number of papers published by Students

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	----	----	---	74	74
2015-16	----	---	--	4	4
2014-15	----	----	---	4	4
2013-14	---	----	--	33	33
2012-13	----	----	---	35	35

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2011-12	----	---	--	----	----
Total	---	----	---	150	----

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

: 02

- Monographs : NIL
- Chapter in Books : NIL
- Books Edited : NIL
- Books with ISBN/ISSN numbers with details of publishers: NIL
- Citation Index : NIL
- SNIP : NIL
- SJR : NIL
- Impact factor
Impact Factor Range: Min.: 1.711 Max.: 6.391 Average: 4.199
- h-index : NIL

20. Areas of consultancy and income generated: - NIL

21. Faculty as members in

a) National committees

1. Indian Society for Technical Education (ISTE) :- 04
2. Indian Concrete Institute (ICI) :- 06
3. The Institution of Engineers (India) :- 02
4. Indian water work Association (IWWA) :- 01
5. Indian Geotechnical Society:- 01
6. Association of Consulting Civil Engineers(India) :- 01
7. Engineering Council of India(ECI) :- 02

b) International Committees

1. International Association of Engineers: - 02

c) Editorial Boards- Nil

22. Student projects

UG PROJECTS: B.E.		2015-16	2014-15
g. Percentage of students who have done in-house projects including inter departmental/program me		100%	100%
h. Percentage of students placed for projects in	Joint Project	NIL	NIL
	Industrial Co-guide	NIL	NIL

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organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies	Industry based projects	NIL	NIL
	Interdisciplinary projects	NIL	NIL
	Within institute co-guide	NIL	NIL

23. Awards/Recognitions received by faculty and students: -

a) Awards Recognition received by Faculty: NIL

b) Awards Recognition received by Students:

Sr. No.	Name of Students	Organizer	Academic	Rank/ Status	Event
1	Rahul Ilamkar	PBCOE	2016-17	Merit	Utkraanti-17
2	Suraj Lehale	PBCOE	2016-17	Merit	Utkraanti-17
3	Yuvraj Chhadi	PBCOE	2016-17	Merit	Utkraanti-17
4	Mayur Hande	PBCOE	2016-17	Merit	Utkraanti-17
5	Pramod Janbandhu	PBCOE	2016-17	Merit	Utkraanti-17
6	Sanket Vaidya	PBCOE	2016-17	Merit	Utkraanti-17
7	Kunal Kamdi	PBCOE	2016-17	Merit	Utkraanti-17
8	Aniket Deshmukh	PBCOE	2015-16	2	Utkraanti-16
9	Kartik Mude	PBCOE	2015-16	2	Utkraanti-16
10	Dinesh Raikohad	PBCOE	2015-16	2	Utkraanti-16
11	Rutuja Ganvir	PBCOE	2015-16	2	Utkraanti-16
12	Nitesh Lanjewar	PBCOE	2015-16	2	Utkraanti-16
13	Nitesh Lanjewar	PBCOE	2015-16	2	ADDHYAYAN
14	Aniket Deshmukh	PBCOE	2015-16	2	ADDHYAYAN
15	Dinesh Raikohad	PBCOE	2015-16	2	ADDHYAYAN
16	Kartik Mude	PBCOE	2015-16	2	ADDHYAYAN
17	Darshana Saharkar	SCOET	2014-15	1	TECHTRENDS-

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					2015
18	Kumar Sagar	SCOET	2014-15	1	TECHTRENDS-2015
19	Virbhadra Tiwari	SCOET	2014-15	1	TECHTRENDS-2015
20	Rajesh Kumar Singh	SCOET	2014-15	1	TECHTRENDS-2015
21	Sawan Kishore	SCOET	2014-15	1	TECHTRENDS-2015
22	Naveen Chadankhede	PJLCOE	2014-15	1	Techni-darshan-3.0
23	Aishwarya Gupta	PJLCOE	2014-15	1	Techni-darshan-3.0
24	Gauvrav Sarve	PJLCOE	2014-15	1	Techni-darshan-3.0
25	Ashwin Daunde	PJLCOE	2014-15	1	Techni-darshan-3.0
26	Suraj Pise	PBCOE	2014-15	2	ABHIKRUTI
27	Vivek Nandan	PBCOE	2014-15	2	ABHIKRUTI
28	Sana Hajare	PBCOE	2013-14	2	ADDHYAYAN
29	Chanakya Bante	IIT Bombay	2014-15	Excellence	Bridge Competition
30	Suraj Pise	IIT Bombay	2014-15	Excellence	Bridge Competition
31	Indrajeet Bobade	IIT Bombay	2014-15	Excellence	Bridge Competition
32	Rishabh junwale	IIT Bombay	2014-15	Excellence	Bridge Competition
33	Ashiwin Dounde	IIT Bombay	2014-15	Excellence	Bridge Competition
34	Suraj Lehale	IIT Bombay	2014-15	Excellence	Bridge Competition

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35	Sarthak Buradkar	IIT Bombay	2014-15	Excellence	Bridge Competition
36	Akshay Sathawane	IIT Bombay	2014-15	Excellence	Bridge Competition
37	Harshal Thote	YCC	2013-14	2	YASH 14
38	Shradha Urkude	YCC	2013-14	2	YASH 14

24. List of eminent academicians and scientists/visitors to the department: -

Sr. No.	Name of eminent academician/ scientist/ visitor	Designation	Organization	Date of Visit	Nature of Visit
1	Mr. Mahesh Balpande	Trainer	CADD Masters	02 March 2017	Guest lecture Expert
2	Mr. Sachin V. Mankawade	Director	Gate Forum	23 Feb. 2017	Guest lecture Expert
3	Prof. Atish Bawankar	Director	CADD Masters	17 Feb. 2017	Guest lecture Expert
4	Mr. Vibhav Srivastava	Faculty Member	Made Easy	14 Feb. 2017	Guest lecture Expert
5	Prof. Atish Bawankar	Director	CADD Masters	28 January 2017	Guest lecture Expert
6	Mr. Nikhil Revatkar	Trainer	CADD Masters	02 Sept. 2016	Seminar Expert
7	Mr. Gopal Khanzode	Executive	Made Easy	18 Aug. 2016	Seminar Expert
8	Mr. Praful Baid	Director, Astral	Astral info.	10 Aug. 2016	Chief guest of Auto cad workshop
9	Prof. Atish Bawankar	Director	CADD Masters	03 Aug. 2016	Guest lecture Expert
10	Dr. D. K. Agrawal	BCUD, Director,	RTMNU	19 March 2016	Chief guest of Adhayaan

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		RTMNU			
11	Dr. P. S. Lanjewar	HOD, Civil	RPCOE	19 March 2016	Adhayaan
12	Prof. Atish Bawankar	Director	CADD Masters	16 July 2016	Guest lecture Expert
13	Dr. M. S. Kadu	HOD, Civil	RCOEM	23 March 2015	Chief guest of Abhikruti

25. Seminars/Conferences/Workshops organized & the source of funding

- a) National Nil
b) International Nil

26. Student profile programme/course wise:

Sr. No.	Name of the Course/ programme	Name of Programme	Applications received	Enrolled	Enrolled		Pass	
					Male	Female	Odd Sem	Even Sem
1	2016-17	I Yr BE	As per admission process is governed by DTE. The rules and regulation of DTE are followed in the admission process	55	35	20		
		II Yr BE		73	46	27	63.16	
		III Yr BE		73	46	27	60.28	
		IV Yr BE		72	43	29	63.16	
2	2015-16	I Yr BE		51	31	20		
		II Yr BE		75	43	32	57.9	67.11
		III Yr BE		72	35	37	60.28	76.72
		IV Yr BE		58	20	38	87.94	91.38
3	2014-15	I Yr BE		47	32	15		
		II Yr BE		75	46	29	61.34	70.28
		III Yr BE		58	40	18	75.87	51.73
		IV Yr BE		26	19	7	92.31	92.31
4	2013-14	I Yr BE	64	43	21			
		II Yr BE	75	55	20	61.33	68.92	
		III Yr BE	26	19	7	88.46	84.62	

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	IV Yr BE	NA	NA	NA	NA	NA
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27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2016-17	98.33 %	1 (1.67 %)	--
2015-16	96.67%	2 (3.33 %)	--
2014-15	100%	0	--
2013-14	96.67%	2 (3.33 %)	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr No	Name of Exam	Academic Session	Number of Students appeared	No of students qualified	Qualified Student name
01	GATE	2016-17	13		
		2015-16	39		
		2014-15	24	1	Sana Hajare
		2013-14			

29. Student progression

Student progression			
	2015-2016	2014-2015	2013-2014
UG to PG	6 (10.34 %)	Nil	NA
PG to M. Phil.	NA	NA	NA
PG to Ph.D.	NA	NA	NA

Ph.D. to Post-Doctoral	NA	NA	NA
Employed	06 (10.34%)	Nil	NA
• Campus selection	02 (3.44%)	04 (15.38%)	NA
Entrepreneurship/Self-employment	01 (1.72%)	-	NA

30. Details of Infrastructural facilities a) Library

SN	Infrastructure facility	Details Related to Civil Dept.	Numbers Available
1	College Library: Total Area: 1214.01 sq.	Book Titles/Volumes UG	253 /1632
		National Journals	6
		E-journals	Del-Net
		NPTEL (Video CD)	01
		Springer online e-books	34
2	Departmental Library	Total No. of Text Book	75
		Project Thesis	22

b) Internet facilities for Staff & Students: -

1. The department is having the internet facility for the staff and the students.
2. The Wi-Fi enabled department having internet speed 35 mbps and the Auto Cad laboratory is connected with LAN.

c) Class rooms with ICT facility: -

The teaching aids available with the department are

1. Available No. of LCD Projectors: 01
2. All the Class rooms and Tutorial rooms are equipped with Green board and all laboratories are having the green board facility to explain the concepts and theory related to the practicals.
3. All the class rooms are well equipped with quality furniture to accommodate strength of around 60 and above students.
4. All the classrooms have a provision of proper air circulation, ventilations and lighting.
5. Seminar Hall has an audience capacity of around 120 with a facility of Projector, Dias, Podium and necessary furniture.

d) Laboratories

Sr. No.	Name of Laboratory	Total Area in	Total Cost of Equipments

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		Sq. Mtr.	(Rupees)
1	Structural Analysis	78.48	291,150
2	Strength of Material	67.98	412,051
3	Fluid Mechanics (Shearing)	150	419,320
4	Concrete technology	67.98	972,653
5	Geotechnical Engineering	78.48	489,807
6	Surveying	78.48	367,350
7	Transportation Engineering	67.98	398,598
8	Environmental Engineering	78.48	787,105
9	Engineering Geology	78.48	
10	Auto CAD	88.48	502,000

31. Number of students receiving financial assistance from college, university, Government or other agencies:-

Sr. No.	Academic Year	Category	No. of Students
1	2016-17	SC	54
		ST	04
		OBC	138
		NT	13
		SBC	21
		EBC(OPEN)	14
		MINORITY	04
		College Level	02
2	2015-16	SC	40
		ST	--
		OBC	113
		NT	9
		SBC	16
		EBC(OPEN)	40
		MINORITY	02
		College Level	11

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3	2014-15	SC	40
		ST	--
		OBC	113
		NT	11
		SBC	8
		EBC(OPEN)	36
		MINORITY	02
		College Level	
4	2013-14	SC	33
		ST	--
		OBC	86
		NT	8
		SBC	7
		EBC(OPEN)	31
		MINORITY	
		College Level	

32. Details on student enrichment programmes (special lectures/workshops/ Seminar) with external experts:-

A) Special lectures:

Sr. No	Guest (External Experts)	Topic	Date
1	Prof. Atish Bawankar	Auto CAD	28 January 2017
2	Mr. Vibhav Srivastava	Career Development	14 Feb 2017
3	Prof. Atish Bawankar	Structural Analysis Using STADD Pro.	17 Feb 2017
4	Mr. Sachin V. Mankawade	Careers in Civil Engineering	23 February 2017
5	Mr. Mahesh Balpande	REVIT Software	02 March 2017
6	Prof. Atish Bawankar	MSP Primavera.	03 August 2016
7	Prof. Atish Bawankar	Structural Analysis Using STADD Pro	16 July 2016

B) Workshops:

Sr. No	Guest/ Organisation	Topic	Date
1	IIT Channi	Solar Energy	26-17 Sep 2016
2	ASTRAL	STADD Pro.	4-5 Aug 2016

3	ASTRAL	Auto CAD.	10-11 Aug 2016
4	IIT Madras	Tall Building Design	15-16 Feb 2016
5	IIT Mumbai	Bridge Design	16-17 JAN 2015

C) Seminar:

Sr. No	Guest (External Experts)	Topic	Date
1	Mr. Nikhil Revatkar	REVIT	02 September 2016
2	Mr. Gopal Khanzode	Career Development	18 August 2016

33. Teaching methods adopted to improve student learning
- Effective class room teaching with experienced faculty.
 - Projector and related PPTs are use for the teaching of difficult and practical based topics.
 - Use of NPTEL and other practical based videos for different subjects.
 - Tutorial classes are use for solving the university questions banks and other important questions.
 - Organizing various industrial visits and tours to make aware the student related to the recent development in the sector of infrastructures and real estate.
 - Organizing guest and expert lectures on different topics to make aware the students about the recent technologies and research development in the field of Civil Engineering.
 - Continuous evaluation through Class Tests, Assignments and Sessional examination.
 - Remedial classes conduction for the academically weak students.
 - Motivating the students to participate in various state and national level technical events such as paper presentation, workshops, seminars, technical talks, project competitions etc.
 - Student's feedback system is implemented once in a mid semester to introduce innovative teaching and learning skill methodologies.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr. No	Academic Year	Name of the Activity	No. of students participated	Venue
1	2016-17	Vruksha Dindi	5	Organized by Nagpur University

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2		Tree Plantation	24	PBCOE& sai Mandir
3		Swacha Bharat Rally	13	PBCOE(Ramana Maroti)
4		Traffic Rule Awareness Program	24	PBCOE
5		Donate Organ rally	5	Organized by Nagpur University
6		Donate for Education	5	Walmiki Balsadn Anathalaya
7		State Level Student Conference	5	VasantRao Deshpande Hall Organized by Nagpur University
8.		Blood Donation Camp	29	PBCOE
9.		Cashless India Campaign	29	PBCOE
10.		Voter Awareness Rally	5	Organized by Nagpur University
11.		Save Water Save Planet Rally	20	PBCOE(Ramana Maroti)
1	2015-16	Blood Donation Camp	28	PBCOE
2		Tree Plantation	28	PBCOE
3		Waste Collection Program	28	Raja Baksha Temple, Nagpur
4		Shramdan	28	Bada Taj bagh, Nagpur
5		Hypnotism Program	28	PBCOE(MR.GAIKWA D,HYPNOSIS
1	2014-15	Green Revolution & plastic Awareness	42	PBCOE
2		Vysan Mukti Vakhyan	42	PBCOE (Divine India Youth Association)
3		Tree Plantation	42	PBCOE
4		Sanitation Awareness	42	PBCOE
5		Swacha Bharat Sundar Bharat	42	Bada Taj bagh, Nagpur

6		Shramdan	42	Panchawati Ashram, Nagpur
7		Spiritual lecture	42	Gaytri Pariwar, Nagpur
1	2013-14	Blood Donation Camp	10	PBCOE
2		Sahaj Yoga Dhyana	10	PBCOE (Vishva Shanti Group)
3		Tree Plantation	10	PBCOE
4		Fuel Saving Program	10	Medical Square, Nagpur
5		Sport Activity for Deep & Dumb School	10	Saraswati Vidya Mandir Shankar Nagar, Nagpur
6		Quiz & Sport Competition for Orphan School	10	Orphan School ,LakadGanj, Nagpur
7		Save Nag River	10	Triveni Sangam ,Near Sita Burdi,Nagpur
8		Jivan Jeene Ki Kala	10	PBCOE(By Mr.S.Agarkar)

35. SWOC analysis of the department and Future plans:-

Strengths:

- Well Qualified, Experienced, Motivated and young Faculty.
- Industrial and academics experienced faculty.
- Comprehensive and Effective teaching learning process
- Excellent departmental Infrastructure
- Dynamic Committed faculty
- Disciplined staff and students
- Well equipped laboratories
- Our students are regularly achieving university ranks right from the starting of department.
- Department frequently arranges guest lectures, industrial visits and industrial tours for students.
- The department has high speed internet connectivity and is WiFi enabled campus

- Strong administrative and financial support
- Strong commitment to provide specialized and practical education
- Selection of committed and highly experienced faculty/staff.

