

#### PATRONS:

**Dr. Satish Chaturvedi**  
Chairman, LTJSS, Nagpur  
**Smt. Abha Chaturvedi**  
Secretary, LTJSS, Nagpur  
**Shri. Dushyant Chaturvedi**  
Director (GB), LTJSS, Nagpur  
**Shri Abhijit Deshmukh**  
Director, LTJSS, Nagpur

#### ADVISORY COMMITTEE:

**Dr. N. K. Choudhari**  
Principal, PBCOE, Nagpur  
**Dr. M. P. Singh**  
Principal, PCEA, Nagpur  
**Dr. V. M. Nanoti**  
Principal, PIET, Nagpur  
**Dr. A. M. Shende**  
Principal, PJLCOE, Nagpur  
**Dr. J. P. Modak**  
Dean R & D, LTJSS, Nagpur  
**Prof. P. S. Pandit**  
Dean (P&D), LTJSS, Nagpur  
**Prof. M. J. M. S. Siddiqui**  
Dean Academics, LTJSS, Nagpur  
**Dr. (Mrs.) A. R. Chaudhari**  
Dean Academics & IQAC Co-ordinator,  
PBCOE, Nagpur

#### ORGANIZING COMMITTEE:

Ms. D. P. Radke	Ms. M. H. Mate
Ms. S. S. Wankhede	Ms. R. P. Dagde
Mr. D. B. Khadse	Ms. Shruti Tiwari
Mr. V. P. Gaikwad	Ms. Ashwini Tikale
Mr. D. V. Jamthe	Mr. Ajay Bhaizare

#### IMPORTANT DATES:

Last Date of Receipt of Application : **29 March 2019**  
Commencement of Course : **02 April 2019**

#### REGISTRATION PROCEDURE:

Application in the attachment form duly recommended / Sponsored by the concerned authority along with Cash / DD / Cheque favour of Principal, Priyadarshini Bhagwati College of Engineering, Nagpur payable at Nagpur should reach on the given address of correspondence by 05 Apr 2019.

#### REGISTRATION FEES:

Faculties from educational Institutions	: Rs.2500/-
Research Scholar	: Rs.2000/-
Industry Person	: Rs.2500/-

#### CERTIFICATE:

As per the guidelines of AICTE, a test will be conducted by the institute at the end of the programme & copy of question paper, result sheet of the successful participants is to be submitted to ISTE. Certificates will be issued to those participants only who have attended the programme and have qualified in the test. Participation Certificates will be issued jointly by ISTE Hqs. & AICTE New Delhi to the participants. The Programmes shall be considered for the Career Advancement Scheme of AICTE.

#### RESOURCE PERSON:

**Mr. Deepak Singh** - A Tech Enthusiast with expertise in Artificial Intelligence, Machine Learning, Internet of Things, Deep Learning and grip on R and Python. Deepak is a Mathematics and Computing graduate from IIT-BHU, Varanasi in 2010. He has an industry experience of 7+ years with specialization in web technologies, cloud infrastructure development and databases. Currently works as a freelance developer and trainer on IoT, Machine Learning & Artificial Intelligence since 4 years. He has Trained Corporate on various technologies like IoT, Machine Learning, Python, and Artificial Intelligence.

#### CONTACT DETAILS:

Email-ID: [kapilhande@gmail.com](mailto:kapilhande@gmail.com)  
9822422666  
[nikose.archu@gmail.com](mailto:nikose.archu@gmail.com)  
9503485953



## ONE WEEK AICTE-ISTE APPROVED SELF FINANCED SHORT TERM TRAINING PROGRAM ON MACHINE LEARNING USING PYTHON 02 Apr 2019 to 06 Apr 2019

Co-ordinator

**Mr. K. N. Hande**  
Head of Department

Co-coordinator

**Ms. A. A. Nikose**  
Assistant Professor

#### NAAC ACCREDITED



Organized By

Department of Computer Science & Engineering  
**Priyadarshini Bhagwati College of Engineering**  
Harpur Nagar, Umred Road, Nagpur – 440024 (MH India)  
Tele: 0712-2710282, Fax: 0712-2710283  
Website: [www.pbcoe.edu.in](http://www.pbcoe.edu.in)



#### ABOUT COLLEGE:

Priyadarshini Bhagwati College of Engineering was established in the academic year 2007 and is one among the fast growing technical institute in the region with a view to impart high quality technical education to the aspirants of technical education in the field of Engineering. It is quite equipped with all kinds of necessary infrastructure and dedicated, well qualified faculties. It is set up on 06 acres of land situated within the city of Nagpur - the orange city. This technical institute believes in providing the high quality technical education with focus on ethical values. There is consistent effort to provide the technocrats having through technical knowledge along with social awareness.

