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U.P., Lucknow

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Ghaziabad

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Mr. Aviral Malay
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Ms. Sugandh Gupta
Ms. Khushboo Arora

Mr. Vipin Sharma
Mr. Kalyan Pal

Mr. Pradeep Kumar
Ms. Swati Singh
Mr. Suneel Kumar Agrawal

Venue

ABESIT Ghaziabad

Our Centers of Excellence in Campus

Automation Technologies
Hydraulic System
Rexroth
Bosch Group

Industrial Automation
Pneumatic Systems
FESTO

Analog & Embedded Systems
with
TEXAS INSTRUMENTS

Entuple Technologies
ANSYS Mechanical
ANSYS

Power Electronics & Drives
a seat of AKTU
with
ENTUPLE

Advanced Robotic Control
for Industrial Automation
with
Indo Euro Synchronization
TECHNAYTRONIK

eLSI in Embedded Systems
& Robotics
ayantra
of IIT Bombay

Big Data & IoT
with
dalreon

Computer Aided Design
& Engineering Analysis
with
CADPLUS

Center for Structural
Engineering & Analysis

Remote Sensing and Geographic
Information System

ABES Institute of Technology College Code 290

Approved by AICTE, Ministry of HRD, New Delhi & Affiliated to Dr. APJ Abdul Kalam Technical University (formerly Uttar Pradesh Technical University), Lucknow
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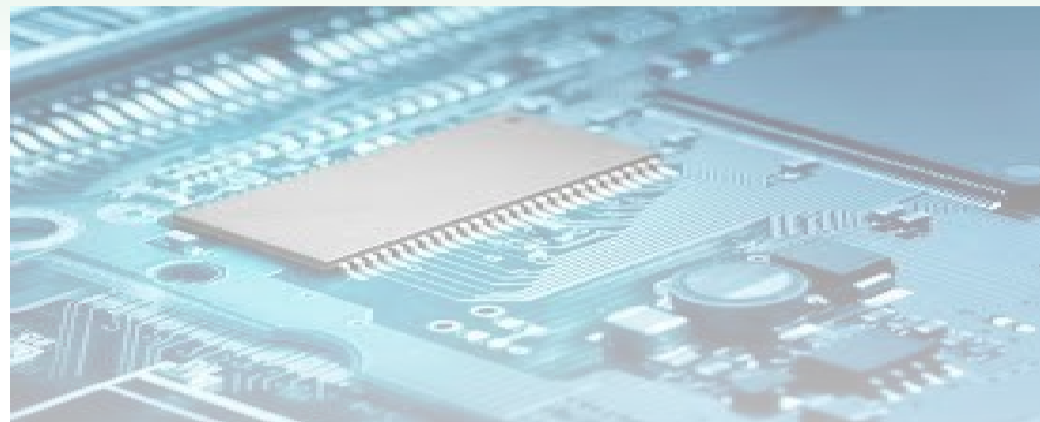


Faculty Development Program

ON

Analog & Embedded Systems

(17th - 22nd July, 2017)



Supported & Sponsored by

Dr. APJ Abdul Kalam Technical University
Uttar Pradesh, Lucknow

and

Organized by

Department of Electronics & Communication Engineering
ABESIT Ghaziabad

About the University

Dr. A.P.J. Abdul Kalam Technical University formerly known as Uttar Pradesh Technical University was established by the Government of Uttar Pradesh on 8th May 2000 by Act No. 1248(2) XVII-V-I-19-2000 Uttar Pradesh. AKTU is currently located in I.E.T. Campus at Sitapur Road in the capital of U.P. at Lucknow but is in the process of having its own Headquarter building in its vicinity. AKTU also has a Noida center and Regional office to facilitate closer academic and industrial interaction around that Zone where a prominent cluster of private affiliated colleges exists. At present around 3,00,000 students are enrolled in its various program of education, research and training in Engineering, Technology, Architecture, Town Planning, Pharmacy, Applied Arts & Crafts. More than 80,000 students are admitted every year.

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 lush green and sprawling campus situated next to Crossing Republik, NH-24, Ghaziabad. Institute philosophy has been to invest all the resources towards student's cause and development. Institute teaching staff is qualified, painstaking and competently meeting out student's curriculum requirement which is reflected in the Institute result. It has human resources with corporate background as a part of faculty which ensures the right blend of theory and practical applicability of the course concept. 'ABESIT-Centers of 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 Centre (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.

Center of Excellence For Analog & Embedded Systemes

ABESIT has signed a MoU with EdGate Technologies Pvt. Ltd., Bangalore (A partner of Texas Instruments (IT) India University Program) on 25.04.2016 for setting up a Center of Excellence for Analog & Embedded Systems at its campus of ABESIT (Code 290), Ghaziabad. Texas Instruments University program is a global program dedicated to supporting educators, researchers and students in facilitating the inclusion of TI analog and embedded processing in engineering classrooms teaching and research labs, textbook, design projects and course curricula.

Objectives of FDP

- To emphasize the system design perspective required by the industry for Analog and Embedded Systems
- To design and simulate Analog Circuits using TINA software and WEBENCH
- To get familiar with the energy efficient micro controller MSP430
- To get acquainted with ARM based TIVA software systems to meet the current demands of the industries
- Hands on training on Wireless Connectivity Modules and Internet of things (IOT)

Topics to be deliberated

The major topics that would be covered in FDP are:

- Day 1: Introduction to Analog Systems**
- Day 2: Advanced Analog Circuits**
- Day 3: Introduction to MSP430**
- Day 4: Working with MSP430 Peripherals**
- Day 5: Serial Communication with MSP430**
- Day 6: Wireless Connectivity Modules and IOT**

Who can Participate

The program is open to faculty members, M.Tech. Students, Research Scholars and Professional working in industries

Registration

Registration : No Fee

- This FDP is sponsored by Dr. APJ Abdul Kalam Technical University Uttar Pradesh, Lucknow. Therefore no registration fee is charged from participants, however participants will be given registration kit, lunch and refreshment on all working days.
- Participants have to arrange for their travel and accommodation.
- Participants are required to send the scanned copy of their registration form at **fdpece@abesit.in** on or before 10th July, 2017.

Certificate

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

Resource Persons

- Dr. Arti Noor
CDAC- Noida
- Prof. Raj Senani,
NSIT -Delhi
- Dr. M. M. Tripathi
DTU-Delhi
- Dr. M. Jagadesh Kumar
IIT-Delhi
- Dr. SRN Reddy
IGDTU, New Delhi
- Prof. (Dr.) M. Veerachary
IIT-Delhi
- Dr. Rejeshwari Pandey
DTU-Delhi
- Dr. Neeta Pandey
DTU-Delhi
- Prof. Dhananjay V. Gadre
NSIT-Delhi
- Mohd. Wajid Shamsi
AMU-Aligarh
- Mr. Abdul Samad
Sapience Consulting
- Ms. Manjit Saini
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