Weaknesses:

- Less number of faculties pursuing PhD.
- Lack of funded projects
- Less interaction with industry expert
- Less number of SCI and SCOPUS indexed journal publications

Opportunities

- Industry-academic interactions enhance research opportunities in the sector of Civil Engineering.
- To enhance research grants and consultancy activities under various funding schemes.
- Certificate programmes can be start related to the civil engineering such as, Surveyor, Construction safety, Maintenance & Rehabitations, Draftsman etc.
- To enhance the activities of R& D cell.
- To increase level of motivation and quality of students
- To work on the industrial problems with through the collaborative activities.
- To increase the placements.
- Support to the students to work on more industrial and live projects.

Challenges

- To upgrade the student's as per the requirement of industry.
- Fluctuating demand in industry
- Recession in Industries
- To keep motivate the students for self employment.
- To increase placement of students
- To keep faculty updated with latest technology.

Future plans of the department

- To start post graduate programmes in the field of Environmental and Structural Engineering
- To encourage faculty for acquiring higher qualifications.
- To establish industry / academic interactions or collaborations with reputed external organizations
- To encourage the students to become entrepreneurs

Department of Mechanical Engineering

1. Name of the department: **Mechanical Engineering Department**

2. Year of Establishment: **2010**

3. Names of Programme / Courses offered: **UG (B.E.)**

4. Names of Interdisciplinary courses and the departments/units involved

Sr. No.	Name of Interdisciplinary courses	Department involved
01	Environmental Studies	B.E. I st Year Department
02	Functional English	B.E. I st Year Department
03	Computer Application-I	Department of Computer Science and Engineering
04	Computer Application-II	Department of Computer Science and Engineering
05	Applied Mathematics-III	B.E. I st Year Department
06	Applied Mathematics-IV	B.E. I st Year Department

5. Annual/ semester/choice based credit system (Programme wise)

B.E. Mechanical Engineering, Semester Pattern, credit based system (CBS)

6. Participation of the department in the courses offered by other departments

Sr. No.	Name Of Courses	Course Offered By Departments
01	Engineering Graphics-I (Theory + Practical)	First Year
02	Engineering Graphics-II (Practical)	First Year
03	Workshop (Practical)	First Year

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of courses/programmes discontinued (if any) with reasons

Nil

9. Number of Teaching posts

	Sanctioned	Filled
Professors	2	-
Associate Professors	4	-
Asst. Professors	18	24

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. R.K.Pohane	M.Tech PhD (Submitted)	Asst.Prof	Mechanical Engineering Design	2+20=22	-
Prof. S.M.Pimpalgaonkar	M.Tech	Asst.Prof	Industrial Engineering	6+5.5=11.5	-
Prof.A.B.Ganorkar	M.Tech PhD (Pursuing)	Asst.Prof	Heat Power Engineering	1+7=8	-
Prof. S. V. Borkar	M.Tech	Asst.Prof	Heat Power Engineering	1+9=10	-
Prof S.V.Kale	M.Tech	Asst.Prof	Mechanical Engineering Design	4+6=10	-
Prof. S. G. Ghugal	M.Tech	Asst.Prof	Mechanical Engineering Design	2+9=11	-
Prof. S.P. Daf	M.Tech	Asst.Prof	Industrial Engineering	0+5.5=5.5	-
Prof. A. D. Anjekar	M.Tech	Asst.Prof	Mechanical Engineering Design	0+8=8	-
Prof. R.R.Yawalkar	M.Tech	Asst.Prof	Heat Power Engineering	3.5+1.5=5	-
Prof. M.M.Wandhare	M.Tech	Asst.Prof	Heat Power Engineering	0+6=6	-
Prof.K.D.Ganvir	M.Tech	Asst.Prof	CAD/CAM	0+6=6	-
Prof.V.L.Jivtode	M.Tech	Asst.Prof	CAD/CAM	0+7=7	-
Prof.A.S.Jadhav	M.Tech	Asst.Prof	Heat Power Engineering	Fresher	-
Prof. N.Z.Adkane	M.Tech	Asst.Prof	Heat Power Engineering	0+3=3	-
Prof.N.D. Pachkawade	M.Tech	Asst.Prof	Mechanical Engineering Design	2+4.5=6.5	-
Prof.S.P.Gurway	M.Tech	Asst.Prof	CAD/CAM	0+4=4	-
Prof.R.D.Bokde	M.Tech	Asst.Prof	CAD/CAM	0+1.5=1.5	-
Prof.P.G.Bokade	M.Tech	Asst.Prof	Heat Power Engineering	0+1=1	-
Prof.N.K.Gedam	M.Tech	Asst.Prof	CAD/CAM	0+2=2	-

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Prof.P.H.Dahake	M.Tech	Asst.Prof	Mechanical Engineering Design	0+1=1	-
Prof.A.R.Durugkar	M.Tech	Asst.Prof	Mechanical Engineering Design	1.5+2=2	-
Prof.B.R.Wandhारे	M.Tech	Asst.Prof	Heat Power Engineering	0+1=1	-
Prof.G.T.Dhanre	M.Tech	Asst.Prof	Heat Power Engineering	0+0=1	-
Prof.R.S.Panchbhारी	M.Tech	Asst.Prof	CAD/CAM	Fresher	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise)

Student -Teacher Ratio : 18 : 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Technical Staff	5	5
Lab Attendant	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr. No.	Qualification of Teaching Faculty	Number
01	Ph D Submitted	01
02	Ph D Pursuing	01
03	M Tech/M.E.	22

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Nil

18. Research Centre /facility recognized by the University

Nil

19. Publications:

a) Publication per faculty

Sr	Name of faculty	International	National	Total
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no.		Journal	Conference	Journal	Conference	
1	Prof.R.K.Pohane	7	2	-	1	10
2	Prof.S.M. Pimpalgaonkar	3	1	-	1	5
3	Prof.A.B.Ganorkar	2	2	-	1	5
4	Prof.S.V.Kale	5	2	-	2	9
5	Prof.S.V.Borkar	4	4	-	2	10
6	Prof.S.G.Ghugal	6	2	-	2	10
7	Prof.S.P.Daf	14	3	-	3	20
8	Prof.A.D.Anjekar	6	1	-	1	8
9	Prof.V.L.Jiwade	5	1	-	-	6
10	Prof.K.D.Ganvir	1	-	-	-	1
11	Prof.M.M.Wandhare	4	-	-	-	4
12	Prof.R.R.Yawalkar	2	1	-	2	5
13	Prof. R.D.Bokade	2	1	-	-	3
14	Prof. N. Pankawade	-	-	-	1	1
15	Prof. A. Jadhav	1	-	-	-	1

Session	Publication			
	International Journals	International Conference	National Journal	National Conference
2016-2017	02	03	-	08
2015-2016	32	15	-	10
2014-2015	15	03	-	-
2013-2014	01	-	-	-
2012-2013	02	-	-	-
2011-2012	02	-	-	-

Number of papers published in peer reviewed journals (national /international) by faculty and students:

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil
- Monographs : Nil
- Chapter in Books : Nil
- Books Edited : Nil
- Books with ISBN/ISSN numbers with details of publishers : Nil
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- Impact factor : **Min: 0.776 Max:4.45 Average:2.943**
- h-index: Nil

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

- a) National committees Nil
- b) International Committees Nil
- c) Editorial Boards Nil

Faculties are having memberships of professional bodies like ISTE, IE(I), IAENG.

22. Student projects

UG Projects B.E.		2013-14	2014-15	2015-16	2015-16
Percentage of students who have done in-house projects including inter departmental/programme		100%	92.86	92.30	93.75
Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies	Joint Project	Nil	Nil	Nil	Nil
	Industrial Co-Guide	Nil	Nil	Nil	Nil
	Industry based projects	Nil	7.14	7.70	6.25
	Interdisciplinary Projects	Nil	Nil	Nil	Nil
	Within institute co-guide	Nil	Nil	Nil	Nil

23. Awards / Recognitions received by faculty and students:

B) Awards / Recognitions received by students:

Sr. No	Name of Students	Organization	Academic Year	Rank/Status	Event
01	Ritesh Nasare	P.B.C.O.E.	2016-2017	I st	Krida

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	Shubham Kurrewar Shubham Bagade Shubham motghare Umakant Sarode Praful Makde Shubham Dhapke Sahebaj Khan	Nagpur			mahotsav Valley Ball
02	Aniket K. Thak	Government of Puducherry Department of Tourism	2016-2017	-	International Yoga Festival 2017
03	Aniket K. Thak	Wardha Jilha Yoga Parishad	2016-2017	4 th	Maharastra State Yogasana Championship
04	Shubham Dahat , Akshay Hirudkar , Rameshkumar Jangid shubham Kharadbhajane, Akshay Thakur	S.C.O.E.T. , Nagpur	2015-2016	I st	Sport Meet Box Cricket
05	Tushar Kondalkar	Suryoday college of engineering and technology	2015-2016	I st	TECHTRE NDS-2015 mega events for engineering
06	Kunal Singh , Digvijay Murmu , Amardeep Kumar , Ashok Kumar Law , Anup Ozha Shubham Motghare , Mithilesh Saha	P.B.C.O.E. Nagpur	2014-2015	I st	Sport Meet Valley Ball
07	Tushar Kondalkar	IIT Bombay	2014-2015	II nd	Techfest 2015
08	Tushar Kondalkar	YCCE,Nag pur	2014-2015	I st	ICON 14.0 A national level technical fest
09	Akash P. Timande	K.K.M. Swimming Pool	2013-2014	1 ST	Late Naresh Garge District

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		Nagpur			:Lever Swimming Champions hip
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24. List of eminent academicians and scientists / visitors to the department

Sr.No.	Name of eminent academician/ scientist/visitor	Designation	Organization	Date of Visit	Nature of Visit
01	Prof.A.R.Sahu	Prof.	G.H.R.A.O.E, Nagpur	18 th March 2017	Judge for Expression (National Level Paper Presentation)
02	Prof.P.V.Washimkar	Prof.	N.I.T.C.O.E, Nagpur	18 th March 2017	Judge for Innovation (National Level Project Competition)
03	Prof. N. C. Moharil	Director,	NPTI, Nagpur	8 th – 10 th September 2016	Workshop
04	Prof. R. Hiwase,	Prof.	BDCOE,Nagpur	19 th March 2016	Judge for Expression (National Level Paper Presentation)
05	Mrs. Vidyangini	H.R.Manager	Cryptex Technologies Pvt. Ltd, Nagpur	21 st Feb 2015	Guest for Annubhuti
06	Dr. M.M.Yienky Ex-Director LIT	Pro VC-	RTMNU	21 st Feb 2015	Guest for Annubhuti
07	Prof. K.S.Raizada	Prof	A.C.O.E, Wardha	12 th Feb 2014	Judge for Expression (National Level Paper Presentation)
08	Prof. A. Andhare	Prof.	S.R.B.C.O.E.M.	12 th Feb 2014	Judge for Innovation (National Level Project Competition)

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National Nil
b) International Nil

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26. Student profile programme/course wise:

Academic Year	Name of Programme	Applications received	Selected	Enrolled		Pass percentage	
				* M	*F	Odd Sem	Even Sem
2016-2017	I Yr. B.E	Admission Process by DTE					
	II Yr. B.E		153	148	05	45.09	
	III Yr. B.E		142	140	02	51.40	
	IV Yr. B.E		140	135	05	70.00	
2015-2016	I Yr. B.E						
	II Yr. B.E		145	142	03	44.13	49.66
	III Yr. B.E		148	143	05	55.41	47.29
	IV Yr. B.E		96	92	04	75.88	93.88
2014-2015	I Yr. B.E						
	II Yr. B.E		144	138	06	50.68	40.28
	III Yr. B.E		106	102	04	59.43	74.50
	IV Yr. B.E		99	96	03	86.10	96.99
2013-2014	I Yr. B.E						
	II Yr. B.E		151	148	03	29.8	32.45
	III Yr. B.E		107	104	03	66.03	72.00
	IV Yr. B.E		32	32	0	78.10	100

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad

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B.E.(Mech) 2016-2017	99.21%	0.79%	-
B.E.(Mech) 2015-2016	100%	-	-
B.E.(Mech) 2014-2015	99.17%	0.83%	-
B.E.(Mech) 2013-2014	99.17%	0.83%	-

9. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense

Sr. No.	Name of Exam	No. of Students							
		2013-2014		2014-2015		2015-2016		2015-2016	
		No. of Student appeared	No. of Student Cleared	No. of Student appeared	No. of Student Cleared	No. of Student appeared	No. of Student Cleared	No. of Student appeared	No. of Student Cleared
01	GATE	11	-	61	01	38	-	51	-
02	Defense services	02	02	-	-	-	-	-	-

services, etc.?

29. Student progression

Student progression	Against % enrolled		
	2013-2014	2014-2015	2015-2016
UG to PG	03 (0.03%)	04 (0.04 %)	(0 %)
PG to M.Phil.	NA	NA	NA
PG to Ph.D.	NA	NA	NA
Ph.D. to Post-Doctoral	NA	NA	NA
Employed • Campus selection • Other than campus recruitment	3 (0.25 %)	0 (0 %)	13 (0.37 %)
	12	19	04
Entrepreneurship/Self-employment	2	1	-

30. Details of Infrastructural facilities

A) Library

Centre Library	
Total No. of Text Book	2288
Total No. of Reference Book	340
No. of E-Book	18
National Journals	12
E-journals	Del-Net
NPTEL (Video CD)	02
Department Library	
Total No. of Text Book	96
No. of E-Book	18
Project Thesis	32
NPTEL Video	13
NPTEL Web Material	5

B) Internet facilities for Staff & Students:

- The Department is fully Wi-Fi enabled so that students have access, via the University portal, College ERP portal to a universe of learning resources from all over the world.
- Department has a well-designed and generously furnished Internet Resource Centre (IRC) which is made good use of by students.
- Faculty members too have access to this. In their case, they have a dedicated room with computers in the departmental library itself where they can work undisturbed for as long as they wish.