#### ABOUT DEPARTMENT:

The department of Computer Science & Engineering was established in the year 2007 running courses in BE (Comp. Sc & Engg.) with intake of 60 and M. Tech in Computer Science & Engineering in year 2011 with intake of 18. It has adequate infrastructure and well equipped total 8 laboratories with 140 computers and all the laboratories are connected with internet of 35 mbps speed.

The department has well qualified, young, dynamic and motivated staff. The alumni of the department are working in MNCs and some of them have completed post graduation in M.S. in USA. The students of department are university rank holders as well they are doing good in various extra and co curricular activities. The department organizes various technical level workshops, National level events, seminars, guest and expert lectures for the benefit of students and department is achieving new heights day by day. The department is very well academically disciplined. The department students have been placed in various reputed companies like TCS, Collabera, Persistent, Amazon etc.

#### ABOUT STTP:

#### SIGNIFICANCE & OBJECTIVES OF STTP

To provide a platform for Faculty / Research Scholars and practical exposure through hands on practice on leading technology & tools on the recent subjects (Machine Learning, Big Data, Artificial Intelligence, Hadoop Technology) involved in Engineering syllabus by Industrial professionals. Machine Learning is a growing field that is used when searching the web, placing ads, credit scoring, stock trading and for many other applications. Machine learning is a type of artificial intelligence (AI) that allows software applications to become more accurate in predicting outcomes without being explicitly programmed. The basic premise of machine learning is to build algorithms that can receive input data and use statistical analysis to predict an output value within an acceptable range. This workshop provides practical foundation level training that enables immediate and effective participation in Big data And Data Science and other Analytics projects. Participants will develop a basic understanding of the principles of machine learning and derive practical solutions using predictive analytics.

#### COURSE CONTENT:

##### Introduction to Python, Python ML libraries

- Python Programs, Numpy, Pandas, Matplotlib, Ski-Learn  
**Machine Learning**

- Data Science, Supervised/ unsupervised learning In depth, Regression, Single Variable Linear Regression Problem

##### Linear Regression Continued

- Simple & Multiple Linear Regression Problem Model Selection, Nonlinearity, Linear Regression in Python, **HandsOn-Solving Data Sets Based on Linear Regression**

##### Classification

- Logistic Regression, Multivariate & Multiclass Logistic Regression, Logistic Regression in Python, K-Nearest Neighbours in Python, Cross-validation

##### Trees

- Decision Trees, Classification Trees and Comparison with Linear Models, Random Forest, HandsOn - Applying Random Forest on Problems to see the improvement in results

##### Introduction to Neural Networks

- Non Linear Problem, Forward Propagation Multi Linear Perceptron, HandsOn- Building a Forward and Backward propagation Neural Network from Scratch

##### Unsupervised Learning

- K-means Clustering, HandsOn - Implementing K-means Clustering

##### Support Vector Machines, Introduction to Deep Learning

#### REGISTRATION FORM

### AICTE-ISTE APPROVED STTP ON MACHINE LEARNING USING PYTHON 02 Apr 2019 to 06 Apr 2019 (Last Date of Registration - 29 March 2019)

Name: \_\_\_\_\_

Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Experience: \_\_\_\_\_

Organization / Institute: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Contact No: \_\_\_\_\_

E-mail ID: \_\_\_\_\_

ISTE Membership No: \_\_\_\_\_

DD/Cheque No: \_\_\_\_\_

Amount: \_\_\_\_\_

Bank: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of  
Applicant

Signature of  
Sponsoring Authority