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**Dr. Nagasundara K B**, Dept of CSE, JSSATE, Bengaluru

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**Fee Particulars:**

**Registration Fees: Rs. 1180/- (inclusive of GST 18%).**

**Demand Draft:** in favour of the PRINCIPAL, JSSATE, Bengaluru

**NEFT Details:** Beneficiary Name: Principal, JSSATE, Bengaluru.  
Bank Name: Corporation Bank  
Branch: Jayanagar 560011  
Account Number: **520361022990229**  
IFSC: **CORP0000074**

**FACULTY DEVELOPMENT PROGRAM**

on

**“Machine Learning: Techniques and Tools”**

Full Name:.....  
Designation:.....  
Department:.....  
Institution / Organisation:.....  
Email ID:.....  
Mobile No:.....  
Accommodation Required: Yes / No  
Postal Address:.....  
.....  
.....  
.....  
Pin code.....

**Details of Registration Fee**

Name of Bank & Branch:  
DD No:..... NEFT:.....

Date: Signature

**Sponsoring Authority:**

I hereby agree to sponsor Dr. / Mr. / Ms. /.....  
..... for the Faculty Development  
Program on “Machine Learning: Techniques and Tools”.

Date: Signature

**Address for Correspondence**

**Dr. Nagasundara K B**,  
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**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education**

Dr. Vishnuvardhan Road, Bengaluru - 560060  
(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi,  
Accredited by NBA, New Delhi)

**www.jssateb.ac.in**



Five Days Faculty Development Programme on  
**Machine Learning: Techniques and Tools**

**Date: 17<sup>th</sup> to 21<sup>st</sup> December 2018**



**Organized by**  
**Department of Computer Science & Engineering**  
**JSS Academy of Technical Education**  
**Bengaluru**

**Convenors**

**Dr. Naveen N C**

**Dr. Prabhudev Jagadeesh**

**Co-Convenor**

**Dr. Nagasundara K B**

## About the Institute

JSS Academy of Technical Education (JSSATE) Bengaluru was established in the year 1997 under the umbrella of JSS Mahavidyapeetha, Mysuru. JSSATE Bengaluru is the result of the vision of our President, His Holiness Jagadaguru Sri Shivarathri Deshikendra Mahaswamiji to proactively participate in establishing a world class institution for technical education. The campus is located in a sprawling 21.17 acres of land surrounded by lush green plantation on the south-western edge of Bengaluru city. The institute is affiliated to Visvesvaraya Technological University (VTU), Belagavi, India. The institute has an excellent infrastructure with the state-of-the-art equipment and machinery as laboratory facilities. The whole campus is networked with Wi-Fi facility and also has centralized browsing facility. The college offers Bachelor of Engineering in CSE, ISE, E&CE, E&IE, IEM, ME and Civil Engineering disciplines. The college also offers postgraduate programs in VLSI Design & Embedded Systems, Thermal Engineering & Master of Business Administration. The institute has a centralized library with open access facility for students. The institute digital library has online access to international journals. Book bank facility is available for students. All the seven UG Programs are accredited by NBA for 3 years.

## About the Department

The department of Computer Science and Engineering was established in the year 1997 with the objective of imparting quality education in the field of Computer Science and Engineering. The department has current intake of 180. The department was accredited by NBA for three years in 2018. The department has to its credit a team of qualified, experienced and dedicated faculty, whose main aim is to equip the students with the knowledge and expertise to contribute significantly to the society and to continue to grow professionally. The students of the department are consistently getting ranks in the university examinations.

The department has well equipped laboratories with state of the art computing facilities. The department has its own library, and also has technology forum called Init (Innovative in technology). The continuous interaction with industries is established through sponsored projects and industrial visits. The department is recognized as a research centre by Visvesvaraya Technological University, Belagavi. With rapidly evolving technology and continuous need for innovation, it has been the department on going endeavor to produce quality engineering graduates. The department in the past has successfully organized several workshops /conferences at the national and international levels.

## About FDP

Machine learning is a branch of artificial intelligence that often uses statistical techniques to give computers the ability to LEARN that is progressively improve performance on a specific task with data, without being explicitly programmed. The term machine learning was coined in 1959 by Arthur Samuel and it evolved from the study of pattern recognition and computational learning theory. The process of machine learning is similar to that of data mining. So the statistical learning approach has been successfully applied to many problems of interest in machine learning, such as Computer vision, Speech processing, Robotics, Information retrieval, and Bioinformatics over the last decade. Within the field of data analytics, machine learning is a method used to devise complex models and algorithms that lend themselves to prediction. These analytical models allow researchers, data scientists, engineers, and analysts to produce reliable, repeatable decisions and results and uncover hidden insights through learning from historical relationships and trends in the data. The goal of this workshop is to impulse further these advances by bringing together experts from fields spanning the full broad range of modern learning theory. The main focus of this FDP is to discuss various Machine Learning Techniques and Tools and implementations of some machine

learning techniques using either MatLab and/or Python tools through hands-on sessions.

## Objectives of the FDP

- Introduces the basics of Machine Learning theory, laying down the common themes and concepts, and its applications.
- Provide an overview of the Machine Learning Techniques
- Enable the use of the state of the art methods in Machine Learning Techniques,
- Give hands-on experience on Machine Learning Tools.

The topics are engaged by experts from IITs, IIITs, and other reputed universities along with different industry experts. The FDP provides an ideal opportunity for budding researchers to dawn research in the area of machine learning, and the recent advances in the data analytics, we appeal faculty members, research scholars, postgraduate students to make effective use of it.

## Resource Persons

**Dr. S. R. Mahadeva Prasanna**, IIT Dharwad

**Dr. D. S. Guru**, University of Mysore, Mysuru

**Dr. Neha Bharill**, IIIT Dharwad

**Dr. B. H. Shekar**, Mangalore University, Mangaluru

**Dr. Veerabhadrapa**, Mangalore University, Mangaluru

**Dr. Manjunath Aradhya V. N**, SJCE, Mysuru

**Dr. Harish B. S**, SJCE, Mysuru

**Dr. Dinesh R**, Samsung Technologies

**Dr. Manjunath S**, Samsung Technologies

**Dr. Puneetha P**, IBM India

**Dr. Naveen Onkarappa**, Harman International India Pvt. Ltd

**Dr. Mohammad Imran**, Ejyle Technologies

**Dr. Mallikarjuna P. B**, JSS ATE, Bengaluru