C) Class rooms with ICT facility:

The teaching aids available with the department are

No.of LCD Projectors: 01

No.Of Writing Boards: 08

No. of White Board: 01

- Each classroom/tutorial room is equipped with Green board and all laboratories are provided with green board to explain the concept related to practical
- The classroom is equipped with good quality of furniture to accommodate strength of around 70 students.
- Each room is located with good air circulation, good lighting and the ambience is good.
- Seminar hall is equipped with an audience capacity of 120. Seminar hall is provided with projector, Podium, Sound System and with necessary Furniture.

D) Laboratories

Sr. No.	Name of Laboratory	Total Area in Sq. mtr	Total Cost of equipment
01	Engineering Metallurgy	80	5,81,406.00
02	Machine Shop &	203.92	29,77,714.70+94,962.00

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	Foundry		=3072676.7
03	Dynamic of Machine & Mechanical Measurement	82.78	4,90,164.00+10,01,914 =1492078
04	Fluid Power		18,92,526.00
05	Heat Transfer	71.77	5,08,783.00
06	Refrigeration and Air Conditioning	87.79	5,20,192
07	I.C.Engine & Energy Conversion	66.0	12,48,991
08	Computer Aided Design	102.78	8,00,000
09	Computer Lab	110.84	8,00,000
10	Machine Drawing Hall	122.23	1,50,000
11	Mechatronics	71.18	12,52,802

31. Number of students receiving financial assistance from college, university,

Government or other agencies

Sr. No.	Academic Year	Category	No. of Students
01	2016-2017	SC	86
		ST	4
		OBC	315
		NT	24
		SBC	26
		EBC	-
		MINORITY SCHOLARSHIP	7
		COLLEGE	05
02	2015-2016	SC	62
		ST	2
		OBC	255
		NT	17
		SBC	18
		EBC	-
		MINORITY SCHOLARSHIP	15
		COLLEGE	11
03	2014-2015	SC	64
		ST	3
		OBC	255

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		NT	17
		SBC	22
		EBC	-
		MINORITY SCHOLARSHIP	15
		COLLEGE	-
04	2013-2014	SC	58
		ST	2
		OBC	229
		NT	14
		SBC	17
		EBC	-
		MINORITY SCHOLARSHIP	19
		COLLEGE	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts.

A) Special lectures:

Sr. No	Guest (External Experts)	Topic	Date
01	Mr.Monish Suryawanshi	Design Application In Mechanical Engineering	01/02/2017
02	Mr.Rishi Chourasias	Aptitude Enhancement	31/01/2017
03	Mr. A. R. Trivedi	Management Skills	18/09/2015
04	Mr. Ritesh Kumar	Trend In Finite Element Analysis For Product Design	07/02/2015
05	Mr. Mahesh Bawankar	Advance Engineering	15/01/ 2015
06	Dr. Kiran Kurjekar Dr. P Shingade	Mobile Radiation And Water Pollution	20/09/2014
07	Mr. Sudhir Koche	Role Of Mechanical Engineering And Future Prospects	10/09/2014

B) Workshops:

Sr. No	Guest/ Organisation	Topic	Date
01	Mr. Vijay Sharma /(Chief Executive	Creo And Ansys	21 st -22 nd March 2016

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	Cad Academy)		
02	Mr. Amol Barai Astral	Automation In Mechanical Design	9 th and 10 th March 2016
03	Prof. N. C. Moharil, Director, NPTI	Various Aspects Of Power Sector	8 th – 10 th September 2016
04	Robospecies Technology Pvt.Ltd.	Robo- Zest	11 th -12 th September 2014

C) Seminar:

Academic Year	Name of Program
2016-2017	ADDHYAYAN Expression (National Level Paper Presentation)
2015-2016	ADDHYAYAN Expression (National Level Paper Presentation)
2014-2015	ANUBHUTI (National Level Paper Presentation)
2013-2014	ADDHYAYAN Expression (National Level Paper Presentation)

33. Teaching methods adopted to improve student learning:

- LCD
- Overhead Projector
- Two- Assignment per semester
- Solution of Assignment and Rewriting by Weak student
- University Paper solutions
- Revision of previous date Lecture during first 5min of teaching
- Interaction with students during teaching
- NPTEL video
- Industrial visit and tour
- Models charts and PPT

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

Sr. No.	Academic Year	Name of the Activity	No. of students Participated	Venue
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01	2016-2017	Save Water Save Planet Rally	65	PBCOE,Nagpur
		Cashless India Campaign	105	PBCOE,Nagpur
		Voter Awareness Rally	30	RTMNU Nagpur University
		Blood Donation Camp	52	PBCOE,Nagpur
		State Level Student Conference	30	RTMNU Nagpur University
		Donate For Education	35	Valmiki Balsadan,rameshwari,nagpur
		Traffic Rule Awareness Program	110	PBCOE,Nagpur
		Swachaa Bharat Rally	60	PBCOE,Nagpur
		Tree Plantation	110	PBCOE & Sai mandir,Ayodhya Nagar,nagpur
		Vruksha Dindi	30	RTMNU Nagpur University
		Tree Plantation	105	PBCOE,Nagpur
		Hypnotism Program	110	PBCOE,Nagpur
		Shramdan	50	Bada Taj bagh nagpur
		Waste Collection Program	50	Raja Baksha,Nagpur
		Blood Donation Camp	60	PBCOE,Nagpur
		Swachaa Bharat Sundar Bharat	75	PBCOE,Nagpur
		Sanitation Awareness	80	PBCOE,Nagpur
Tree	100	PBCOE,Nagpur		

		Plantation		
		Vyasan Mukti Vyakhyan	70	PBCOE,Nagpur
		Green Revolution And Plastic Awareness Program	80	PBCOE,Nagpur
		Spirutual Lecture	85	PBCOE,Nagpur
		Shramdan	40	Panchwati Ashram,nagpur
		Save Nag River	30	Triveni Sangam near Sita Burdi nagpur
		Jeevan Jeene Ki Kala	65	PBCOE,Nagpur
		Quiz And Sport Competition For Orphan School	45	Orphan School,lkadganj,nagpur
		Sport Activity For Deep And Dumb School	50	Saraswati Vidya mandir,Shankar nagar ,nagpur
		Fuel Saving Program	55	Medical Square nagpur
		Tree Plantation	105	PBCOE,Nagpur
		Sahaj Yoga Dhyan	95	PBCOE,Nagpur
		Blood Donation Camp	60	PBCOE,Nagpur
02	2015-2016	Voter Awareness Rally	22	RTMNU Nagpur University
		Blood Donation Camp	28	PBCOE,Nagpur
		State Level Student Conference	19	RTMNU Nagpur University
		Donate For Education	29	Valmiki Balsadan,rameshwari,nagpur
		Traffic Rule	26	PBCOE,Nagpur

		Awareness Program		
		Swachaa Bharat Rally	26	PBCOE,Nagpur
		Tree Plantation	28	PBCOE & Sai mandir,Ayodhya Nagar,nagpur
		Vruksha Dindi	24	RTMNU Nagpur University
		Tree Plantation	32	PBCOE,Nagpur
		Hypnotism Program	29	PBCOE,Nagpur
		Shramdan	26	Bada Taj bagh nagpur
		Waste Collection Program	22	Raja Baksha,Nagpur
		Blood Donation Camp	24	PBCOE,Nagpur
03	2015-2014	Green Revolution & Plastic Awareness Program	22	PBCOE
		Vysan Mukti Vakhyan	28	PBCOE (Divine India Youth Association)
		Tree Plantation	15	PBCOE
		Sanitation Awareness	14	PBCOE
		Swacha Bharat Sundar Bharat	28	Bada Taj bagh,Nagpur
		Shramdan	31	Panchawati Ashram,Nagpur
		Spirutual Lecture	21	Gaytri Pariwar,Nagpur

04	2013-2014	Blood Donation Camp	18	PBCOE
		Sahaj Yoga Dhyan	12	PBCOE (Vishva Shanti Group)
		Tree Plantation	15	PBCOE
		Fuel Saving Program	16	Medical Square,Nagpur
		Sport Activity For Deep & Dumb School	14	Saraswati Vidya Mandir Shankar Nagar,Nagpur
		Quiz & Sport Competition For Orphan School	22	Orphan School ,LakadGanj,Nagpur
		Save Nag River	32	Trivenni Sangam ,Near Sita Burdi,Nagpur
		Jivan Jeene Ki Kala	21	PBCOE(By Mr.S.Agarkar)

35. SWOC analysis of the department and Future plans:

Strength:

- ❑ Experienced and young qualified faculty members.
- ❑ Well Equipped Laboratory and infrastructure.
- ❑ MOU with Industry.

Weaknesses:

- ❑ Focus towards research activities needed.
- ❑ More focus is needed towards development of faculty through training and workshops.
- ❑ Lack of funded project.
- ❑ Lack of Industrial collaboration.

Opportunity:

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- ❑ Alumni Networking for Academic and placement activities.
- ❑ With good industry interaction, industry sponsored research laboratories can be setup.

Challenges:

- ❑ Securing healthy Placement for all students.
- ❑ Communication Skill improvement in the students

Future plans:

- ❑ To start PG course.
- ❑ Development of Research & development activities.

Department of Electronics Engineering

1. **Name of the Department** : Electronics Engineering
2. **Year of establishment** : 2007
3. **Name of the Programmes/Courses offered** (UG, PG,M.Phil, Ph.D., Integrated Masters, Integrated Ph.D., etc)

Name of the Programme/Course	Courses Offered	Intake
B.E. Electronics Engineering	UG	60

4. **Names of Interdisciplinary Courses and the departments/Units involved**

Sr. No.	Name of interdisciplinary Courses	Department Involved
1	Applied Mathematics-III	B.E. First Year
2	Network Analysis and Synthesis	B.E. First Year (Electrical Engg.)
3	Object Oriented Programming and Data Structure	Computer Science and Engineering Department
4	Environmental Studies	B.E. First Year
5	Applied Mathematics-IV	B.E. First Year
6	Power Devices and Machines	B.E. First Year (Electrical Engg.)
7	Industrial Economics and Entrepreneurship Development	B.E. First Year
8	Functional English	B.E. First Year
9	Control System Engineering	B.E. First Year (Electrical Engg.)

5. **Annual/Semester/Choice based Credit system (Programme wise)**
Semester Pattern – Credit based System

6. **Participation of the department in the courses offered by other departments**

Sr. No.	Course Name	Department
1	Digital Circuits and Fundamental of Microprocessor	Computer Science and Engineering
2	Digital Electronics And Fundamental of	Information Technology

	Microprocessor	
3	Data Communication	Computer Science and Engineering & Information Technology
4	Mechatronics	Mechanical Engineering
5	CMOS VLSI Design	M. Tech. (Electronic & Communication Engineering)

7. **Courses in Collaboration with other universities, industries, foreign institutions, etc** Nil

8. **Details of Courses/Programmes discontinued (if any) with reasons**

Name of the Programme Discontinued	Courses	Intake
B.E. Electronics Engineering	UG	60

The course is discontinued from session 2016-17 due to continuous and drastic fall in admissions in Electronics Engineering Course in last four years throughout the region and state.

9. **Number of Teaching Posts**

Under Graduate Course		
B.E.	Sanctioned	Filled
Professors	1	Nil
Associate Professors	2	Nil
Assistant Professor	9	12

10. **Faculty Profile with name, Qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. etc)**

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. students guided for last 4 years
Mr. P.R. Bokde	Ph.D. * M.Tech.	Assistant Professor	VLSI	16 years Teaching	Nil
Ms. S.B. Dhoble	Ph.D. * M.Tech.	Assistant Professor	Electronics	14 years Teaching	Nil
Mr. P.M. Palkar	Ph.D. # M.Tech.	Assistant Professor	Digital Electronics	14 years Teaching + 03 years industrial	Nil
Mr. P.N.	Ph.D. #	Assistant	VLSI	10 years	Nil

Aerkewar	M.Tech.	Professor		Teaching + 03 years industrial	
Ms. S.D. Bhoyar	M.Tech.	Assistant Professor	Embedded Systems	3 years Teaching	Nil
Ms. Leela Bitla	M.Tech.	Assistant Professor	VLSI	8 years Teaching	Nil
Ms. Neha Denge	M.Tech	Assistant Professor	Integrated Power System	07 months	Nil
Ms. J. Sahu	B.E.	Assistant Professor	Electronics	2.5 years	Nil
Ms. N. Gehlot	B.E.	Assistant Professor	Electronics	2.5 years	Nil
Ms. R.R. Rewatkar	M. Tech #	Assistant Professor	Electronics & Communication	7 months	Nil
Ms. P.V. Thakre	M. Tech #	Assistant Professor	Electronics & Telecommunications	03 months	Nil
Ms. S.K. Kamdi	B.E.	Assistant Professor	Electronics & Telecommunications	03 months	Nil

-indicates Pursuing * indicates -Ph.D. Thesis Submitted

11. List of Senior Visiting Faculty : NIL

12. Percentage of Lectures delivered and Practical Classes handled (Program wise) by temporary faculty : Nil

13. Student – Teacher Ratio (Programme wise) : 15 : 1

14. Number of Academic support staff (technical) and administrative staff ; sanctioned and filled :

Academic Support Staff	Sanctioned	Filled
Laboratory Assistant	02	02
Laboratory Attendant	02	02

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D./M.Phil/PG

Qualifications of Teaching faculty	No. of Faculty
Ph.D. Submitted	02
Ph.D. Pursuing	02
M.Tech. /ME	03

M.Tech/ ME Persuing	02
B.E.	03

16. **Number of faculty with ongoing projects from a)National b)**

International funding agencies and grants received:

National : Nil

International : Nil

17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc and total grants received : Nil**

18. **Research Centre/Facility recognized by the university : No**

19. **Publications :**

(A) Paper Published by Faculty :

S.N.	Name of Faculty	No. of Publications From 2011-12 till date				Total
		Journal		Conference		
		International	National	International	National	
1	Mr. P.R. Bokde	8	0	2	2	12
2	Ms. S.B. Dhoble	9	0	4	1	14
3	Mr. P.M. Palkar	8	0	2	0	10
4	Mr. P.N. Aerkewar	5	2	1	2	10
5	Ms. S.D. Bhoyar	6	0	1	5	12
6	Ms. Leela Bitla	7	0	5	4	16

(B) Number of papers published in peer reviewed journals

(national /International l) by faculty and students

Faculty :

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	09	00	01	04	14
2015-16	13	00	05	00	18
2014-15	05	00	03	00	08
2013-14	12	00	02	05	19
2012-13	06	00	03	00	09
2011-12	01	00	00	02	03
Total	46	00	14	11	

Student:

Year	Journal Publications		Conference Publications		Total
	International	National	International	National	
2016-17	00	00	01	04	05

2015-16	00	00	01	31	32
2014-15	00	00	00	03	03
2013-14	00	00	00	16	16
Total	00	00	02	54	

