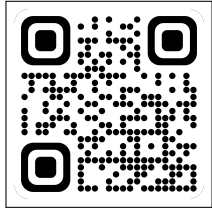


ELIGIBILITY

The FDP is open to the faculty members of all the KTU affiliated institutions.

REGISTRATION

No registration fee is charged for the programme, since the FDP is fully sponsored by APJ Abdul Kalam Technological University. For online registration please scan:

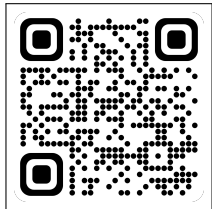


<https://tiny.cc/fdpeeraics>

IMPORTANT DATES

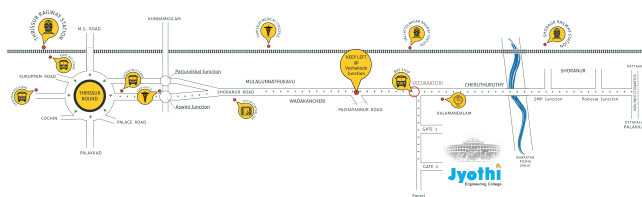
Online registration ends	20 th January, 2023
Intimation to selected participants	25 th January, 2023
FDP dates	30 th Jan - 3 rd Feb, 2023

HOW TO REACH JEC



<https://goo.gl/maps/MvsXScEswzmNvXp96>

ROUTE MAP



"Creating Technology Leaders of Tomorrow"

CERTIFICATE

Certificates shall be issued to all the participants who have attended the program with minimum 80% attendance and submitted the feedback forms at the end of each sessions.

ORGANIZING COMMITTEE

CHIEF PATRON

His Grace Mar Andrews Thazath,
Chairman & Archbishop of Archdiocese of Thrissur

PATRONS

Msgr. Jose Konikkara, Manager, JECC
Rev. Fr. Thomas Kakkassery, Executive Manager, JECC
Rev. Dr. Jose Kannampuzha, Director of Academics, JECC
Dr. Jose P. Therattil, Principal, JECC

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Mr. Jenson Jose, Head of the Department - EEE, JECC
Dr. Vivek Lukose, KTU FDP, Center Coordinator

COORDINATOR

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Jyothi Engineering College
NAAC Reaccredited College with NRI Reaccredited Programmes*
Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University
A CENTRE OF EXCELLENCE IN SCIENCE AND TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR
JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR, 679531 | Ph. +91 4884 259000 | info@jecc.ac.in | www.jecc.ac.in
*NBA reaccredited B.Tech Programmes in Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering valid till 2025



FACULTY DEVELOPMENT PROGRAMME

on

RECENT ADVANCEMENTS IN INTELLIGENT CONTROL SYSTEMS (RAICS)

30th January - 3rd February
2023

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Sponsored by



APJ Abdul Kalam Technological University

ABOUT THE COLLEGE

Jyothi Engineering College, Cheruthuruthy (JECC) is a new generation engineering college started in 2002 and managed by the Catholic Archdiocese of Thrissur. It is emerging as a centre of excellence in technical education. The college is approved by AICTE and is affiliated to APJ Abdul Kalam Technological University. It a NAAC reaccredited (“A” Grade) Institution with NBA accredited programmes.

COURSES OFFERED

UG Courses

- Artificial Intelligence and Data Science
- Civil Engineering#
- Computer Science and Engineering#
- Electrical and Electronics Engineering#
- Electronics and Communication Engineering#
- Mechanical Engineering#
- Mechatronics
- Robotics and Automation

#NBA Accredited Programmes

PG Courses

- Computer Science and Engineering
- Communication Engineering and Signal Processing
- Power Electronics
- Transportation Engineering
- Industrial Automation and Robotics

PhD

- Engineering and Technology

ABOUT THE UNIVERSITY

APJ Abdul Kalam Technological University (initially Kerala Technological University), a State Government University came into existence on May 21, 2014 with an aim to give leadership to the technology related policy formulation and engineering planning for the state. It also emphasizes to improve the academic standards of the Graduate, Post Graduate and Research Programmes in Engineering Science, Technology and Management and regulate the academic standards of all colleges affiliated to the University. The main thrust areas of the University are Research, Development and Innovation.

