Registration Form

Name: _____

Designation: _____

Institution: _____

Gender: _____

Qualification: _____

Address for Communication: _____

_____

_____

Mobile No.: _____

Experience-Teaching: (Yrs)____ **Others:(Yrs)**___

Declaration of the Candidate

I declare that the details furnished are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of the AKTU sponsored programme.

Place **Signature of Applicant**

Sponsorship Certificate

Mr./Ms./Dr._____ ____ is a faculty of our institute / organization and is hereby sponsored by us. He/She will be permitted to attend the course, if selected.

Place: **Sponsoring Authority**
Date: **(Seal with Signature)**

Registration Query

For any query, feel free to contact:
Dr. Chirag Arora (9411791466)
Mr. Parmanand Sharma (9716821546)
Dr. Rajesh Yadav (9971066729)

Kindly mail the softcopy of the duly filled registration form to ecefdp2024@gmail.com and fill the google form using following link:
https://forms.gle/23qyMyUGagK3yc458

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Shri Sarish Agarwal
Honorable Chairman

Patron
Dr. Anil Ahlawat
Director-in-Charge

Co-Patrons
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Joint Director

Dr. Shailesh Tiwari
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Dean (R&D), HoD (ECE)

Co-Convenor
Dr. Ruchita Gautam
Additional HoD (ECE)

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Asso. Prof. (ECE)
Mr. Parmanand Sharma
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www.kiet.edu
Delhi-NCR, Ghaziabad

KIET GROUP OF INSTITUTIONS

Connecting Life with Learning

NIRF-2023
Engineering Rank Band (151-200)
Pharmacy Rank - 88
Innovation Rank Band (51-100)

Accredited by
NAAC with Grade "A+"

Online Faculty Development Programme (FDP)

on

"Design & Development of Biomedical Antennas"

22nd to 26th July, 2024

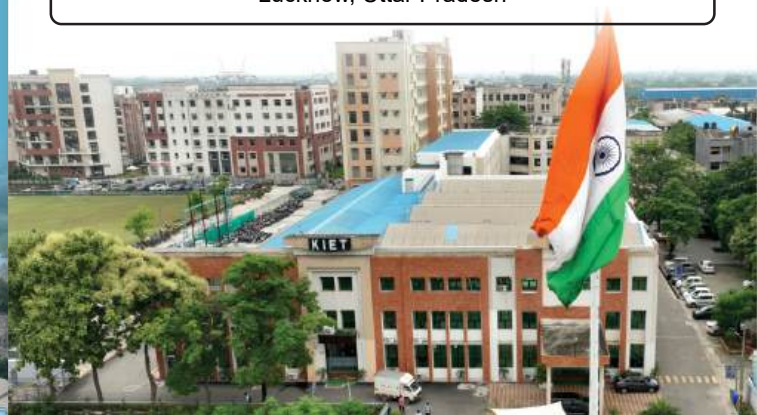
SPONSORED BY

Dr. A. P. J. Abdul Kalam Technical University, Lucknow

Organized by

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

KIET Group of Institutions, Delhi-NCR, Ghaziabad
Affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh



About The Institute

KIET Group of Institutions (KIET), was established in 1998 at Ghaziabad (Delhi-NCR) with an annual intake of 180 students. It is an AICTE approved Institution affiliated to Dr. A.P.J Abdul Kalam Technical University (AKTU), Lucknow (formerly UPTU). KIET offers UG & PG courses in four disciplines i.e. Engineering, MBA, MCA & Pharmacy. With the glorious legacy of 25 years, the Institute now has 7500+ students and is empowered with 370+ highly qualified full-time faculty to nurture our students, with 100% Placement & Internship assistance. Institute's credentials & achievements can be viewed at our website www.kiet.edu.