❖ Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

: Nil

❖ Monographs : Nil

❖ Chapter in Books : Nil

❖ Books Edited : Nil

❖ Books with ISBN/ISSN numbers with details of publishers : Nil

❖ Citation Index

SN	Name of Author/s	Citation Index
1	Mr. P.R. Bokde	2
2	Ms. S.B. Dhoble	5

❖ SNIP: NIL

❖ SJR: NIL

❖ Impact factor

Impact Factor Range: Min.: 0.287 Max.: 4.45 Average: 1.96

❖ h-index

S.N.	Name	<i>h-Index</i>
1.	Mr. P.R. Bokde	1
2.	Ms. S.B. Dhoble	1

20. Area of consultancy and income generated : Nil

21. Faculty members in

(a) National Committees : Nil

(b) International Committees : Nil

(c) Editorial Boards : Nil

22. Student Projects

(a) Percentage of students who have done in-house projects including inter departmental/programme :

(b) Percentage of students placed for projects in organizations outside the institution i.e, in Research laboratories/Industry/Other agencies :

UG PROJECTS B.E.		
a. Percentage of Students who have done in-house projects including inter departmental/Programme	100 %	
b. Percentage of Students placed for projects in organizations outside the institution i.e. in Research Laboratories/Industry/ other agencies	Joint Project	NIL
	Industrial Co-Guide	NIL
	Industry based Projects	NIL
	Interdisciplinary Projects	NIL
	Within institute co-guide	NIL

23. Awards / Recognitions received by faculty and students

(A) Awards / Recognition received by faculty

S.N.	Name of Faculty	Organizer	Academic Year	Rank/Status	Event
1	Ms. S.B. Dhoble	Tulsiram Gaikwad College of Engineering	2016-17	Best Paper	3 rd International Conference "TechEd-17"
2	Mr. P.R. Bokde	Shri Dutta Meghe Polytechnic, Nagpur	2013-14	Best Paper	Paper Presentation in National Level Conference on advanced communication & Matlab (NCACM-14)
3	Ms. Sheetal Bhoyar	G.H. Raisonni College of Engineering	2013-14	1 st	National Conference Innovative Research trends in Computer Science Engineering and Technology
4	Ms. Sheetal Bhoyar	G.H. Raisonni College of Engineering	2013-14	Silver medal and certificate of Merit	National Conference Innovative Research trends in Computer Science Engineering and Technology
5	Mr. P.R. Bokde	Priyadarshini	2009-10	1 st	Paper Presentation

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		College of Engineering, Nagpur			in National Level Conference
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(B) Awards / Recognition received by Student

S.N	Name of Student(s)	Organizer	Academic Year	Rank/Status	Event
1	Ms. Rupali Dadhe Ms. Shrutika Solat Mr. Akshay Ishwarkar Mr. Shantanu Udapure	Tulsiram Gaikwad Patil College of Engineering & Technology, Nagpur	2016-17	Best Paper Award	3 rd International Conference TechEd-17
2	Mr. Siddharth Kumar Sharma & Ms. Samiksha Gadpayle	Priyadarshini Bhagwati College of Engineering	2014-15	I	Tower Making Competition
3	Rupali Dadhe	DR.Babasaheb Ambedkar COE,NAGpur	2014-15	Consolation Prize	National level technical Convention IMPUTES 15.0
4	Rohan Gawande	Priyadarshini Bhagwati College of Engineering	2013-14	Merit Position	National level APPS Championship AppsFluxus-2014
5	Ajinkya Kolkute	Priyadarshini Bhagwati College of Engineering	2013-14	Merit Position	National level APPS Championship AppsFluxus-2014
6	Abhishek Nikose	Priyadarshini Bhagwati College of Engineering	2013-14	Merit Position	National level APPS Championship AppsFluxus-2014

24. List of Eminent academicians and Scientists/Visitors to the department :

S.N.	Name of Eminent Academician, Scientist, Visitors	Designation	Organization	Date of Visit	Nature of Visit
1	Mr. S.N. Pillewar	Manager	C-Dass	6/03/2017	Expert Guidance
2	Mr. P.G. Yadav	Principal	Om	15/01/2017	Expert

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			Polytechnic		Guidance
3	Mr. Ajay Deshmukh	Senior Engineer	IEPL, Bela	22/02/2016	Guidance to students
4	Mr. Deepak Dhote	Operation Incharge	IT-Networkz Pvt. Ltd. , Nagpur	19/08/2015	Expert Guidance
5	Mr. Rajesh Kondawar	Director	EDAS Technologies , Nagpur	12/08/2015	Expert Lecture
6	Dr. S.S. Shriramwar	Associate Professor	Priyadarshini Bhagwati College of Engineering	16/07/2014	Expert Lecture
7	Mr. Naresh Bhanarkar	Assistant Manager	Adani Power Plant	15/02/2014	Guidance to students

25. Seminars/Conferences/Workshop organized and the source of funding

S. N.	Name of Seminar/Conference/Workshop	Date of Event	National/ University/ College Level	Source of Funding
1	Curriculum Development of B.E. 4 th semester for the subjects of Electronics Engineering	18/10/2013	University Level	Self Financed

26. Student profile programme/Course wise:

Sr.	Academic Year	Name of the Programme	Application Received	Selected	Enrolled		Pass Percentage	
					Male	Female	Odd Semester	Even Semester
1	2016-17	I Yr BE	As the admission process is governed by DTE, the rules & Regulations of the DTE are followed in admission process	--	--	--	--	--
		II Yr BE		12	02	10	33.33 %	Result Awaited
		III Yr BE		06	04	02	50.00 %	Result Awaited
		IV Yr BE		18	12	06	83.33 %	Result Awaited
2	2015-16	I Yr BE		14	03	11	50.00 %	64.28 %
		II Yr BE		06	04	02	33.33 %	50.00 %
		III Yr BE		20	08	12	70.00 %	75.00 %
		IV Yr BE		29	13	17	93.10 %	100 %

3	2014-15	I Yr BE	04	02	02	50.00 %	25.00 %
		II Yr BE	24	12	12	52.00 %	45.83 %
		III Yr BE	29	12	17	82.76 %	79.31 %
		IV Yr BE	30	15	15	89.66 %	93.33 %
4	2013-14	I Yr BE	20	07	13	60.00 %	55.00 %
		II Yr BE	38	19	19	23.68 %	60.52 %
		III Yr BE	30	15	15	80.00 %	50.00 %
		IV Yr BE	36	18	12	88.57 %	83.33 %

27. Diversity of Students

Year	Name of Course	% of students from same State	% of students from other State	% of students from Abroad
2016-17	Electronics Engg.	34/36 = 94.44 %	2/34 = 5.88 %	0%
2015-16	Electronics Engg.	63/68 = 92.65 %	5/68 = 7.35 %	0%
2014-15	Electronics Engg.	80/93 = 86.02 %	13/93 = 13.98%	0%
2013-14	Electronics Engg.	113/150 = 75.33 %	37/150 = 24.66 %	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services etc.

Competitive Examination	Academic Session	No. of Students appeared	No. of students Qualified
GATE	2016-17	11	Result Awaited
	2015-16	14	Nil
	2014-15	12	Nil

29. Students Progression

Student Progression	Against % Enrolled		
	2015-16	2014-15	2013-14
UG to PG	Nil		13.88 %
PG to M.Phil	N.A.	N.A.	N.A.
PG to Ph.D.	00	00	00
Ph.D. to Post-Doctoral	00	00	00
Employed - Campus Selection	06.89 %	13.33 %	5.55 %

- Other than Campus Recruitment	20.68 %	60.00 %	36.11 %
Entrepreneurship/Self employment	Nil	03.33 %	2.77 %

30. Details of Infrastructural Facilities

(A) Library :

S. N	Library	No. of Volumes Available	No. of Titles Available	No. of International Journals	No. of National Journals
1	Departmental Library	54	50	Nil	Nil
2	Central Library	1866	528	Nil	06

(B) Internet Facilities for Staff and Students

1. Department is provided with 35 MBPS high speed internet facility for students and staff.
2. Every laboratory in the department is connected with high speed internet facility with computers.
3. Faculty members are provided with separate computer connected with internet facility.

(C) Class Rooms with ICT facility

- a) The teaching aids available with the department are
 - No. of LCD Projectors: 1
 - No. of writing boards: 6
- b) Each classroom / Tutorial room is equipped with Green board and all laboratories are provided with green board to explain the concept related to practical
- c) The Classroom is equipped with good quality of furniture to accommodate strength of around 60 students.
- d) Each Room is located with good air circulation, good lighting and the ambience is good.
- e) Seminar Hall is equipped with an audience capacity of 120. Seminar hall is provided with Projector, Dias with Podium and necessary furniture is available.

(D) Laboratories

S.N.	Name of Laboratory	Area (Sq.mt.)	Total Cost of Equipment (Rs.)
1	Electronic Devices and	75.3 Sq. mt.	Rs. 254151.30

	Circuits Electronic System Design		Rs. 103756.50
2	Electronic Measurement & Instrumentation	70.0 Sq. mt.	Rs. 440723.13
3	Analog Circuit Design	75.3 Sq. mt.	Rs. 249394.00
4	Electronic Workshop	42.82 Sq. mt.	Rs. 387558.50
5	Power Devices & Machines (Power Electronics & Basic Electrical Machines)	66.0 Sq. mt.	Rs. 330639.30
		66.0 Sq. mt.	Rs. 913701.38
6	Digital System Design	75.3 Sq. mt.	Rs. 208569.00
7	Embedded System	83.9 Sq. mt.	Rs. 91140.00
8	Control System Engineering	102.23 Sq. mt.	Rs. 200095.00

31. No. of students receiving financial assistance from college, university, government or other agencies:

(A) No. of students receiving financial assistance from government in terms of scholarship

S.N.	Academic Session	Category	No. of Students
1	2016-17	SC	11
		ST	0
		OBC	11
		NT	2
		SBC	4
		EBC (OPEN)	2
		Minority Scholarship	0
2	2015-16	SC	24
		ST	0
		OBC	39
		NT	5
		SBC	8
		EBC (OPEN)	2
		Minority Scholarship	0
		College	2
3	2014-15	SC	19
		ST	0
		OBC	37
		NT	5
		SBC	6
		EBC (OPEN)	3
		Minority Scholarship	0

4	2013-14	SC	19
		ST	00
		OBC	45
		NT	06
		SBC	06
		EBC (OPEN)	3
		Minority Scholarship	0

32. Details of Students Enrichment Programmes (Special Lectures/ Workshops/ Seminar) with external experts

(A) Special Lectures

Sr. No.	Name of Guest Lecture / Expert Lecture	Date of event	Expert
1	How to prepare for campus placement Drive	21/01/2017	Mr. SomilDeshmukh, HR, Persistant, Nagpur
2	Network Technology & Devices	26/08/2015	Mr. Deepak Dhote, Operations Incharge, IT Networkz, Nagpur
3	Emerging Trends in IT	19/08/2015	Mr. Deepak Dhote, Operations Incharge, IT Networkz, Nagpur
4	Recent trends in Industrial Project	12/12/2014	Mr. Harshal Bihare EdgeFx kits & Solutions Ltd., Hyderabad
5	Seminar on "Project Guidance"	24/07/2014	Mr. Mahesh A. Mr. Harshal Bihare EdgeFx kits & Solutions Ltd., Hyderabad
6	Fundamentals of VLSI Technology	06/08/2013	Mr. Arif Khan & Mr. Sayyad Siddiqui Nanoscientific Research Centre
7	Latest technologies used in Industrial Automation Sector (PLC-SCADA)	28/08/2013	Mr. Sarang Pimpalkar Prolific Systems & Technologies Pvt. Ltd., Nagpur

(B) Workshops and Seminars

S.N.	Event	Date	Source of
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			Funding
1	Aptitude Test for Sponsored Internship By IT-Networkz Infosystems Pvt. Ltd.	25/01/2017	Self Financed
2	Sponsored Project Trainee Selection Test Drive by ITNetworkz	18/01/2017	Self Financed
3	National Level Project/Model Competition under “ABHISHILP”	12/03/2015	Self Financed
4	Workshop : “ Circuit Simulation and PCB Designing”	3/02/2015 to 04/02/2015	Self Financed
5	National Level Students’ Convention “ADDHYAYAN” –	12/02/2014 to 13/02/2014	Self Financed
6	Workshop -“APPS Fluxus 2014 -Android Apps Development”	03/01/2014 to 04/01/2014	Self Financed

33. Teaching methods adopted to improve students’ learning

- a) Effective class room teaching with experienced and qualified faculty
- b) Use of teaching aids such as LCD projectors to explain the topic with the help of power point presentation and animations
- c) Department has adopted many innovative teaching-learning methodologies such as e-learning, use of NPTEL teaching material, etc.
- d) The Department regularly organizes guest lectures on recent developments in the field of Electronics Engineering to make students aware about latest topics & current trends in electronics.
- e) Continuous evaluation of students by means of Class Test Tests, Assignments and Sessional Exam.
- f) Conduct of remedial classes for weak students
- g) Arrange separate classes for Direct Second Year Students
- i) Motivating the students to participate in various State and national level technical events such as Paper Presentation, Bread Board Competition, Project Exhibitions etc
- j) Student’s feedback is taken once in the mid semester to introduce innovative teaching and learning Methodologies.
- k) Answers of Questions asked in University Question papers are discussed and solved in the class.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr No	Academic Year	Name of the activity	No. of Students Participated	Venue
01	2016-17	Van Mohotsav (Vruksha Dindi)	08	RTM Nagpur University, Nagpur
		Tree Plantation	08	PBCOE, Nagpur
		Traffic Rule awareness program by Ramrao Rewatkar	20	PBCOE, Nagpur
		Donate for Education	08	Walmiki Balsadan, Rameshwari, Nagpur
		Blood Donation Camp by Govt. Medical College	08	PBCOE, Nagpur
		Swatch Bharat Rally	08	Nandanwan, Hasanbag, Nagpur
		State Level Student Conference	08	RTM Nagpur University, Nagpur
		“Organ Donation” Rally	08	RTM Nagpur University, Nagpur
		“Cashless India Campaign” by Punjab National Bank	30	PBCOE, Nagpur
		Voter Awareness Program	08	RTM Nagpur University, Nagpur
		“ Save Water – Save Planet” Rally	08	Shitala Mata Mandir, Nagpur
02	2015-16	Blood Donation Camp by Sainath Blood Bank	06	PBCOE, Nagpur
		Tree Plantation	06	PBCOE, Nagpur
		Waste Collection Program	06	Near Rajabaksha Temple, Medical Square, Nagpur
		Shram-Daan	06	Bada Taj-Bag ,Nagpur
		“Hypnotism” Program by Mr. Gaikwad	40	PBCOE, Nagpur
03	2014-15	Blood Donation Camp	03	PBCOE, Nagpur

		by Jeevan Jyoti Blood Bank, Nagpur		
		Shram-Daan	18	Panchawati Old-Age Home, Taj-Bag, Nagpur
		Green Revolution and Plastic Awareness rally	18	PBCOE, Nagpur
		“ Vyasana-Mukti” Vyakhyan bt divine India Youth Association	30	PBCOE, Nagpur
		Spiritual Lecture by Gayatri Pariwar, Nagpur	18	PBCOE, Nagpur
		Tree Plantation	18	PBCOE, Nagpur
		Sanitation Awareness	18	PBCOE, Nagpur
		Swaccha Bharat-Sundar Bharat	18	Bada Taj-Bag, Nagpur
		Fuel Saving Campaign	15	PBCOE, Nagpur
04	2013-14	Blood Donation Camp	15	PBCOE, Nagpur
		Sahaj Yoga Dhyana	30	PBCOE, Nagpur
		Tree Plantation	15	PBCOE, Nagpur
		Fuel Saving Program	15	PBCOE, Nagpur
		“Jeevan ki Kala” - Vyakhyana	35	PBCOE, Nagpur
		Sports Activity for Deaf & Dumb	15	Saraswati Vidya Mandir, Shankar Nagar, Nagpur
		Quiz & Sports Camp	15	Orphan School, Nagpur
		Save Nag-River	15	Triveni Sangam, Nagpur

