Permission Certificate

Certify that Mr./Mrs._____

_____

is working as_____

in_____

at _____

is permitted to attend the KTU Sponsored 5 days FDP on "Advances in Communication Engineering" at Viswajyothi College of Engineering and Technology, Vazhakulam from 06-03-2023 to 10-03-2023.

Date

Signature of Head of Institution with Seal

Send a Scanned copy of duly signed permission certificate to niji@vjcet.org on or before 03-03-2023

Important Dates

Last date of Registration **28-02-2023**

Notification of Selection **02-03-2023**

Advisory Board

- **Msgr. Dr. Pius Malekandathil**, Manager, VJCET
- **Rev. Fr. Paul Nedumpurath**, Director, VJCET
- **Dr. K. K. Rajan**, Principal, VJCET
- **Mr. Somy P. Mathew**, Vice Principal, VJCET
- **Rev. Fr. Mathew Puthenkulam**, Coordinator, Skill Development & Competency Enhancement, VJCET
- **Dr. C. K. Aanandan**, Prof. Emeritus and former Dean, Faculty of Technology, CUSAT
- **Dr. Raveendranath U. Nair**, Head, Centre for Electromagnetics, CSIR- National Aerospace Laboratories, Bangalore
- **Dr.Thomas George**, Head, ECE Dept.,MACE, Kothamangalam
- **Dr. Ciby Thuruthiyil**, Process Engineer, Apple Inc. USA

Organizing Committee

President   : **Dr. K. K. Rajan**,Principal ,VJCET

Convenor   : **Dr. Naveen Jacob,** HoD, ECE, VJCET

Course Coordinators

➢ **Dr. Cyriac M. Odackal**, Associate Professor, ECE
  cyriac@vjcet.org **# 9447506638**

➢ **Dr. Tony D**, Associate Professor, ECE
  tony@vjcet.org   **# 9497680830**

Eligibility Criteria

Faculty Members from Colleges affiliated to APJ Abdul Kalam Technological University are eligible to attend the program

Registration Fee : No registration fee

Registration : Online at *https://forms.gle/hsbCVgU7B0879C7*

FACULTY DEVELOPMENT PROGRAMME
ON

ADVANCES IN COMMUNICATION ENGINEERING

SPONSORED BY
APJ Abdul Kalam Technological University
Trivandrum, Kerala

06-03-2023 to 10-03-2023

Organized by
Department of Electronics & Communication Engineering
VJCET

VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

Vazhakulam P.O., Muvattupuzha
Ernakulam Dist., Kerala - 686 670
Tel: 0485 2262211 / 44
Email:vjcet@vjcet.org
www.vjcet.org

About the College

VJCET was established in the year 2001 by the Technical Educational Trust of the Catholic Diocese of Kothamangalam with the approval of AICTE and is affiliated to APJ Abdul Kalam Technological University. The college offers 8 B.Tech(AD, CE, CSE, CG, EC, EEE, IT & ME), 3 M.Tech, MBA & BHMCT programs. The college has excellent infrastructure facilities with fully equipped laboratories, hostels, transportation facilities etc. The academic performance of VJCET has been consistently outstanding and produced a number of rank holders. The placement records of VJCET students have been excellent. Within 22 years after its inception, the college has grown as a front runner among the new generation Engineering Colleges of Kerala and is the preferred destination for technical education. The College is accredited with A Grade by NAAC and the B.Tech programmes are accredited by NBA

Institute Vision

Moulding professionals par excellence with integrity, fairness and human values

Institute Mission

- We commit to develop the institution into a Center of Excellence of International Standards.

- We guide and mould our students in the attainment of intellectual and professional competence for successfully coping with the rapid and challenging advancements in technologies and the ever changing world of business, industry and services.

- We help and support our students in their personal growth shaping them into mature and responsible individuals.

- We strive to cultivate a sense of social and civic responsibility in our students, empowering them to serve the humanity.

- We promise to ensure a free environment where quest for the truth is encouraged.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Electronics and Communication Engineering is a core branch of engineering which plays dominant role, in networking the modern world. The Department of Electronics & Communication Engineering was started in the year 2001. The Department offers 4 years B. Tech program in Electronics and Communication Engineering and 2 years M. Tech program in VLSI and Embedded Systems. The student intake for B. Tech program is 60 and M. Tech program is 18.The B. Tech program is accredited by NBA till the academic year June 2025.

Department Vision

Moulding Electronics Engineers with Professional Competence and Global Outlook

Department Mission

- To create a vibrant academic ambience conducive for progressive learning

- Build up excellent infrastructure and lab facilities to train the students in the current and emerging technology

- Maintain well qualified faculty who are willing to upgrade their knowledge continuously

- Groom students towards successful careers by facilitating industry-institute relationships and value addition through regular skill-development programmes

About the program

Objective: The primary objective of the program is updating of knowledge in recent advances in communication. The FDP intends to give renewed impetus to research activities of participants in the area of communication engineering.

Resource Persons

- **Mr.Shalu Thomas**, Managing Director & CEO, Digital Core Technologies Private Limited

- **Mr.Kamalasanan P K**, Assistant General Manager, BSNL(Rtd.)

- **Dr.Thomaskutty Mathew**, Associate Professor, GITAM University, Bangalore

- **Prof. (Dr.) Jibukumar M G**, Professor, School of Engineering, CUSAT

- **Prof. (Dr.) Abdulla P**, Professor, School of Engineering, CUSAT

- **Mr.Kurian Thomas**, Director, Xtend Technologies Private Limited

- **Dr.Deepti Das Krishna**, Assistant Professor, DOE, CUSAT

- **Mr.Balakrishna I**, Scientist, SAMEER-CEM, Chennai, Ministry of Electronics and IT, Government of India

Topics to be covered

- ➢ Terahertz Communication
- ➢ Cooperative Communication Techniques
- ➢ 6G & Role of AI in Communication
- ➢ Implementation of 4G and 5G networks
- ➢ Recent advances in RFID Technology
- ➢ Advances in Communication ICs
- ➢ Electromagnetic Compatibility and Electromagnetic Interference
- ➢ Program includes visit to Advanced Centre for Atmospheric Radar Research, CUSAT