COLLEGE VISION

Creating eminent and ethical leaders through quality professional education with emphasis on holistic excellence.

COLLEGE MISSION

- To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programmes with state-of- the-art facilities.
- To equip the students with appropriate skills for a meaningful career in the global scenario.
- To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.
- To participate in the development of society through technology incubation, entrepreneurship and industry interaction.

ABOUT THE DEPARTMENT

The department of Electrical and Electronics Engineering started its journey in the year 2002 and is committed to a tradition of excellence in teaching, research and consultancy service. The department has a well qualified and dedicated team of teaching and non teaching staff members. The department always strives for imparting quality technical education for the Under Graduate & Post Graduate Program (MTech in Power Electronics) so as to enable the students competent enough to meet the challenges of globalization with the state-of-the art equipments and laboratories and good interaction with industries. The department is accredited by **NBA** since 2016.

DEPARTMENT VISION

To become a centre of excellence in Electrical and Electronics Engineering through high quality technical education with emphasis on holistic excellence.

DEPARTMENT MISSION

To inculcate ethical professionalism through value based quality education as to equip the students with appropriate skills for a meaningful career and holistic excellence and promote creative engineering ideas for the benefit of the society.

OBJECTIVES OF FDP

- To provide a platform for understanding recent advancements in the field of intelligent control system design.

OUTCOMES OF FDP

Participants will be able to:

- Know various techniques in designing nonlinear control systems
- Get an overview of various applications of artificial intelligence in control systems
- Get familiarised with PLC based design and ladder programming
- Understand design and control aspects of unmanned vehicles and robots

RESOURCE PERSONS

- **Dr. Jeevamma Jacob**, Professor, NIT Calicut.
- **Dr. Shihabudheen K. V.**, Asst. Prof., NIT Calicut
- **Dr. Rakesh Warriar**, Asst. Prof., NIT Calicut
- **Dr. Imthias Ahamed T. P.**, Professor, TKMCE
- **Dr. Ramesh Kumar P.**, Associate Professor, GEC Wayanad
- **Dr. Shijoh V.**, Professor & Dean(PG Studies), JECC.
- **Dr. C. Karthik**, Associate Professor & HoD - R&A, JECC.
- **Dr. Sreekanth M.**, Kabani Tech - Maker Space, Shoranur.
- Experts from **SMEC Automation Pvt. Ltd.**, Cochin

MAJOR PROGRAMME CONTENTS

- Nonlinear Digital Control Systems
- Artificial Intelligence in Engineering Systems
- State Estimation and Control - Intelligent Techniques
- Control of Parallel Robots
- Unmanned Aerial Vehicles
- Learning Controllers
- PLC based Automation
- Ladder Programming
- Introduction to Intelligent Robotics and Control
- Recent Research Trends in Instrumentation and Control



Faculty Development Programme On Recent Advancements in Intelligent Control Systems (RAICS)

30th January -3rd February 2023

Organized by

Department of Electrical & Electronics Engineering
Sponsored by APJ Abdul Kalam Technological University

REGISTRATION FORM

Name	:				
Designation & Department	:				
Name & Address of the Institution	:				
Email ID	:				
Mobile Number	:				
Highest Educational Qualification	:				
Total Experience in years	:		KTU ID	:	
Accommodation Required	:	Yes / No	Food Preference	:	Veg / Non-Veg

The Information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case I'm unable to attend this course.

Place:

Date:

Name & Signature of the Applicant

SPONSORSHIP CERTIFICATE

Certified that Dr./Mr./Ms. _____ is a faculty member of _____ and he/she is permitted to attend the KTU sponsored FDP on Recent Advancements in Intelligent Control Systems(RAICS).

Place :

Date :

College Seal

Name & Signature
(Head of the Institution)