35. SWOC analysis of the department and future plans

- **Strengths**
 - a) Well qualified, experienced and highly motivated faculty
 - b) Highly disciplined academic environment
 - c) Well equipped laboratories and furnished class rooms.
 - e) A strong focus on quality teaching with a faculty that excels in teaching students at all levels
 - f) Many of the departmental faculties are involved in Framing the syllabus and revision of syllabus.
 - g) First University toppers from the department
 - h) Dedicated and skilled supporting staff
- **Weaknesses**

- a) Students from Rural background lack communication skills in English.
 - b) Unable to bring Campus drive of core companies for Electronic engineering students.
 - c) Less participation in International and National Conference
 - d) Less number of Ph.D. Faculty members
 - e) No Consultancy projects with industries.
 - f) Less number of publications in reputed journals
 - g) Less interaction with industry expert.
 - h) Insufficient interaction with scientist from research institutions.
- **Opportunities**
 - a) Leader in providing quality engineering education clubbed with placements
 - b) Industry oriented training
 - c) Becoming a leader in interdisciplinary and integrated learning
 - d) Undertaking industry based projects for students and staff to improve their skill and knowledge.
- **Challenges**
 - a) To bring quality students for admission to electronics engineering
 - b) Securing 100% placement for students
 - c) Motivating students for Higher studies such as M. Tech, MBA.
 - d) Producing Entrepreneurs
 - e) Rapid grown of engineering colleges in the region
 - f) To interact with eminent personalities from industries
- **Future Plans**
 - 1) Development of E – Classroom.
 - 2) Development of Research Center.
 - 3) Encourage faculty for acquiring higher qualifications.
 - 4) More efforts on preparing students for higher studies and entrepreneurship.
 - 5) Adoption of emerging technologies in curriculum.

Declaration by the Head of the Institution



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
**PRIYADARSHINI BHAGWATI
COLLEGE OF ENGINEERING**
(Formerly known as Smt. Bhagwati Chaturvedi College of Engineering)
Harpur Nagar, Umred Road, Nagpur - 440 024, (India)
Tel. : +91-712-2710281, 2710282. Fax : +91-712-2710283
E-mail : principal.bcce@ljss.net Website : www.bcce.ljss.net



Date:29.03.2017

DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data in the Self Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the Institution after the internal discussion and no part thereof has been outsourced.

I am aware that the Peer Team will validate information provided in this SSR during the Peer Team visit.

Date: 29.03.2017

Place: Nagpur



Dr. N. K. Choudhari

Principal
Principal

Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur.

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA

Lokmanya Tilak Bhavan, Lavani Nagar, Nagpur - 440022. Maharashtra, INDIA. Tel.: +91-712 2230665, 2245121. Fax No: +91-712 2221430. Website : www.ljss.net

Certificate of Compliance



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA'S
**PRIYADARSHINI BHAGWATI
COLLEGE OF ENGINEERING**
(Formerly known as Smt. Bhagwati Chaturvedi College of Engineering)
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E-mail : principal.bcce@ljss.net Website : www.bcce.ljss.net



Certificate of Compliance

(Affiliated and Recognized Institution)

This is to certify that **Priyadarshini Bhagwati College of Engineering, Harpur Nagar, Umred Road, Nagpur. (M.S.)** fulfils all norms

1. Stipulated by the affiliating University – **Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur** and
2. Regulatory Council/Body – **All India Council of Technical Education, (AICTE) New Delhi** and
3. The affiliation and recognition is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 29.03.2017

Place: Nagpur




Dr. N. K. Choudhari

Principal
Principal
Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur.

LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA

Lokmanya Tilak Bhavan, Laxmi Nagar, Nagpur - 440022, Maharashtra, INDIA. Tel : +91-712 2230665, 2245121. Fax No : +91-712 2221430. Website : www.ljss.net

Affiliations Letters of UG and PG programs of RTM Nagpur University, Nagpur



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

Established by Government of Central Provinces Education Department by Notification No. 513 Dated the 1st of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017)

COLLEGE DEVELOPMENT SECTION

Chhatrapati Shivaji Maharaj Administrative Premises, Ravindranathi Tagore, Nagpur. Ph. & Fax No. 2529932


CSI/5805-

Dated - 30/3 /2017.

TO WHOM EVER IT MAY CONCERN

This is to certify that Priyadarshini Bhagwati College of Engineering, Nagpur is affiliated to the RASHTRASANT TUKADOJI MAHARAJ Nagpur University, since 2007 and the following Programmes/ courses are taught in the said College, as per approval.

Programmes	Courses & Subjects	Duration	Affiliation	Validity period
U.G	B.E. Electronics & Communication Engg.	4 Years	Temporary	2018-2019
	B.E. Computer Science & Engg.	4 Years	Temporary	2018-2019
	B.E. Information Technology	4 Years	Temporary	2018-2019
	B.E. Mechanical Engg.	4 Years	Temporary	2018-2019
	B.E. Civil Engg.	4 Years	Temporary	2018-2019
	B.E. Electronics Engg.	4 Years	Temporary	2018-2019
P.G	M. Tech Computer Science & Engg.	2 Years	Temporary	2018-2019
	M. Tech Electronics Communication Engg.	2 Years	Temporary	2018-2019


 (Pradeep Biniwale)
 Dy.Registrar



राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ

(राष्ट्रीय कोषियोग अखंड, शिक्षण विभागाची अधिकृतता क्रमांक ५५३ दिनांक १ ऑगस्ट, १९६३) द्वारा स्थापित, व महाराष्ट्र विद्यापीठ अधिनियम, १९५६ द्वारा अंतिम रूपाने विद्यापीठ

महाविद्यालयीन शाखा

राज्यपाली विद्यापीठ शाखाएं शाखातील शाखेचे, अधिकृतता क्रमांक असे, नागपूर - ४४४००२
दूरधनी क्रमांक: ०२११-२५२२१११; फॅक्स नं: ०२११-२५५५२११; E-mail ID: an-cs@nagpuruniversity.org

क्र. म. वि./१११२

दिनांक : 26-05-2015

श्री,

शाखाचे,
प्रियदर्शनी भगवती बसुबेदी कॉलेज ऑफ इंजिनियरिंग
उमरेड रोड, उमरेड रोड भा. - नागपूर महान, जि. - नागपूर - 440024

विषय :- विनंती संघटिकरण प्रदान करणेबाबत.

महोदय/महोदया,

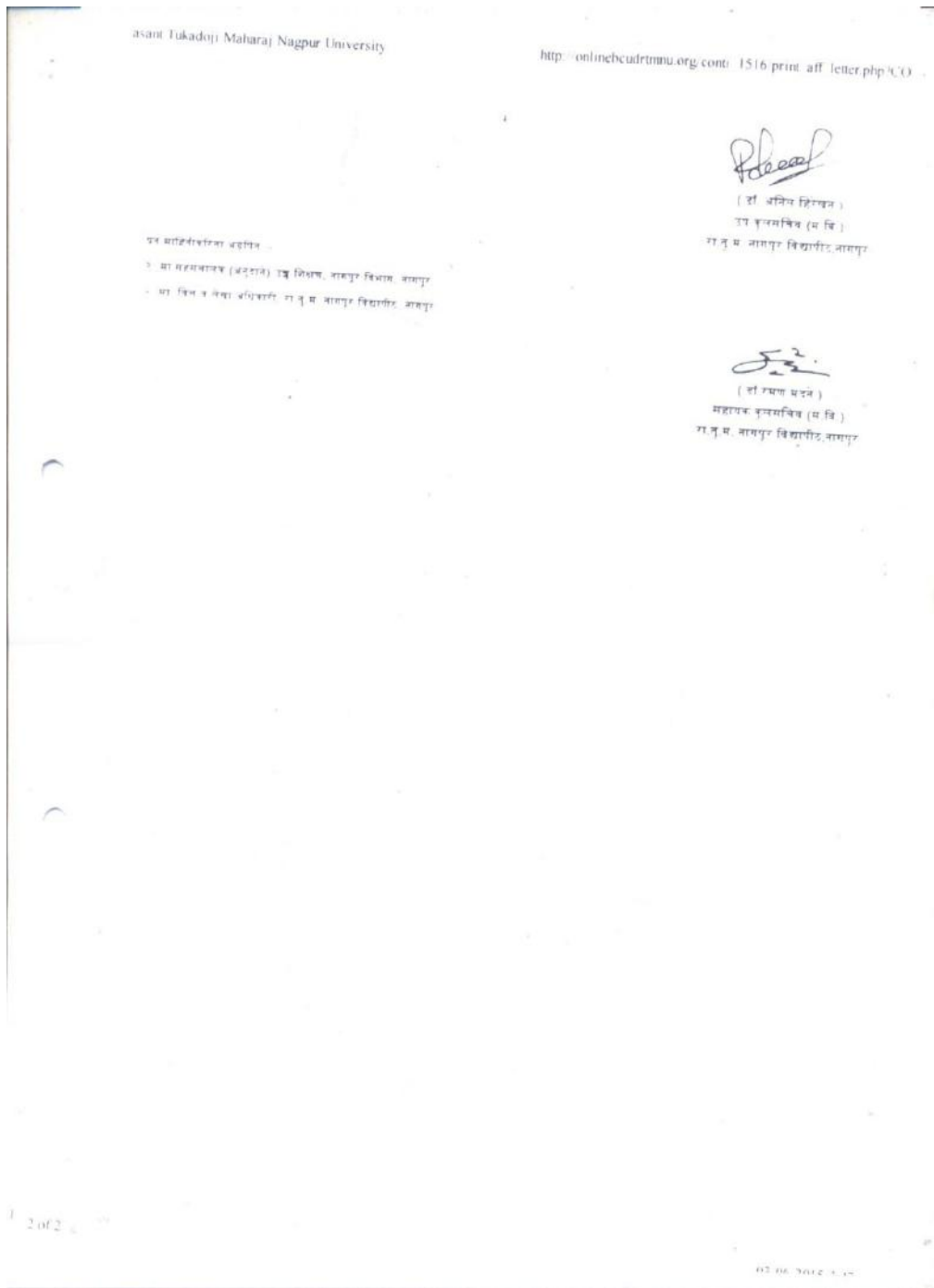
महाराष्ट्र विद्यापीठ अधिनियम १९५६ च्या कलम ८३(८)(१) अन्वयेत आपल्या महाविद्यालयधीन लागू अध्यापकशाखे विनंती संघटिकरण मधे २-१५-१५ रोजी वाढविण्यासाठी आपण दि.27-08-2014 या पाठविण्यात आलेल्या मर्यादा अध्यापक वाढविण्याक येते की, स्थानिक चौकशी यंत्रितीने महाविद्यालयामे प्रत्यक्ष भेट देवून वाढ करणेच्या अहवालावर शाखेची यंत्रितीने केलेल्या निष्ठागतीद्वारे आपल्या महाविद्यालयाचा शाखीय प्रमाणे लागू अध्यापकशाखा विनंती संघटिकरण वाढ वाढविण्या विद्यापीठाच्या विद्वत परिपदेच्या बरीने या. पुढीलप्रमाणे महाराष्ट्र विद्यापीठ अधिनियम १९५६ च्या कलम १८(०) अन्वयेत दि.25-05-2015 या मर्यादा सिद्धी आहे.

विद्वत परिपदेच्या बरीने निष्कृत केलेल्या निष्ठागतीद्वारे उपरोक्त विनंती संघटिकरणाचा वाढ मधे २-१५-१५ पासून २-१८-१५ पर्यंत शाखीय अध्यापकशाखेला वाढविण्यास विद्यापीठाद्वारे मर्यादा देण्यात येत आहे.

क्र.म. विद्यालयाचा	अध्यापक / विषय / प्रवेश क्षमता	बरी
1	अधिकाधिकी इ.न.प्राज्ञ सी.ई. इन इलेक्ट्रॉनिक्स (अध्यापकशाखाये):60 विद्यापी. सी.ई. इलेक्ट्रॉनिक्स (तंत्र) इलेक्ट्रॉनिक्स (अध्यापकशाखाये):60 विद्यापी. सी.ई. इन कोम्प्युटर सायन्स (अध्यापकशाखाये):60 विद्यापी. सी.ई. इन्फॉर्मेशन टेक्नॉलॉजी(अध्यापकशाखाये):60 विद्यापी. सी.ई. वेबडिजायन (अध्यापकशाखाये):120 विद्यापी. सी.ई. इन सिव्हील इंजिनीयरींग(अध्यापकशाखाये):60 विद्यापी. एम. टेक. कोम्प्युटर सायन्स (तंत्र) इंजिनीयरींग(अध्यापकशाखाये):18 विद्यापी. वायट अँड बसपुटर इन्जीनियरिंग(अध्यापकशाखाये):60 विद्यापी. एम. टेक. इलेक्ट्रॉनिक्स इंजिनीयरींग (वेबडिजायन)(अध्यापकशाखाये):24 विद्यापी.	मधे २-१५-१५ ते २-१८-१५ पर्यंत

अपणा विद्यालय.

