

Chief Patrons

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

Shri Ashu Goel
Chairman
ABESIT
Ghaziabad

Patrons

Prof. (Dr.) Vipin Garg
Advisor, ABESIT

Prof. (Dr.) Bhavesh Kr. Chauhan
Director, ABESIT

Convener

Prof. (Dr.) Bhavesh Kr. Chauhan
Director, ABESIT

Co-Convener

Dr. Sapna Katiyar
HOD - ECE/EEE

Coordinators

Mr. Rachit Patel
Assistant Professor

Mr. Vipin Sharma
Assistant Professor

Organizing Committee

Prof. S.B. Bajpayee
Mr. Kalyan Pal
Dr. Rahul Pandey

Mr. Sanjeev Sharma
Mr. Suneel Kr. Agrawal
Ms. Sugandh Gupta
Dr. Jaya Madan

Mr. Vaibhav Jain
Ms. Preeti Sharma
Mr. Ashish Swami
Ms. Anchal Tyagi

Ms. Aakansha Garg
Mr. Aviral Malay
Ms. Khushboo Arora



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

Faculty Development Program

on

“Artificial Intelligence & Machine Learning: Interdisciplinary Approach for Applications”

12th - 16th June, 2018



Our Centers of Excellence in the Campus

Automation Technologies
Hydraulic System
Rexroth
Bosch Group

Power Electronics & Drives
a seat of AKTU
with **ENTUPLE**
TECHNOLOGIES

Analog & Embedded Systems
with
TEXAS
INSTRUMENTS

Industrial Automation
Pneumatic Systems
FESTO

Advanced Robotic Control
for Industrial Automation
with
Indo Euro Synchronization
GPS
MECHATRONIK

Remote Sensing and Geographic
Information System
GIS

Entuple Technologies
ANSYS Mechanical
ANSYS

eLSI in Embedded Systems
& Robotics
yantra
of IIT Bombay

Big Data & IoT
with CEO
dalreon

Computer Aided Design
& Engineering Analysis
with
CADPLUS

Center for Structural
Engineering & Analysis
ABESIT
tbi

Supported & Sponsored by

Dr. APJ Abdul Kalam Technical University
Lucknow, Uttar Pradesh



and



Organized by

Department of Electrical & Electronics Engineering

ABESIT

ABES Institute of Technology College Code 290

About the Institute

The ABES Institute of Technology is a reputed Engineering Institute in NCR which embarked on its mission in the field of Technical education from the Academic Session 2007-08. The Institute has lushgreen and sprawling campus situated next to Crossing Republik, NH-24, Ghaziabad. Our philosophy has been to invest all the resources towards student's cause and development. Our teaching staff is qualified, painstaking and competently meeting out students curriculum requirements which is reflected in the Institute result. We also have people with corporate background as a part of faculty which ensure the right blend of theory and practical applicability of the course concept. 'ABESIT-Bureau of Training and Development' has been enhancing the capabilities and competencies of the students so that they become employable and professionally strong. 'ABESIT- Centers for Excellence & Innovations (CEI)' has been setup to take the curriculum few steps ahead through mechanism that introduces a "hands on practice and innovation for development of products amongst students. 'ABESIT- Corporate Resource Center (CRC)'/ Placement Cell is playing a vital role in placement activities. Various co-curricular and extra-curricular activities are regularly conducted which ensures the overall development of the students. ABESIT team 'w brick' secured All India 3rd Rank in Swachhathon 1.0 organized by Ministry of Drinking Water and Sanitation, Govt. of India and supported by A.I.C.T.E. ABESIT ranked 1st in North India "SWACHHTA" Rankings 2017 organized by Govt. of India and supported by A.I.C.T.E.

About Electrical & Electronics Department

The department has well-qualified and dedicated teaching faculty with various specialization and good exposure. The department has maintaining an active interaction with different industry persons so as to bridge the gap between industry and academics. The department organizes seminars, workshops, debates and quizzes to prepare students to develop their professional capabilities. The students are trained in both software and hardware skills and basic inputs are provided to make them self-confident to work in industry and get encouragement for higher studies & research. State of art laboratories of the department provide ample opportunities to the students to complete meaningful projects apart from practice sessions of laboratory courses.

A Center of Excellence of Power Electronics & Drives is running with Entuple technologies Bangalore. This center of excellence is one of the three nodal centers of AKTU for empowering the various engineering colleges to develop expertise on issues related to Power Electronics & Drives.

Objectives of FDP

The world is moving towards the involvement of artificial intelligence and machine learning with almost everything possible. Companies like Google, Uber, Tesla and many more have already started releasing different models of the traditional automobile vehicle equipped with AI. It expected that AI is the key technology which is going to revolutionize every business and industrial sector. This FDP brings you a fully hands-on experience on AI & Machine Learning to give you a taste of technology and generate a quick start interest to work with future technologies.

Topics to be deliberated

- Introduction to Artificial Intelligence.
- Expert systems in Artificial intelligence
- Computational Intelligence & Metaheuristic Algorithms
- Recent trends in Artificial Intelligence
- Introduction to Machine Learning
- Machine Learning: Supervised Learning
- Machine Learning: Unsupervised Learning
- Regression Techniques & Instance Based learning
- Deep Learning Techniques
- Machine Learning tools & Techniques
- Real time application of Machine learning

Who can participate

The program is open to faculty members, M.Tech students, Research Scholars and Professionals working in Industries

Welfares to Participants

- No Registration fee.
- Breakfast, lunch & evening tea will be provided.
- FDP Kit will be provided.

NOTE: Traveling and other expenditures of participant should be borne by the participants themselves.

Registration form in the prescribed format should reach via e-mail on fdp@abesit.in before **31st May, 2018**.

Certificate

Participation Certificates shall be awarded to all the participants on the concluding day.

Resource Persons

- | | |
|--|---|
| 1. Dr. Devender Singh
Professor
IIT-BHU. | 2. Dr. Nischal K. Verma
Associate Professor
IIT Kanpur. |
| 3. Dr. Ela Kumar
Professor
IGDTU, Delhi. | 4. Dr. Dheeraj Joshi
Professor
DTU Delhi. |
| 5. Mr. Anil Kumar
AI & Machine Learning Expert
CETPA, Noida. | 6. Dr. Bhavesh Kumar Chauhan
Professor
ABESIT Ghaziabad |
| 7. Mr. Ankit Agarwal
Data Scientist
Mobileum, Gurugram | 8. Mr. Deepesh Kumar Mishra
AI & Machine Learning Expert
CETPA, Noida |

For more Information please contact

Mr. Rachit Patel
Mob: 8506073647

Mr. Vipin Sharma
Mob : 9412303301