The Institute has NAAC accreditation status with 'A+' Grade & all its eligible programs are NBA accredited. The institute bears the laureates of 88th rank in Pharmacy, 151-200 Rank Band in Engineering category, and 51-100 Rank Band in Innovation category, as per National Institutional Ranking Framework (NIRF) - India Ranking 2023 released by the Ministry of Education, Government of India. The Institute has to its credit QS-I GAUGE 'Diamond' rating and Scientific and Industrial Research Organization (SIRO) recognition by Department of Scientific and Industrial Research (DSIR) etc. The Institute also has Technology Business Incubator (TBI) set up in association with NSTEDB, DST, Govt. of India to promote Innovation & Entrepreneurship in the Institute and the adjoining areas. S

About The Department

The Department of Electronics and Communication Engineering was established in 1998 and is NBA accredited since 2007. The department presently offers an undergraduate program in Electronics & Communication Engineering with an intake of 180 students. The department also offers a Minor specialization course in IoT and Robotics to the B.Tech. students of various branches to explore interdisciplinary knowledge. The department is running with 35 qualified permanent faculty members (Professor: 05, Associate Professor: 05, Assistant Professor: 25) out of which 20 are Ph.D holders, 13 are pursuing their Ph.D and remaining two are in the process of registering. The department is facilitated by well-equipped laboratories such as Basic Electronics Engineering lab, Digital System Design lab, Microprocessor and Microcontroller lab, Communication lab etc. In addition to this, the department has advanced labs funded by AICTE under MODROB Scheme like Advanced Integrated Circuit Lab, Advanced Communication Lab, Advanced PCB Lab useful to UG and Ph.D. students.

The department has also set up some Industry sponsored labs like KIET-NI LabVIEW Academy with National Instruments (USA), KIET MBS Bio-Medical Instrumentation Research Lab with MBS Pvt. Ltd. (India), Centre for Space Technologies with ISRO (India), Power Semiconductor Devices Lab supported by Mitsubishi Electric India Pvt. Ltd., Innovation Lab with Texas Instruments (USA) for academic and industrial research work. We also have a Centre of Excellence on Robotics and Mechatronics where an E-Yantra Lab has been established which is sponsored by IIT, Bombay.

Test & Certificate

A test will be conducted at the end of the programme and certificates will be issued to only those participants who will attend the programme with minimum 80% attendance and score minimum 60% marks in the test.

Eligibility for Participants

The faculty members must be from the affiliated institute of AKTU, Lucknow. There is no registration fees for attending this online FDP.

Resource Persons

The resource persons for this programme are accomplished experts from industry and premier institutions:

Dr. S.S. Patnaik, NITTTR, Chandigarh.

Dr. Rajveer Singh Raghuvanshi, NSUT, Delhi

Dr. Antony Judice, UTAS, Oman

Dr. Dharmendra Kumar Jhariya, NIT, Delhi

Dr. Shailza Gotra, LNMIIT, Jaipur

Dr. Santosh Kumar Mahto, IIIT Ranchi

Dr. Indrasen Singh, VIT, Vellore

Dr. Shivangi Giri, NIT, Raipur

Mr. Ajay Shekhar, Ansys [HF]

Mr. Yogesh Solunke, VIAS3D, CST Microwave Studio

Scope & Objectives of FDP

This FDP will introduce the state- of-the-art on design and development of wearable antennas. These devices are useful in several applications such as, wireless body area networks (WBAN), Internet-of-Things (IoT), sports, entertainment and biomedical healthcare. This course will include both theory and hands-on exercise over the online mode. Investigation on antenna performance under different wearable conditions such as stretching, flexibility, crumpling, humidity and mitigating the human body effects will be discussed with the participants. Use of commercially available electromagnetic simulators in antenna designing will be taught to the participants.

Programme Outcomes

After completion of this FDP, the participants will be able to understand the:

- Concepts of wearable antennas.
- Applications of wearable antennas in biomedical applications.
- Antenna performance under different wearable conditions.
- Designing Flexible Antennas, Complications and Solutions: Hands-on.
- Research Challenges in Textile Antenna.

Area Under Focus

- Role of Wearable Antennas: Diagnostics and Health Care
- Health Hazards of Radiation and its Solution for Wearable Applications
- Flexible Material Selection for Wearable Devices
- Various antenna miniaturization techniques.