

ABES Engineering College

NAAC Accredited & NBA Accredited Branches (CSE, ECE, ME, EN & IT)



Estd.2000

19th Km Stone, NH-24, Ghaziabad-201 009, UP

T: +91 120 7135112 M: 09999889341, E: info@abes.ac.in



Chief Patrons

Prof. (Dr.) Vinay Kumar Pathak
Vice Chancellor,
Dr. APJ Abdul Kalam Technical University
Lucknow

Sh. Neeraj Goel
President
ABESEC, Ghaziabad

Patrons

Sh. Raghunandan Kansal
Advisor
ABESEC, Ghaziabad

Sh. Sachin Kumar Goel
Vice President
ABESEC, Ghaziabad

Prof. Gajendra Singh
Director
ABESEC, Ghaziabad

Conveners

Prof. (Dr.) Amit Sinha
Head-Department of IT

Mr. Pankaj Sharma
Associate Professor
AHOD-IT

Co-Conveners

Dr. Santosh Kumar
Professor (IT)

Mr. Ashwin Perti
Associate Professor (IT)

FDP Coordinator

Ms. Deepali Dev
Assistant Professor (IT)

Organizers

Dr. Kanika Gupta, Associate Professor
Mr. Ritin Behl, Assistant Professor
Ms. Nandita Goyal, Sr. Assistant Professor
Ms. Somya Srivastava, Assistant Professor
Ms. Jagreeti Kaur, Assistant Professor

Ms. Ayushi Srivastava, Assistant Professor
Ms. Manika Bhardwaj, Assistant Professor
Ms. Shelly Gupta, Assistant Professor
Mr. Tarun Bagga, Assistant Professor
Ms. Swati Goel, Assistant Professor

Contact Persons

Mr. Ashwin Perti
(Mob. 9953555368)

Registration In charge:

Ms. Jagreeti Kaur
&
Mr. Tarun Bagga

Technical Education Quality Improvement Program-Phase III (TEQIP-III)

Faculty Development Program

on

Pattern Recognition

9th-13th July, 2018

Dr. APJ Abdul Kalam Technical University, Lucknow



Organized by



Estd.2000

Department of Information Technology,
ABES Engineering College, Ghaziabad

About ABES Engineering College

ABES Engineering College is affiliated to Dr. A. P. J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow. ABES EC has been established in year 2000 with the objective of providing education in Engineering & Management. The programs offered by the institute include various verticals under Bachelor of Technology (B. Tech) i.e., Computer Science & Engineering, Information Technology, Electrical & Electronics Engineering, Electronics & Communication Engineering, and Mechanical Engineering and Civil Engineering. The post graduate courses include MBA, MCA and M. Tech. ABES EC is approved by AICTE and Ministry of HRD, Government of India. The college is ISO 9001:2008 certified, NAAC Accredited & NBA Accredited (CSE, ECE, ME, EN & IT). The college, in terms of 1st year University (AKTU) results has achieved No.1 position. The institute has received Star Performance Award for Academic Excellence & Certificate of Appreciation Award from the University. The institute has various centres of excellence for professional development of students.

About the Department

The Department of Information Technology in ABES Engineering College is one of the oldest departments, which was established in the year 2000. Department of Information Technology is currently NBA Accredited for 3 years. Department of IT started its journey with the intake of 60 students which was increased to 120 in the year 2013. The department follows a well proven pedagogy of imparting knowledge along with practical implementation of skills to young minds. Students of the department of Information Technology find placement in premier industries like TCS, IBM, HCL, Tech Mahindra, Birla Soft and many more from fortune 500 IT Companies.

Objectives of FDP

Pattern recognition is a branch of machine learning that focuses on the recognition of patterns and regularities in data. Pattern recognition systems are in many cases trained from labeled "training" data (supervised learning), but when no labeled data are available other algorithms can be used to discover previously unknown patterns (unsupervised learning). In this context various computational technologies have emerged, facilitating various human needs. Some of those fields which can rather be called the deep learning, artificial intelligence & machine learning.

This faculty development program is intended to provide opportunity for faculty employed in affiliated engineering colleges of the AKTU University for teaching and upgrading their knowledge in the area of Pattern Recognition and Deep Learning. The programme is intended to give the participants a focused view on the role played by Pattern Recognition. The pedagogy includes lectures, discussions and hands on practise using **Python / R** software. The workshop will provide the opportunities to flourish the knowledge and pursue research in this area. The 1-week FDP will enable the participants to understand the various research problems in area of pattern recognition & deep learning.

Major Topics of FDP

- i. Applications of Probabability Theory for Pattern Recognition
- ii. Machine learning and Pattern Recognition
- iii. Imortance of Parameter Estimation Methods
- iv. Pattern Recognition using Neural Networks
- v. Artificial Intelligence in Pattern Recognition
- vi. Pattern Recognition through Association Rules
- vii. Image Pattern Classification in Machine Learning
- viii. Clustering Algorithm and its Applications in Pattern Recognition
- ix. JAVA Design Patterns
- x. Pattern Based Routing in Wireless Networks

Who can apply?

The FDP is open to all disciplines of engineering and designed for the faculty members from Dr. APJ Abdul Kalam Technical University, affiliated colleges, who are keen to learn and enhance their knowledge in the field of wireless and sensor networks. Moreover they are keen to work in the Area of Pattern Recognition are most Welcome.

Registration

The participants should register by filling Google form and also e-mail the scanned copy of the filled & duly signed registration form to the FDP coordinator on or before 5th July, 2018. The hard copy of the registration form must be submitted on the first day of the program at the registration desk.

Resource Persons

Resource persons to conduct the program are experts from industry and academia with excellent track record of accomplishment in technical education, research and out-reach.



ABES Engineering College, Ghaziabad
Department of Information Technology
One Week Faculty Development Program
on



Pattern Recognition

9th-13th July, 2018

TEQIP-III, Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

Registration Form

Name: _____

Designation: _____

Department: _____

Organization: _____

Address for Communication: _____

Phone No: _____ Email Id: _____

Accommodation Required*: Yes _____ No _____

Approval of the Director _____

Date: _____

Signature of the Applicant: _____

No Registration Fee

Fill Google form : <https://goo.gl/QUkyHQ>

Note: Travelling and other expenditure of participants should be borne by the Participants themselves.