

## ORGANIZING COMMITTEE

### Chief Patron:

**His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamigalavaru**

President, JSS Mahavidyapeetha, Mysuru

### Patrons:

**Prof. Vinay Kumar Pathak**, Vice chancellor, AKTU, Lucknow

**Dr. C.G Betsurmah**, Executive Secretary, JSSMVP, Mysuru

**Prof. M. H. Dhananjaya**, Advisor, JSSMVP, Mysuru

**Dr. C. Ranganathaiah**, Director (A&A), JSSMVP, Mysuru

**Dr. B.G. Sangameswara**, Vice Chancellor, JSSS & T University, Mysuru

### General Chair:

**Prof. H.K. Paliwal**, Dean of Faculty, AKTU, Lucknow

**Prof. T. N. Nagabhushan**, Principal, SJCE, Mysuru

**Dr. Karm Veer Arya**, Dean(PG), AKTU, Lucknow

**Prof. V.K. Singh**, BOS Convenor, AKTU, Lucknow

**Dr. R.K. Aggarwal**, Professor, JNU, New Delhi

**Dr. Ela Kumar**, Professor, IGDTUW, New Delhi

### Programme Chair:

**Prof. G .M. Patil**, Principal, JSSATE, Noida

### Programme Convener:

**Prof. Vikram Bali**, Head of Department,

Department of Computer Science & Engineering, JSSATE, Noida

### Programme Coordinator:

**Dr. Jyoti Gautam**, Associate Professor,

Department of Computer Science & Engineering, JSSATE, Noida

### Departmental Organizing Committee

**Dr. Anita Sahoo**, Associate Professor, JSSATE, Noida

**Mr. Vimal Gupta**, Assistant Professor, JSSATE, Noida

**Ms. Deepti Aggarwal**, Assistant Professor, JSSATE, Noida

**Ms. Gunjan Pahuja**, Assistant Professor, JSSATE, Noida

**Mr. Ajay Kumar**, Assistant Professor, JSSATE, Noida

## REGISTRATION DETAILS

Participants willing to attend this FDP should send filled registration form to [info.cse@jssaten.ac.in](mailto:info.cse@jssaten.ac.in). Registration is on first-come-first-served basis. Confirmation of registration will be informed by email. Accommodation and TA / DA will not be provided.

## LAST DATE OF REGISTRATION

**19<sup>th</sup> May, 2018**

**NO REGISTRATION FEE**

## TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM- PHASE III (TEQIP-III)



**JSS MAHAVIDYAPEETHA**  
JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA



## FACULTY DEVELOPMENT PROGRAMME

On

*Soft-Computing: Techniques, Tools & Applications*

11<sup>th</sup> June - 15<sup>th</sup> June, 2018



Sponsored by:

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY**  
LUCKNOW

Organized by:

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
JSS ACADEMY OF TECHNICAL EDUCATION  
C-20/1, SECTOR-62,  
NOIDA-201301

Ph: **+91-0120-2400115 (Ext: 241)**

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## ABOUT THE COLLEGE

JSS Academy of Technical Education, Noida (JSSATEN) is one of the leading technical institutions in the National Capital Region in the State of Uttar Pradesh, established in the year 1998 by JSS Mahavidyapeetha, Mysuru. The Institution has set benchmarks every year and grown into an Institution of Excellence in technical education. Located in the central part of NOIDA, JSSATEN has become a household name for its excellence in discipline, teaching, training and placement. The Institution has MOUs with Colorado Heights University, Denver, USA for student exchange program, Texas Instruments Centre of Excellence, Nokia Mobile Innovation Labs, e-Yantra - Embedded & Robotics Lab funded by MHRD under NMEICT, PLMCC, Schneider Electric Substation Automation Labs and Centre for Innovation & Design are additional facilities for the students to innovate new ideas. JSSATEN is proud to mention that it has created necessary manpower and infrastructure to implement **Outcome Based Education**. Today, JSSATEN has total student strength of over 4000, who are mentored by more than 250 faculty members. The Campus has finest accommodation for girls and boys.

## ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering (CSE), established in the 1998, is one of the oldest departments of the institution. The faculty members and technical staff are involved, not only, in classroom teaching, but also in Project Guidance, Industrial Interactions, Research Activities, Seminars, Workshops, various co-curricular activities and beyond curriculum training, aiding in the holistic development of the students. It offers a four year degree program in Computer Science and Engineering with an annual intake of 180 students and two year M.Tech. Post Graduate program in Computer Science & Engineering with an annual intake of 18 students. These programs are affiliated to AKTU, Lucknow. The faculty is well qualified and a large number of faculty members are pursuing PhD from renowned institutions and are involved in research in areas such as Artificial Intelligence, Neural Network, Pattern Recognition, Natural Language Processing, Data Mining, Data Compression, Image Processing, etc. After completing the four year degree programme, students get placed in reputed companies like Infosys, Tech Mahindra, Birlasoft, to name a few. Many students have also been hired by PSUs like Indian Navy, Indian Army and Air force, while many are pursuing M.Tech., MBA & MS from premier institutions like IISc, IITs, IIMs and Symbiosis.

## AIM AND SCOPE OF THE FDP

This ONE week FDP on “Soft-Computing: Techniques, Tools & Applications” offers an expert views on availability of tools and techniques for soft computing. Objective of this FDP is to provide hands-on experience on Neural Network models for pattern Recognition, Deep Learning and Optimization techniques and to provide a forum to exchange views, ideas & the latest innovations in the field of Soft Computing.

This FDP proposes to build a strong faculty workforce in the area of soft computing for motivating students towards this area. Trained faculty will nurture the talented youth in the campus to come out with new solutions for critical challenges in this domain. JSSATE, Noida is committed to educate all in highly challenging and demanding technical areas. Department of Computer Science & Engineering has designed this program to support the kind of progressive teaching and learning that industry demands.

## COURSE CONTENTS

- Neural Network and Future trends
- Implementation of Neural Networks models using MATLAB for pattern recognition
- Deep Learning & its applications
- A journey from Neural Networks to Deep Learning with hands on session
- Concepts of Swarm Intelligence and Analysis of Ant Colony Models
- Optimization Techniques using MATLAB
- Collective Intelligence
- Recent Trends of Research & Applications in Soft Computing
- IOT: Soft Computing Applications
- Image Mining: Issues and Challenges
- Big data Analytics using Hadoop

## RESOURCE PERSONS

Eminent Professors and senior faculty members from reputed institutions will deliver their talks during the various sessions of the programme.

## PARTICIPANTS

Faculty members of Engineering Colleges affiliated to AKTU.

## FOR MORE INFORMATION

For more information, kindly contact:

- Ms. Deepti Aggarwal (9811477022), Assistant Professor, JSSATE, Noida
- Mr. Sur Singh Rawat (9718958662), Assistant Professor, JSSATE, Noida



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**REGISTRATION FORM**

**Name:** .....

**Designation:** .....

**Department:**.....

**Institution / Organization:**.....

**Area of Specialization:** .....

**Academic Qualification:**.....

**Address:**.....

.....

**E-mail:** .....

**Contact No.:** .....

**NO REGISTRATION FEE**

**Declaration**

The above information furnished is correct to the best of my knowledge and belief.

**Signature of Applicant**

**Signature of HOD**

**Signature & Seal of Principal / Director**