Principal
Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur. 07.06.2015 3:47 PM



AICTE Approval letters of UG and PG programs offered by the Institute



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Western/1-2809551675/2016/EOA

Date: 25-Apr-2016

To,

The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashtra, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F.No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Western	Application Id	1-2809551675
Name of the Institute	PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING	Permanent Id	1-5831571
Name of the Society/Trust	LOKMANYA TILAK JANKLYAN SHIKSHAN SANSTHA	Institute Address	HARPUR NAGAR, UMRER ROAD, NAGPUR - 440009, NAGPUR, NAGPUR, Maharashtra, 440009
Institute Type	Unaided - Private	Society/Trust Address	27-A KOTWAL NAGAR, LAXMI NAGAR, NAGPUR,NAGPUR,Maharashtra,440010

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2809551675			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NET Approval status	PIO / FN / Gull/quota Approval status	Foreign Collaboration/Training Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING	FULL TIME	The Rashtrasant Tukadoji Maharaj Nagpur	18	18	NA	NA	NA

Application Number: 1-2809551675
Note: This is a Computer generated Report.No signature is required.
Printed By : AE983981

Page 1 of 4
Letter Printed On:2 May 2016

NAAC Self Study Report for Affiliated College



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

					University, Nagpur					
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	34	34	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	The Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	The Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	The Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	The Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	The Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	120	120	NA	NA	NA

The above mentioned approval is subject to the condition that PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Course(s) Applied for Closure by the Institute for the AY 2016-17:

Application Number: 1-2809551675
Note: This is a Computer generated Report.No signature is required.
Printed By : AE983981

Page 2 of 4
Letter Printed On:2 May 2016

DTE approval letters of UG and PG programs offered by the Institute



४. संस्थेने अभियांत्रिकी महाविद्यालयासाठी नियतदिवस म्हणून रु.३०.०० लाख पंजाब नॅशनल बँक शाखा एमआयडीसी नागपूर येथे पावती क्र.डी-१०९०७००८, दि.१९.१०.२००७ अन्वये संस्थेचे अध्यक्ष/सचिव व संचालक, तंत्रशिक्षण, महाराष्ट्र राज्य, मुंबई यांच्या संयुक्त खात्यात ५ वर्षासाठी जमा केलेले आहेत.
५. आपल्या संस्थेला महाराष्ट्र शासन, तंत्रशिक्षण संचालनालय, महाराष्ट्र राज्य, मुंबई शिक्षण शुल्क समिती, मुंबई, प्रवेश नियंत्रण समिती, मुंबई व अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली यांचेकडून वेळोवेळी विहित करण्यात आलेले प्रवेश नियम, आरक्षण, शिक्षणशुल्क व इतर शुल्क या संबंधीच्या निर्णयांचे पालन करणे बंधनकारक राहिले.
६. आपल्या संस्थेची फी निर्धारित करण्यासाठी शिक्षण शुल्क समिती बांद्रा यांच्याकडे प्रस्ताव सादर करण्यात यावा, सदर अभ्यासक्रमाचे शुल्क शिक्षणशुल्क समितीने मंजूर केल्याप्रमाणे आकारण्यात यावे. निर्धारित केलेल्या शिक्षण शुल्कापेक्षा जास्त फी आकारू नये. विद्यार्थ्यांकडून शिक्षण शुल्क समितीने निश्चित केलेल्या दरापेक्षा जास्त शुल्क आकारल्यास व याबाबत विद्यार्थी किंवा त्यांच्या पालकांकडून तक्रार प्राप्त झाल्यास किंवा न्यायालयीन प्रकरण उदभवल्यास होणा-या सर्व परिणामास संस्था जबाबदार राहिल.
७. संस्थेतील ग्रंथालयास आवश्यक ती पुस्तके, नियतकालिके इत्यादी अखिल भारतीय तंत्रशिक्षण परिषद व कुलसचिव, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांच्या मानकानुसार खरेदी करणे आवश्यक आहे. तसेच विद्यार्थ्यांना वाचनालयाचा पुरेपूर उपयोग होण्याचे दृष्टीने ग्रंथालयात विद्यार्थ्यांना अभ्यासिकेची सोय करणे आवश्यक आहे.
८. संचालक किंवा त्यांचे प्रतिनिधी यांना अखिल भारतीय तंत्रशिक्षण परिषद/शासनाध्य; मानकाप्रमाणे जागा, इमारत, शिक्षक व शिक्षकेतर कर्मचारी व इतर सोयीसुविधा उपलब्ध आहेत किंवा कसे याबाबत संस्थेत केव्हाही अचानक भेट देऊन तपासणी करण्याचे अधिकार राहतील.
९. तंत्रशिक्षण संचालनालय, महाराष्ट्र शासन किंवा राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांच्याकडून प्राधिकृत करण्यात आलेले अधिकारी यांस त्यांनी संस्थेचे निरीक्षण करून त्या निरीक्षणाती संस्थेत आढळून येणा-या उणीवांबद्दल उचित कार्यवाही करण्याचे अधिकार राहतील.
१०. सदर संस्था संचालक, तंत्रशिक्षण यांच्या नियंत्रणाखाली राहिल व संबंधित अभ्यासक्रमांच्या परीक्षा कुलसचिव, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांच्याकडून घेतल्या जातील.
११. संस्थेला कुलसचिव, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांची सदर अभ्यासक्रमासाठी संलग्नता घ्यावी लागेल.
१२. सदर अभ्यासक्रमाचे प्रवेश शैक्षणिक वर्ष २००७-०८ साठी प्रवेश नियमात विहित केलेल्या तरतुदीनुसार केंद्रिभूत प्रवेश पक्रियेद्वारे करण्यात येतील.
१३. विद्यार्थ्यांना प्रवेश देताना त्यांच्याकडून रकमेच्या स्वरूपात कॅपिटेशन फी किंवा इतर कोणत्याही स्वरूपात देणगी स्विकारता येणार नाही, तसेच प्रवेश गुणवत्तेनुसार करणे बंधनकारक आहे.
१४. शासनाने, या संचालनालयाने कुलसचिव, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर व अखिल भारतीय तंत्रशिक्षण परिषद नवी दिल्ली यांनी वेळोवेळी ठरवून दिलेल्या अटी व शर्तीचे संस्था उल्लंघन करीत असल्यास सदरची संस्था बंद करण्याचे अधिकार अखिल भारतीय तंत्रशिक्षण परिषदेच्या शिफारशीनुसार शासनास राहतील. उपरोक्त सर्व अटी व शर्ती आपणास बंधनकारक राहतील.

(प्र.न.बा.पाठसंकेत)
संचालक, तंत्रशिक्षण संचालनालय, म.रा., मुंबई.

प्रत.

१. मा.अपर मुख्य सचिव, महाराष्ट्र शासन, उच्च व तंत्रशिक्षण विभाग, मंत्रालय विस्तार भवन, मुंबई यांना संबन्धीन शासन निर्णयाच्या संदर्भात माहितीसाठी सादर.
२. सहसंचालक, तंत्रशिक्षण विभागीय कार्यालय, नागपूर यांना माहितीसाठी सादर.
३. मा.कुलसचिव, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांना माहिती व योग्य कार्यवाहीसाठी.
४. कार्यासन क्र.२-अ, मुख्य कार्यालय, मुंबई.
५. श्री.एन.बी.पाटील, सिस्टिम अॅनालिस्ट यांना माहिती व योग्य कार्यवाहीसाठी.
६. निवड नस्ती.

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तंत्र शिक्षण संचालनालय, महाराष्ट्र राज्य,

३, महापालिका मार्ग, पत्र पेटी क्रमांक १९६७, मुंबई ४०० ००१.
दूरध्वनी - २२६२०६०१, २२६९०६०२, २२६४१५०/५१, फॅक्स - २२६९२१०२.
www.EDUTECH E-mail : Desk2@dte.org.in Internet : http://www.dte.org.in

क्रमांक :- २/एनजीसी/नियतठेव/२०१०/२१३०

दिनांक : 30 SEP 2010

प्रति,
प्राचार्य,
श्रीमती भगवती चतुर्वेदी कॉलेज ऑफ इंजिनिअरिंग
हरपूर नगर, उमरें रोड,
नागपूर ४४० ००९

विषय : शैक्षणिक वर्ष २०१०-११ पासून विना-अनुदान तत्वावर नवीन
अभ्यासक्रम/प्रवेशक्षमता बदल करण्यास परवानगी देण्याबाबत,
संदर्भ : शासन निर्णय क्र.संकिर्ण-२०१०/(१८८/२०१०)/ताशि-४, दि. ३० जूलै २०१०

उपरोक्त विषयाबाबत आपणास कळविण्यात येते की, शासनाने संदर्भाधिन शासन निर्णयाद्वारे, आपणास शैक्षणिक वर्ष २०१०-११ पासून नवीन अभ्यासक्रम सुरु करण्यास व सुरु असलेल्या अभ्यासक्रमाच्या प्रवेशक्षमतेत खालीलप्रमाणे बदल करण्यास परवानगी दिलेली आहे.

अ.क्र.	अभ्यासक्रमाचे नाव	प्रवेशक्षमता बदल	नियतठेवीची रक्कम
०१.	मेकॅनिकल इंजिनिअरिंग	६०	रु.३.०० लाख
०२.	सिव्हिल इंजिनिअरिंग	६०	रु.३.००लाख
०३.	---	---	---

सादर अभ्यासक्रमासाठी संस्थाचालक व संचालक, तंत्रशिक्षण, महाराष्ट्र राज्य, मुंबई यांच्या संयुक्त खात्यात नॅशनलाईज किया शेड्यूल बँकेत रु.६.००लाख नियत ठेव ५ वर्षासाठी जमा करावी. (तसेच सादर एफ.डी.म.पी नांवासमोर (EN-V-10) हा कोड नमूद करण्यात यावा.) तसेच रुपये १००/- च्या स्टॅम्प पेपरवर नोंदणीकृत हमीपत्र या संचालनालयास तात्काळ सादर करावे. (सोबत हमीपत्राच्या मसुद्यापुं प्रत सोबत जोडली आहे.) सादर पदवी अभ्यासक्रमाच्या प्रवेशक्षमतेत वाढ करण्यासाठी खाली नमूद केलेल्या बाबीची पूर्तता केल्याबाबतची माहिती कागदपत्राच्या प्रतीसहीत या कार्यालयास त्वरीत सादर करावी.

१. वरील पदवी अभ्यासक्रमाच्या प्रवेशक्षमतेत वाढ करण्यासाठी अखिल भारतीय तंत्र शिक्षण परिषदेच्या मानकानुसार नियुक्त केलेल्या शिक्षक कर्मचा-यांची माहिती खालील नमुन्यात उपरोक्त रु. १००/- च्या स्टॅम्पपेपरवरील हमीपत्रात समाविष्ट करण्यात यावी.

अ.क्र.	कर्मचा-याचे नाव	शैक्षणिक अहता	पदनाम	नियुक्तीचा दिनांक	वेतनश्रेणी

२. अखिल भारतीय तंत्र शिक्षण परिषदेच्या मान्यतेचे पत्र, शासन मान्यतेचे पत्र, विद्यापीठाचे मान्यता पत्र इत्यादी पत्रांच्या प्रती.

३. सादर अभ्यासक्रमासाठी नियुक्त करण्यात आलेल्या सर्व शिक्षक कर्मचा-यांची नियुक्ती पत्रे रुजू

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14/9/10

NAAC Self Study Report for Affiliated College

आल्याबाबतच्या पत्राच्या प्रती तसेच पदवी/पदव्युत्तर पदवी/पी.एच.डी.अभ्यासक्रमाच्या अंतिम वर्षाची गुणपत्रिका व प्रमाणपत्राच्या साक्षात्कृत प्रती.

४. सादर अभ्यासक्रमासाठी खरेदी करण्यांत आलेल्या पुस्तकांची यादी व त्याबाबत पुरवठादाराला रक्कम अदा केल्याबाबतच्या पावत्यांचा क्रमांक, एकूण रक्कम यांची एकत्रित यादी.

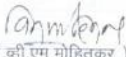
अ.क्र.	पुरवठादाराचे नांव	खरेदी बिलाचा क्रमांक, दिनांक व रक्कम	पुरवठादाराला अदा केलेल्या बिलाचा क्रमांक व दिनांक	रक्कम	रक्कम
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५. सादर अभ्यासक्रमासाठी आवश्यक असणारे संगणक व त्यासंबंधीची यंत्रसामुग्री तसेच फर्निचर बाबतची संख्यानिहाय यादी व पुरवठादाराला रक्कम अदा केल्याबाबतच्या पावत्यांचा क्रमांक, एकूण रक्कम याची एकत्रित यादी.

अ.क्र.	पुरवठादाराचे नांव	खरेदी बिलाचा क्रमांक, दिनांक व रक्कम	पुरवठादाराला अदा केलेल्या बिलाचा क्रमांक व दिनांक	रक्कम	रक्कम
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६. संयुक्त खात्यात नियत ठेव ठेवण्यासाठी बँकेचा फॉर्म व नमुना स्वाक्षरी फॉर्म सादर करावा.
७. सादर अभ्यासक्रमासाठी राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांची संलग्नता घेणे आवश्यक आहे. विद्यापीठाची संलग्नता नसल्यास सादर पदवी अभ्यासक्रमाचा केंद्रभूत प्रवेश प्रक्रियेत समावेश केला जाणार नाही, याची नोंद घ्यावी. संलग्नता पत्राची प्रत सोबत जोडण्यात यावी.


वरील बाबींची माहिती सादर केल्यानंतरच अभ्यासक्रम सुरु करण्याची या संचालनालयाची अंतिम परवानगी देण्यात येईल.


(डॉ. व्ही. एम. मोहितकर)
प्र. सहसंचालक,
तंत्रशिक्षण, म.रा., मुंबई.

प्रत.

१. मा.कुलसचिव, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांना मानार्थ सादर. त्यांना विनंती करण्यात येते की, उपरोक्त रक्कम संचालकांच्या संयुक्त खात्यात जमा केल्याची खात्री केल्याशिवाय विद्यार्थ्यांचे एनरोलमेंट करू नये.
२. सहसंचालक, तंत्रशिक्षण विभागीय कार्यालय, नागपूर यांना माहितीसाठी सादर.

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तंत्र शिक्षण संचालनालय, महाराष्ट्र राज्य,
३, महापालिका मार्ग, पत्र पेटी क्रमांक १९६७, मुंबई ४०० ००१.
दूरध्वनी - २२६२०६०१, २२६९०६०२, २२६४११५०/५१, फॅक्स - २२६९२१०२.
www.EDUTECH E-mail : Desk2@dte.org.in Internet : http://www.dte.org.in

क्रमांक :- २/एनजीसी/नियतदेव/२०११/ १० २४
दिनांक : 4 सप्टेंबर
OCT 2011

प्रति,
प्राचार्य,
श्रीम. भगवती चतुर्वेदी कॉलेज
ऑफ इंजिनिअरींग,
हरपूर नगर, उमर रोड,
नागपूर - ४४० ००९.

(Institute Code No. 4177)

विषय : शैक्षणिक वर्ष २०११-१२ पासून विना-अनुदान तत्त्वावर नवीन अभ्यासक्रम/प्रवेशक्षमता बदल करण्यास परवानगी देण्याबाबत.
संदर्भ : १. शासन पत्र क्र. संकिण-२०११/(२१३/२०११)/ताशि-४, दि. ३० जून २०११.

उपरोक्त विषयाबाबत आपणास कळविण्यात येते की, शासनाने संदर्भादिन शासन निर्णयाद्वारे व पत्राद्वारे, आपणास शैक्षणिक वर्ष २०११-१२ पासून सुरु असलेल्या अभ्यासक्रमाच्या प्रवेशक्षमतेत वाढ करण्यास तसेच नवीन पदव्युत्तर पदवी अभ्यासक्रम सुरु करण्यास खालीलप्रमाणे परवानगी दिलेली आहे.

अ.क्र.	अभ्यासक्रमाचे नाव	प्रवेशक्षमता बदल	नियतदेवीची रक्कम
०१.	मेकॅनिकल इंजिनिअरींग	६०-१२०	रु. १.०० लाख
०२.	एम.ई. कॉम्प्युटर सायन्स अँड इंजिनिअरींग	१८	रु.२.०० लाख

सादर अभ्यासक्रमासाठी संस्थाचालक व संचालक, तंत्रशिक्षण, महाराष्ट्र राज्य, मुंबई यांच्या संयुक्त खात्यात नॅशनलाईज किंवा शेअरयुल बँकेत रु.३.०० लाख नियत ठेव ५ वर्षासाठी जमा करावी. (तसेच सादर एफ.डी.मध्ये नावासमोर (EN-V-11) हा कोड नमूद करण्यात यावा.) तसेच रुपये १००/- च्या स्टॅम्प पेपरवर नोंदणीकृत हमीपत्र या संचालनालयास तात्काळ सादर करावे. (सोबत हमीपत्राच्या मसुद्याची प्रत सोबत जोडली आहे.) सादर पदवी अभ्यासक्रमाची प्रवेशक्षमता वाढविण्यासाठी तसेच नवीन पदव्युत्तर पदवी अभ्यासक्रम सुरु करण्यासाठी खाली नमूद केलेल्या बाबीची पूर्तता केल्याबाबतची माहिती कागदपत्रांच्या प्रतीसहीत या कार्यालयास त्वरीत सादर करावी.

