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Ghaziabad

Patrons

Prof. (Dr.) Vipin Garg

Advisor, ABESIT

Prof. (Dr.) M. K. Jha

Director, ABESIT

Convener

Prof.(Dr.) Sapna Katiyar

HOD-ECE
sapna.katiyar@abesit.in

Coordinator

Prof. Rachit Patel

Mob: 8506073647
rachit.patel@abesit.in

Co-coordinator

Prof. Vipin Sharma

Mob : 9412303301
vipin.sharma@abesit.in

Organizing Committee

Prof. S.B. Bajpayee

Prof. (Dr.) H. M. Gaur

Prof. Sanjeev Sharma

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Prof. Aakansha Garg

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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
MECHATRONIK

Remote Sensing and Geographic
Information System



Entuple Technologies
ANSYS Mechanical

ANSYS

VLSI in Embedded Systems
& Robotics

@yantra
of IIT Bombay

Big Data
with CEO
dalreon

Internet of Things (IoT), Entuple Technologies &
C-DAC, Bangaluru

ENTUPLE
TECHNOLOGIES

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
Campus-2, 19th km. Stone, NH-24, Vijay Nagar, Ghaziabad - 201009, (U.P.), India, Phone: 91-8448583370, 8448583371 Fax: +91-120-2845600
website: www.abesit.in, email: info@abesit.in

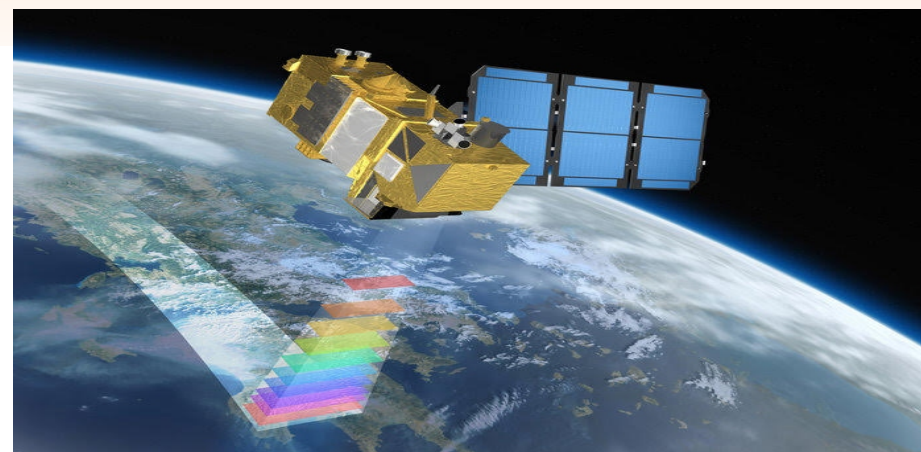
Technical Education Quality Improvement Programme-Phase III (TEQIP-III)

Faculty Development Program

on

Remote Sensing & Image Processing Applications in Rural / Urban Development / Planning

24th - 28th June, 2019



Supported & Sponsored by

Dr. APJ Abdul Kalam Technical University

Lucknow, Uttar Pradesh



and



Organized by

Department of Electronics & Communication Engineering

ABESIT

About the Institute

The ABES Institute of Technology (AKTU College Code 290) embarked on its mission in the field of Technical Education in the year 2007. It is situated on a prominent location at National Highway-24, near Delhi-Ghaziabad Border. The Institute campus is decent, green, clean with world class infrastructure for which it is awarded consecutively 7th Rank in all India, 1st Rank among Technical Institution in North India for Swachh Campus Ranking 2017 and 6th Rank in all India for Swachh Campus Ranking 2018 by AICTE/MHRD, Govt. of India. The teaching faculty of the institute is qualified, competent and painstaking. While teaching University Curriculum, emphasis is also laid on conducting co-curricular and extra-curricular activities regularly to ensure the overall development of the students. Recently, Institute has been selected for establishing Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India. The Institute has 10 Centers of Excellence to hone the skill of students and faculty members in different areas of technologies. Career Resource Center (CRC) of ABESIT plays a pivotal role in conducting placement drives and enhancing the capabilities and competencies of students.

Institute Vision

To be a leading institution in technical education providing education & training enabling human resource to serve nation & world at par with global standards in education.

Institute Mission

- Developing state-of-the art Infrastructure which also includes establishment of Center of Excellence in pursuit of Academic & Technical Excellence.
- Valuing workforce, inculcating belongingness & Professional Integrity.
- To develop human resource to solve local, regional & global problems to make Technology relevant to those who need it most.

Department of ECE: Vision

To impart in depth, knowledge to the students of Electronics & Communication Engineering for achieving academic excellence, professional attitude and ethical values, inculcating research culture to meet the challenges of global industrial demands.

Department of ECE: Mission

- M1** Impart quality and value based education, with practical orientation to transform students into the skilled, trained and competent individuals.
- M2** Infusing research culture among students and faculty so that the Department be recognized as Center of Excellence in various domains.
- M3** Inculcating team work, leadership qualities, professional ethics and social responsibilities.
- M4** Prepare graduates for working in multicultural and multidisciplinary environment.

Objective of FDP

The objective of this FDP is to understand Remote Sensing as well as Image Processing fundamentals. These two areas have a wide range of applications including Rural Development and Urban Planning in effective and time efficient ways. Rural Development and Urban Planning areas demand several types of data acquisition and it's processing for desired results. Remote Sensing and Image Processing technologies are used to help finding these results which otherwise with other methods are not possible or efficient enough.

Topics to be deliberated

- **Fundamentals of Image Processing**
- **Image Super Resolution**
- **Dehazing**
- **Morphological Image Processing, Image Compression**
- **Image Processing Applications**
- **Fundamentals of Remote Sensing**
- **Satellite Sensor**
- **3D Geographic Information System**
- **Remote Sensing Applications in Rural/Urban Development**

Who can participate

The program is open for faculty members, M.Tech students, Research Scholars and Industry Professionals.

Welfare to participants

Registration fee : Nil
Lunch and Snacks will be provided
FDP kit will be provided

For Registration:

Participants are required to send the scanned copy of their registration form at fdpece@abesit.in on or before 15th June, 2019.

Certificate

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

Resource Persons

- | | |
|---|---|
| 1. Mr. R. K. Swami
Scientist G (Retd.)
Central Road Research Institute
New Delhi | 5. Mr. Amit Bansal
Founder & CEO
AB GIS Technology
Ghaziabad |
| 2. Dr. Sandhya Tarar
Gautam Buddha University
Greater Noida | 6. Mr. Sandeep Kumar Singh
Solution Architect
RMSI Pvt. Ltd., Noida |
| 3. Dr. Tapan Jain
IIIT, Nagapur | 7. Dr. Rishav Singh
Bennett University, Greater Noida |
| 4. Dr. Suma Dawn
Jaypee Institute of Information Technology
Noida | 8. Ms. Avneet Kaur
CETPA Pvt. Ltd.
Noida |

For more Information please contact

Prof. Rachit Patel
Mob: 8506073647
rachit.patel@abesit.in

Prof. Vipin Sharma
Mob : 9412303301
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