

PATRON

Bishop. Mar. Dr. Joseph Pamplani, Archbishop Thalassery

CO-PATRON

Rev. Fr. Antony Muthukel, Chairman, VJEC

Rev. Fr. James Chellamkottu, Manager, VJEC

Dr. Benny Joseph, Principal, VJEC

PROGRAM COORDINATORS

Dr. G. Glan Devadhas, Vice Principal & Professor, VJEC

Prof. Shinu M M, Assistant Professor, EIE, VJEC

ORGANISING TEAM

Prof. Dhanoj Mohan, Assistant Professor, EIE, VJEC

Prof. Reshma, Assistant Professor, EIE, VJEC

Prof. Shamyia, Assistant Professor, EIE, VJEC

Prof. Jinsa Mathew, Assistant Professor, EIE, VJEC

ABOUT THE PROGRAM

Industry 4.0 demands a skill set to device Artificial intelligence (AI) based solutions. The program is aimed to equip the attendees with a basic understanding of AI trends and AI-based frameworks which have established state-of-the-art performance in various fields of system design.

The fields for the current program are limited to control systems, signal processing and Machine Vision Intelligence. The resource persons of the program are indulged in a wide spectrum of research ranging from academia to industry.

This practice will expose the audience with practices of academia and industry including the enriched insights of the algorithms. This programme endeavours to provide conceptual clarity to popular techniques in optimization, machine learning, deep learning, etc..

MAJOR TOPICS

- Artificial Intelligence foundation
- Bio Inspired Optimization algorithms
- Data-driven tools to system modeling & Identification
- Multi-objective optimization algorithms.
- AI/ML aspects of control system design
- Deep learning architectures for Machine Vision
- Model Predictive techniques

TARGET GROUPS

Faculty members and Research Scholars belonging to KTU affiliated Institutions can participate in the programme. Maximum number of participants are limited to 30. Selection is based on First Come First Serve.

RESOURCE PERSONS

The resource persons of the program are indulged in a wide spectrum of research ranging from academia to industry. Sessions will be handled by Faculty experts from IITs, NITs, IISER, CDAC, and experts from R&D/Industry.

IMPORTANT DATES

Last date for receipt of applications	: 17-05-2023
Intimation of selection	: 19-05-2023

FIVE DAYS FACULTY DEVELOPMENT PROGRAMME

on

ARTIFICIAL INTELLIGENT TECHNIQUES FOR SYSTEM DESIGN AND CONTROL

From 22nd to 26th May, 2023

Sponsored by



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY



ORGANIZED BY

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING



VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI, KANNUR-670632

A BRIEF HISTORY ABOUT THE COLLEGE

Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of Thalassery established in the year 2002 and is managed by Meshar Diocesan Educational Trust. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU). VJEC is a self-financing Catholic minority institution aiming at generating a fervor for Engineering and Technology in students. With profound insight into the resource requirements of the higher education system, VJEC has proudly set up a world class infrastructure complemented with intellectual capital in the form of competent faculty. Many of the facilities are way beyond the regulatory requirements aiming for learning beyond the syllabus to address the requirements of the industry. These material facilities along with value addition programs and student support systems are the integral facets of empowerment at VJEC. Digital library, industry-supported project labs, language lab, and student chapters of professional bodies such as IEEE, ISOI, IETE, SAE, ISA, CSI offer an extensive range of resources, opportunities and services to the outcome-based teaching learning process. Vimal Jyothi Engineering College is a NAAC and IEI accredited institution and six branches are accredited with NBA.

ABOUT THE DEPARTMENT

The Department of Electronics and Instrumentation Engineering was established in the year 2005 under Kannur University with a B.Tech. program in Applied Electronics and Instrumentation Engineering. The department is accredited with NBA. The department conducts various programs to enhance the inherent potential of the students and faculty members. The department is equipped with Process Control Lab, IIN Lab, smart calibration facility, Yaskawa Robot, AR/VR studio etc. The licensed version of MATLAB and LabVIEW software are extensively used by our students for their projects.

VISION

The department strives to enrich professionals of high competency in the arena of Instrumentation Engineering & mould them to adopt the crux of the matter in the field of automation.

MISSION

To prepare the students to envisage beyond the hypothetical thinking & belong to a new era of acquisition & application of Instrumentation Technology to meet the requisition of the changing world.

LOCATION

The Institution is located in a serene and eco-friendly environment at Western Ghats in Kerala, India. This is about 35 kms from the Kannur International Airport. The place also offers a blend of cultural diversity in harmony. Nearest railway station is Kannur Junction.

ABOUT KTU

APJ Abdul Kalam Technological University (initially Kerala Technological University), a State Government University has come 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. As a part of its activity this FDP program sponsored by KTU is to be conducted at Vimal Jyothi Engineering College from 22nd to 26th May 2023 through face to face Mode.

ACCOMMODATION

Accommodation in-campus will be provided to outstation participants on a first come, first serve basis. However, the participants have to bear the expenses.

ADDRESS FOR COMMUNICATION

Dr. G. Glan Devadhas,

Convener, Five days Faculty Development Programme on Artificial Intelligent Techniques for system design and control”

Department of Electronics and Instrumentation Engg.

Vimal Jyothi Engineering College,

Chemperi, Kannur Dist., Kerala

Pin code - 670632

Cell No: **9207240592, 9496986217**

Website: **www.vjec.ac.in**

ei_events@vjec.ac.in

REGISTRATION

There is no registration fee. Applicants can fill the registration form through the below link.

<https://forms.gle/ZrWd2JVJM452ac2v9>

For Registration