१. वरील पदवी अभ्यासक्रमांच्या प्रवेशक्षमतेत वाढ करण्यासाठी तसेच नवीन पदव्युत्तर पदवी अभ्यासक्रम सुरु करण्यासाठी अखिल भारतीय तंत्र शिक्षण परिषदेच्या मानकानुसार नियुक्त केलेल्या शिक्षक कर्मचा-यांची माहिती खालील नमुन्यात उपरोक्त रु. १००/- च्या स्टॅम्पपेपरवरील हमीपत्रात समाविष्ट करण्यात यावी.

अ.क्र.	कर्मचा-याचे नाव	शैक्षणिक अहलता	पदनाम	नियुक्तीचा दिनांक	वेतनश्रेणी

२. अखिल भारतीय तंत्र शिक्षण परिषदेच्या मान्यतेचे पत्र, शासन मान्यतेचे पत्र, विद्यापीठाचे मान्यता पत्र इत्यादी पत्रांच्या प्रती.

३. सादर अभ्यासक्रमासाठी नियुक्त करण्यात आलेल्या सर्व शिक्षक कर्मचा-यांची नियुक्ती पत्रे रूजू

Principal
Smt. Bhagwati Chaturvedi College of Engg.
Ummer Road, Nagpur. 99

Principal
Smt. Bhagwati Chaturvedi College of Engg.
Ummer Road, Nagpur.

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आल्याबाबतच्या पत्राच्या प्रती तसेच पदवी/पदव्युत्तर पदवी/पी.एच.डी.अभ्यासक्रमाच्या अंतिम वर्षाची गुणपत्रिका व प्रमाणपत्राच्या साक्षात्कृत प्रती.

४. सादर अभ्यासक्रमासाठी खरेदी करण्यात आलेल्या पुस्तकांची यादी व त्याबाबत पुरवठादाराला रक्कम अदा केल्याबाबतच्या पावत्याचा क्रमांक, एकूण रक्कम याची एकत्रित यादी.

अ.क्र.	पुरवठादाराचे नांव	खरेदी विलाचा क्रमांक, दिनांक व रक्कम	पुरवठादाराला अदा केलेल्या विलाचा क्रमांक व दिनांक	रक्कम	रक्कम
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५. सादर अभ्यासक्रमासाठी आवश्यक असणारे संगणक व त्यासंबंधीची यंत्रसामुग्री तसेच फर्निचर बाबतची संख्यानिहाय यादी व पुरवठादाराला रक्कम अदा केल्याबाबतच्या पावत्याचा क्रमांक, एकूण रक्कम याची एकत्रित यादी.

अ.क्र.	पुरवठादाराचे नांव	खरेदी विलाचा क्रमांक, दिनांक व रक्कम	पुरवठादाराला अदा केलेल्या विलाचा क्रमांक व दिनांक	रक्कम	रक्कम
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६. संयुक्त खात्यात नियत ठेव ठेवण्यासाठी बँकेचा फॉर्म व नमुना स्वाक्षरी फॉर्म सादर करावा.

७. सादर अभ्यासक्रमासाठी राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांची संलग्नता घेणे आवश्यक आहे. विद्यापीठाची संलग्नता नसल्यास सादर पदवी अभ्यासक्रमाचा केंद्रिभूत प्रवेश प्रक्रियेत समावेश केला जाणार नाही, याची नोंद घ्यावी. संलग्नता पत्राची प्रत सोबत जोडण्यात यावी.

चरील बाबींची माहिती सादर केल्यानंतरच अभ्यासक्रम सुरु करण्याची या संचालनालयाची अंतिम परवानगी देण्यात येईल.


(डॉ. पी.एम. मोहितकर)
उपसंचालक,
तंत्रशिक्षण, म.रा., मुंबई.

प्रत,
१. मा.कुलसचिव, राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांना मानार्थ सादर. त्यांना विनंती करण्यात येते की, उपरोक्त रक्कम संचालकांच्या संयुक्त खात्यात जमा केल्याची खात्री केल्याशिवाय विद्यार्थ्यांचे एनरोलमेंट करू नये.
२. सहसंचालक, तंत्रशिक्षण विभागीय कार्यालय, नागपूर यांना माहितीसाठी सादर.



तंत्र शिक्षण संचालनालय, महाराष्ट्र राज्य,

३ महापालिका मार्ग, पत्र पेटी क्रमांक १९६७, मुंबई ४०० ००१.

दूरध्वनी - २२६२०६०१, २२६९०६०२, २२६४११५०/५१, फॅक्स - २२६९२१०२

E-mail : Desk2@dle.org.in Internet : http://www.dte.org.in

क्रमांक : २/एनजीसी/मान्यता/२०१४/१०७९
दिनांक : 19 AUG 2014

प्रति,
प्राचार्य
प्रियदर्शिनी भगवती कॉलेज ऑफ इंजिनिअरींग,
हरपुर नगर, उमरेर रोड, नागपुर - ४४० ००९.

(Institute Code 4177)

विषय : शैक्षणिक वर्ष २०१४-१५ पासून विना अनुदान तत्वावर नवीन पदव्युत्तर पदवी अभ्यासक्रम सुरू करण्याबाबत

संदर्भ : अखिल भारतीय तंत्रशिक्षण परिषदेचे पत्र क्र.रेस्ट/१-२०१८/११७३४५/२०१४/ई भाग दि.०४.०६.२०१४

२. शासन निर्णय, क्रमांक - टीईएम - २०१४/प्र.क्र.१५१(ब)/ताशि.४, दि. ०३ जुलै, २०१४

उपरोक्त विषया संदर्भात आपणास कळविण्यात येते की, अखिल भारतीय तंत्रशिक्षण परिषदेचे मान्यतेस अनुसरून शासनाने वरील संदर्भाधीन शासन निर्णयान्वये आपल्या संस्थेला शैक्षणिक वर्ष २०१४-१५ पासून विना-अनुदान तत्वावर अधिष्ठात्री महाविद्यालयाकडे नवीन पदव्युत्तर पदवी अभ्यासक्रम सुरू करण्यास विहित परिष्काराभिन राहून परवानगी दिलेली आहे.

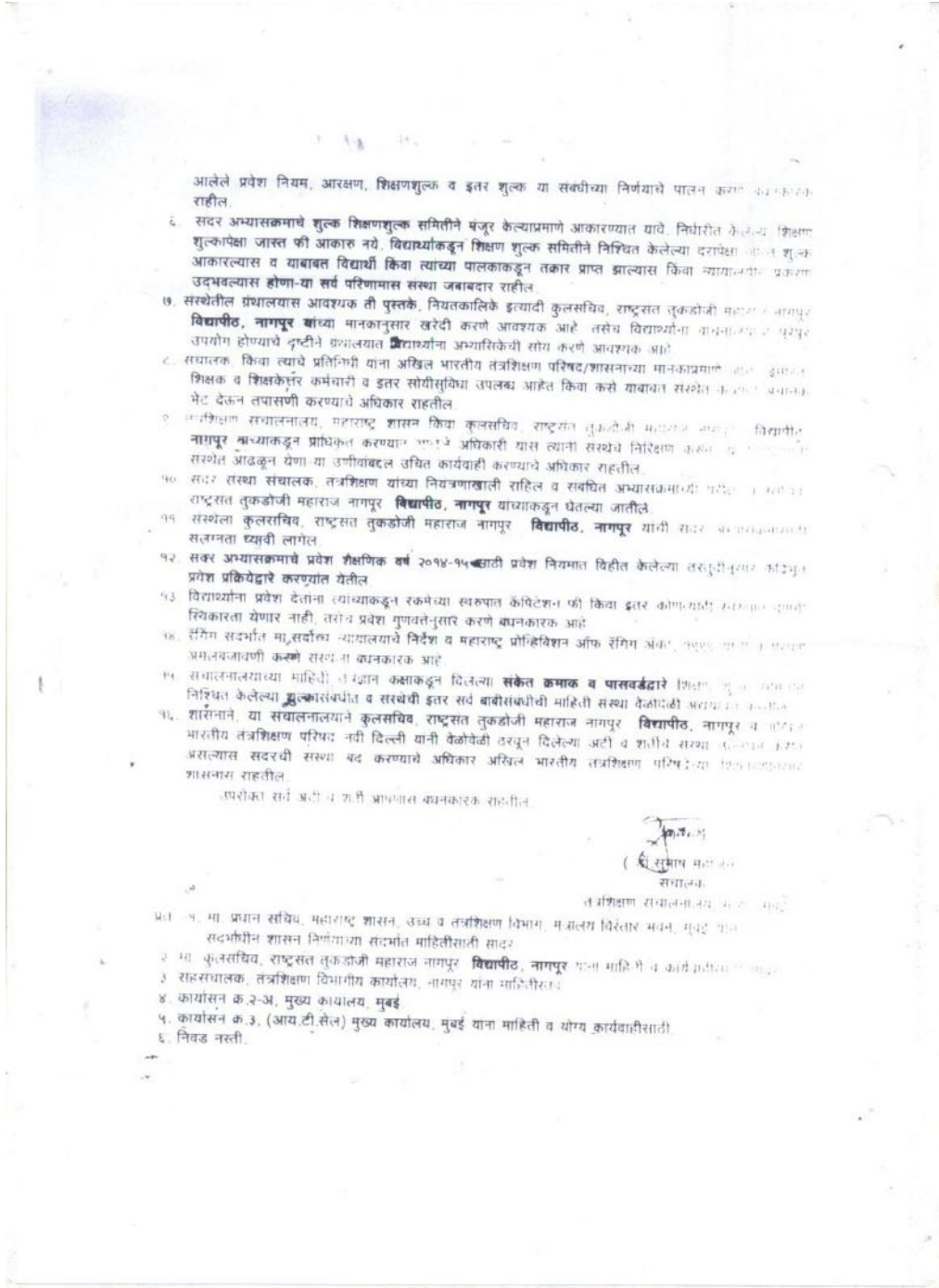
अ.क्र.	अभ्यासक्रमाचे नाव	प्रवेशप्रमाण
१	एम.टेक. इलेक्ट्रॉनिक्स अन्ड कम्युनिकेशन इंजिनिअरींग	२०

१. वर अस नमूद करण्यात येत की उपरोक्त अभ्यासक्रमासाठी संदर्भाधीन शासन निर्णयान्वये वर नमूद विद्यार्थ्यांना राज्य शासनामार्फत राबविण्यात येणारी कोटिप्रणाली योजनेच्या रांगेत राबवित जाणार नाही. आपणास सध्या स्थावरून विद्यार्थ्यांना घेण्यात यावी तसेच याबाबतची माहिती संस्थेच्या संकेतस्थळावरून टांककाने नमूद करावी.

२. सदर अटीपैकी आपण शासन निर्णयात नमूद केलेल्या अटींचे पालन करण्याचे नोंदणीकृत तपस्येने या संकेतस्थळावर सादर केले आहे.

३. विहित केलेल्या प्रटीपेकी खालील अटी व शर्तीच्या अंभिन राहून शैक्षणिक वर्ष २०१४-१५ पासून ३००० पेक्षा जास्त तत्वावर वरीलप्रमाणे नवीन पदव्युत्तर पदवी अभ्यासक्रम सुरू करण्यास व विद्यार्थ्यांना प्रवेश देण्यास या संस्थेला परवानगी दिलेली आहे.

- सदर मजुरी कायम विना अनुदान तत्वावर राहिलेले सदर अभ्यासक्रमासाठी शासनाकडून आदर्श ३ योजनेद्वारे अनुदान कोणत्याही परिस्थितीत व कोणत्याही कारणास्तव मागू केले जाणार नाही.
- शासन निर्णय, शिक्षण व सेवायोजन विभाग क्र.टीईएम ३३८२/१११८३५/(१९०)/ताशि.१, दि. २१ मे २०१३ अन्वये विना-अनुदान तंत्रशिक्षण संस्थाने शासनाने विहित केलेल्या अटी व शर्ती आपणास क्वानकारक परमाण्वे.
- संस्थेने अभ्यासक्रम घालविण्यास पूर्णवेळ शिक्षकवृंद कार्यवाही नेमावे व शासन व अखिल भारतीय तंत्रशिक्षण परिषदे यांच्या नियमाप्रमाणे घेतले व मते केल्या यास दृष्ट्यात याद, शिक्षक व डॉक्टर कर्मचा यांच्या योजनेतून वगळ इत्यादीबाबत तसेच विद्यार्थ्यांकडून या संचालनालयाकडे तक्रारी आल्यास किंवा न्यायालयीन प्रकरणात बदल घडवून आणणे सध्यास कडक कारवाई करण्यात येईल व हीणा या परिणामास राबवेची संस्था जबाबदार राहिलेली.
- शैक्षणिक वर्ष २०१४-१५ पासून विना अनुदान तत्वावर नवीन पदव्युत्तर पदवी अभ्यासक्रम सुरू करण्यास विद्यार्थ्यांना ३००० पेक्षा जास्त क्र. ८३१६४४ दि.१२.०७.२०१४ अन्वये इलाहाबाद बँक, शाखा - व्हिलेज हिंगणा, जि. नागपुर येथे संस्थाघालक व सघालक, तंत्रशिक्षण महाराष्ट्र राज्य, मुंबई यांच्या सयुक्त खात्यात १० वर्षासाठी जमा केलेले आहेत.
- आपल्या संस्थेला महाराष्ट्र शासन, तंत्रशिक्षण संचालनालय, महाराष्ट्र राज्य, मुंबई शिक्षण शुल्क समिती, प्रदेश नियंत्रण समिती, मुंबई व अखिल भारतीय तंत्रशिक्षण परिषद, नवी दिल्ली यांचेकडून येकोवेकी विहित करण्यात आलेले आहेत.



All India Survey of Higher and Technical Education (AISHE)



Change of Name of College Certificate (AICTE)

अखिल भारतीय तंत्र शिक्षण परिषदेने अभियांत्रिकी अभ्यासक्रमाच्या महाविद्यालयाच्या नावात बदल करण्यास मान्यता दिलेल्या बदलाबाबत.

महाराष्ट्र शासन
उच्च व तंत्र शिक्षण विभाग,
शासन निर्णय क्र. टिईएम-२०१२/(प्र.क्र.१२५)/तांशि-४
मंत्रालय विस्तार भवन, मुंबई ४०० ०३२.
दिनांक : १८ जून, २०१३.

- वाचा :
- १) अखिल भारतीय तंत्र शिक्षण परिषदेचे पत्र क्र. ०६/०७/एमएस/Engg./२००७/१४ दि. १६.०८.२००७.
 - २) शासन निर्णय, उच्च व तंत्र शिक्षण विभाग, क्र. सीटीसी-२००७/(३६२/०७)/तांशि-१, दिनांक १७.०९.२००७
 - ३) राष्ट्रसंत तुकडोजी महाराज नागपूर विद्यापीठ, नागपूर यांचे पत्र क्र. सीएस/८७१/सी/६४९, दिनांक ११.०२.२०१२
 - ४) शासन पत्र, उच्च व तंत्र शिक्षण विभाग, क्र. टीईएम-२०१२/(सीआर-१२५)/तांशि-४, दिनांक ३०.०६.१२
 - ५) अखिल भारतीय तंत्र शिक्षण परिषद, नवी दिल्ली यांचे पत्र क्र. वेस्टर्न/१-१३८६१७९७२२/२०१३ / ईओए, दिनांक १९.०३.२०१३
 - ६) प्राचार्य, श्रीमती भगवती चतुर्वेदी कॉलेज ऑफ इंजिनिअरींग, नागपूर यांचे पत्र क्र. बीसीसीई/ADMIN/२०१२-१३/१८५, दि. २५.०३.२०१३
 - ७) संचालक, तंत्र शिक्षण, महाराष्ट्र राज्य, मुंबई यांचे पत्र क्र. २/ एनजीसी/नावबदल/२०१३/६०२, दिनांक ०७.०५.२०१३

प्रस्तावना :- उपरोक्त संदर्भाधिन पत्राद्वारे अखिल भारतीय तंत्र शिक्षण परिषद, नवी दिल्ली यांनी लोकमान्य टिळक जनकल्याण शिक्षण संस्थेचे, श्रीमती भगवती चतुर्वेदी कॉलेज ऑफ इंजिनिअरींग, उमरेड रोड, नागपूर या अभियांत्रिकी अभ्यासक्रमाच्या महाविद्यालयाच्या नावात खालीलप्रमाणे बदल करण्यास मान्यता दिलेली आहे. त्यास अनुसरून सदर प्रस्तावास शासनाची मान्यता देण्याची बाब विचाराधीन होती.

शासन निर्णय : अखिल भारतीय तंत्र शिक्षण परिषद, नवी दिल्ली यांनी खाली नमूद केल्याप्रमाणे अभियांत्रिकी अभ्यासक्रमाच्या महाविद्यालयाच्या नावात बदल करण्यास मान्यता दिलेली आहे.

संस्थेचे पूर्वीचे नाव व पत्ता	संस्थेचे सुधारित नाव व पत्ता
लोकमान्य टिळक जनकल्याण शिक्षण संस्थेचे, श्रीमती भगवती चतुर्वेदी कॉलेज ऑफ इंजिनिअरींग, हरपूर नगर, उमरेड रोड, नागपूर - ४४० ००९.	लोकमान्य टिळक जनकल्याण शिक्षण संस्थेचे, प्रियदर्शिनी भगवती कॉलेज ऑफ इंजिनिअरींग, हरपूर नगर, उमरेड रोड, नागपूर - ४४० ००९.

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क्र. १५०६
२६/६/१३

१९/६/१३
१९/६/१३

१९.०६.१३
२०१३/०९/३
१९/६/१३

Change of Name of College Certificate (UNIVERSITY)



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

(Establishment by Government of Central Provinces Education Department by Notification No. 513 Dated the 1st of August, 1923 & presently a State University governed by Maharashtra Universities Act, 1994)

COLLEGE SECTION

Chhatrapati Shivaji Maharaj Administrative Premises, Ravindranath Tagore Marg, Nagpur. Ph. & Fax No.0713-2529932

No/RTMNU/CSI/ 4447. C15690 Dated - 18/6/2014.

- NOTIFICATION -

It is notified for general information to all the concerned that the names of the following two Colleges affiliated to the University have been changed as mentioned below viz.

Sr. No.	Name of the College	Colleges Renamed as
1)	Lokmanya Tilak Jankalyan Shikshan Santhas, Smt Bhagwati Chaturvedi College of Engineering, Harpur Nagar, Umrer Road, Nagpur -09	Lokmanya Tilak Jankalyan Shikshan Santhas, Priyadarshini Bhagwati College of Engineering, Harpur Nagar, Umrer Road, Nagpur -09
2)	Lokmanya Tilak Jankalyan Shikshan Santhas, J.L. Chaturvedi College of Pharmacy, Electronic Zone Building, MIDC, Hingna Road, Nagpur -16	Lokmanya Tilak Jankalyan Shikshan Santhas, Priyadarshini J.L. College of Pharmacy, Electronic Zone Building, MIDC, Hingna Road, Nagpur -16

(Signature)

(Dr. Ashok Gomashe)
Registrar

Rashtrasant Tukadoji Maharaj
Nagpur University, Nagpur

Copy forwarded for information to –

1. The Secretary to the Chancellor, Raj Haven, Malbar Hill, Mumbai- 400 035.
2. The Secretary to the Government of Maharashtra, Education & Employment Department, Mantralaya, Mumbai- 400 032.
3. The Secretary to Ministry of Education & Youth Affairs, Govt. of India, New Delhi.
4. The Secretary, University Grants Commission, Bahadur Shah Zafar Marg, New Delhi.
5. The Secretary, Association of Indian Universities, AIU House, 16 Kotla Marg, New Delhi-110002.
6. The Director of Education, (Higher Education), Maharashtra State, Pune-1
7. Administrative Officer (Higher Education), Nagpur.
8. Director, Social Welfare, Nagpur.
9. Commissioner, Tribble Welfare, Nagpur.
10. Director, All India Council for Technical Education, 7th floor, Chander Lok Building, Janpath, New Delhi.
11. Director, National Council for Teacher Education, Shyamla Hills, Bhopal (Madhya Pradesh)
12. Director, Bar Council of India, 21- Rouse Avenue Institutional Area, New Delhi- 110 002.
13. All Officers of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
14. Information Scientist, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur with a request to please publish this notification on our University Website www.nagpuruniversity.org.

IEQA Application

Track ID-MHCOGN27449

College Name-Priyadarshini
Bhagwati College of
Engineering

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IEQA SUBMISSION DATE-24/04/2017

**INSTITUTIONAL ELIGIBILITY FOR QUALITY ASSESSMENT(IEQA)
QUESTIONNAIRE**

1 COLLEGE DETAILS			
Name of the college	Priyadarshini Bhagwati College of Engineering	Year of establishment	2007
Location of the college	URBAN		
2 ADDRESS			
Address	harpur nagar, umrer road,opposite bada tajbagh, nagpur	City	Nagpur
State	Maharashtra	Pin Code	440024
Website	www.pbce.ltss.net	E-Mail	principalpbcoe@gmail.com
Phone STD Code	0712	Phone No	2710281
Fax STD Code	0712	Fax	2710283
3 HEAD OF THE INSTITUTION			
Name	Dr. N.K.Choudhari	Designation	principal
Status of appointment	PERMANENT		
4 CONTACT DETAILS OF HEAD OF THE INSTITUTION			
Phone std code	0712	Phone number	2710281
Fax std code	0712	Fax	2710283
Mobile	+919823273864		
E-Mail	principalpbcoe@gmail.com		
5 DOES THE COLLEGE FUNCTION FROM			
a. MAIN CAMPUS			
	AREA OF THE CAMPUS IN ACRES	TOTAL BUILT UP AREA IN sq.m.	
OWN BUILDINGS	5.09	22554.0	
RENTED BUILDINGS	0.0	0.0	
b. SATELLITE CAMPUS			
	AREA OF THE CAMPUS IN ACRES	TOTAL BUILT UP AREA IN sq.m.	
OWN BUILDINGS	0.0	0.0	
RENTED BUILDINGS	0.0	0.0	
6 NAME OF THE UNIVERSITIES TO WHICH THE COLLEGE IS AFFILIATED OR CONSTITUENT			
University1	The Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur	Other	
Nature of relationship with the university	AFFILIATED	If affiliated, status of affiliation	TEMPORARY
University2		Other	
Nature of relationship with the university		If affiliated, status of affiliation	
University3		Other	
Nature of relationship with the university		If affiliated, status of affiliation	
7 STATUTORY PROFESSIONAL REGULATORY COUNCIL(S)			
Does the college offer any programme recognized by any Statutory Professional Regulatory Council(s)?			yes

Programmes offered	B.E. (COMPUTER SCIENCE & ENGINEERING ; INFORMATION TECHNOLOGY ; ELECTRONICS & COMMUNICATION ENGINEERING ; CIVIL ENGINEERING ; MECHANICAL ENGINEERING ; ELECTRONICS ENGINEERING) M. TECH. (COMPUTER SCIENCE & ENGINEERING ; ELECTRONIC & COMMUNICATION ENGINEERING)		Name of the Regulatory Council(s)	AICTE				
8 COLLEGE FUNCTIONING								
Type of college	CO-EDUCATION		Time of functioning	DAY COLLEGE				
Nature of funding	SELF-FINANCING		Management	MINORITY				
9 MANAGEMENT/TRUST DETAILS								
Name of the Management	LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA		Recognition under Uge Act.1956	NEITHER 2f NOR 12B				
10 MANAGEMENT/TRUST OF THE COLLEGE IS REGISTERED UNDER								
Society's registration Act of 1960	no	Relevant Act of the respective state Govt.	yes					
Any other(please specify)								
11 NUMBER OF DEGREES OFFERED BY THE COLLEGE								
UG	6		PG	2				
Research	0		Others	0				
Total	8							
12 DETAILS OF DEGREES OFFERED(B.A., M.A., B.Com., M.Com., B.Sc., M.Sc., M.Phil., Ph.D., etc.,)								
Arts			Commerce					
Science			Education					
Health Science			Engineering & Technology	B.E.AND M.TECH				
Management			Others					
Is the college opting for Assesment & Accreditation of Teacher Education department separately?								
no								
Is the college opting for Assesment & Accreditation of Physical Education department separately?								
no								
Number of departments								
6								
13 TOTAL NUMBER OF STUDENTS(EXCLUDING THOSE IN SELF-FINANCING PROGRAMMES)								
	UG		PG		M.Phil/Ph.D		Value Added Courses(Certificate/Diploma)	
	Male	Female	Male	Female	Male	Female	Male	Female
General	0	0	0	0	0	0	0	0
SC/ST	0	0	0	0	0	0	0	0
OBC	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Grand Total	0							
14 TOTAL NUMBER OF STUDENTS IN SELF-FINANCING PROGRAMMES								
	UG		PG		M.Phil/Ph.D		Value Added Courses(Certificate/Diploma)	
	Male	Female	Male	Female	Male	Female	Male	Female
General	143	88	3	18	0	0	0	0
SC/ST	161	95	1	5	0	0	0	0
OBC	568	317	1	12	0	0	0	0
Total	872	500	5	35	0	0	0	0
Grand Total	1412							
Total number of students in the college								
1412								
15 NUMBER OF TEACHING, TECHNICAL AND ADMINISTRATIVE STAFF								
	Permanent		Temporary		Total			
	Male	Female	Male	Female	Male	Female		
Teachers with PG	28	25	17	40	45	65		

NAAC Self Study Report for Affiliated College

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Bhagwati College of
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Teachers with M.Phil.	0	0	0	0	0	0
Teachers with Ph.D	1	3	0	2	1	5
Teachers with NET/SLET	0	0	0	0	0	0
Technical staff	1	0	19	0	20	0
Administrative staff	2	0	9	3	11	3
Support staff	3	0	13	18	16	18
Total no. of teachers	29	28	17	42	46	70
16 SUPPORT SERVICES						
Number of titles of books	3645					
Number of journals	66					
Number of e-resources	2					
Does the college have a registered Alumni Association?	no					
Does the college have a functional Placement Cell?	yes					
17 UNIT COST OF EDUCATION						
Unit Cost=Total annual expenditure divided by no. of students enrolled	70468.0					
Unit cost calculated excluding salary component	28762.0					
18 MENTION FIVE ACADEMIC MILESTONES OF THE COLLEGE						
First	GOOD RESULTS WITH MANY OF OUR STUDENTS SECURED MERIT POSITION IN UNIVERSITY EXAMINATIONS RESULTS					
Second	MANY STUDENTS ARE PLACED IN REPUTED COMPANIES LIKE INFOSYS, TCS, PERSISTANT ETC					
Third	THE COLLEGE HAS ACHIEVED GOOD REPUTATION IN THE REGION BECAUSE OF ITS ACADEMICALLY DISCIPLINED ENVIRONMENT					
Fourth	SIGNIFICANT PARTICIPATION OF FACULTY AND STUDENTS IN TECHNICAL EVENTS WITH REMARKABLE ACHIEVEMENTS					
Fifth	PRINCIPAL DR N K CHOUDHARI HAS BEEN CONFERRED WITH BEST PRINCIPAL AWARD BY RASTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY IN 2015.					
Section 2: Institutional Data Questionnaire						
1. The college has in place a structured internal quality assurance system for ensuring continuous quality monitoring or improvement	YES					
2. Library has reading room facilities for students and faculty separately	YES					
3. The college uses the students feedback for analysis and improvement purposes	YES					
4. Basic computer literacy is ensured for all students in a structured way such as add on courses	YES					
5. The college provides financial aid to at least 10% of the general category students	YES					
6. The college has a mechanism for counselling students	YES					
7. An annual in-house academic calendar is prepared and implemented by the college	YES					
8. The college has a mechanism for addressing grievances of students and staff	YES					
9. The college promotes scholarly activities of the faculty beyond the syllabus	YES					
10. Internet facility is available in the college for faculty and students	YES					
11. The college campus is differently-abled friendly	YES					
12. The college has a formal mechanism to promote research activities of its students and faculty.	YES					
13. The college has adequate sports facility	YES					
14. The college has developed a short term and a long term plan for its development and growth	YES					
15. Percentage of classrooms equipped with LCD projector	25-50%					
16. Percentage of teachers using audio-visual aids including computer-aided teaching	>40%					
17. The average number of extension activities organised by the college during the last four years	>6					
18. Average percentage utilization of annual allocated funds for the last four years	>75%					
19. Maintenance expenditure on infrastructure as percentage of the total annual budget	<2%					
20. Average pass percentage of graduating students	>70%					
21. Computer students ratio	<1:30					
22. Percentage of faculty benefitted from UGC and other staff development programmes (average of last four years)	>10%					
23. Percentage of permanent teachers with Ph.D. qualification	<20%					
24. Percentage of classes taught by guest faculty or temporary teachers	<20%					
25. Students teacher ratio	<30:1					
26. Percentage of faculty positions filled against sanctioned posts	>80%					
27. Number of add-on courses conducted by the college	>5					

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28. Awards received by the students in sports and cultural activities in the last four years	National or International Level
29. Percentage of teachers having on-going or completed research projects in the last four years	<10%
30. Number of academic seminars or conferences or workshops that the college has organized (average of last four years)	>4
31. Number of Journals subscribed in the library National or International	>20
32. Percentage of students admitted against the reservation category as per Government of India norms	>75%
Certificate	
This is to certify that the information given in the IEQA application is true to the best of my knowledge and ability and if the same is found to be false or misleading, I authorize NAAC to initiate any action which it deems fit including withholding the outcome of the Peer Team Visit.	