

About GCE Kannur

Government College of Engineering Kannur (GCEK) is one among the prestigious technological institutions under the Department of Technical Education (DTE), Govt. of Kerala. It is located at Mangattuparamba and affiliated to APJ Abdul Kalam Technological University (KTU). The college offers UG programs in five disciplines - Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science and Engineering. Four of the above programs have been accredited by NBA. The college offers PG programs in four specializations - one each from Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, and Electronics & Communication Engineering.

About the Department OF ECE

The Department of Electronics and Communication Engineering started functioning along with the inception of the institution in the year 1986, with an annual intake of 40 for the UG program and affiliated to the University of Calicut. Within a few years, by the shifting of the campus to Mangattuparamba, the Department got established within the institution. The UG program got affiliated to Kannur University in 1996 and its intake was increased to 90 in 2000, after which the Department runs two divisions of UG batches. A PG program with the specialization 'Signal Processing & Embedded Systems' was started in the year 2012, with an annual intake of 18. In the year 2015, both UG and PG programs have been affiliated to APJ Abdul Kalam Technological University (KTU). The UG program has been accredited by NBA in June 2017.

The Department is always committed to produce quality Engineers with profound technical knowledge in Electronics and its related areas. The graduates acquire good practical knowledge through the well equipped laboratories, and high leadership qualities, communication skills and decision making capabilities through various co-curricular and extra curricular training programmes. Many of the faculty members of the Department are having good academic career as well as professional experience who are extremely dedicated to their duties. The faculty and technical staff members are so enthusiastic that they show keen interest in the process of teaching and learning process, as well as in advising and guiding their students. Consequently, the success rate is substantially high so that the students come up with flying colours.

Faculty Development Program

On

Image Processing & Computer Vision

10 to 15 December 2018

Sponsored by



DTE KERALA

Directorate of Technical Education Kerala

Organised by

Department of Electronics and Communication Engineering

&

Faculty and Staff Development Training Centre (FSDTC)

Government College of Engineering Kannur



In collaboration with

CoreEL Technologies (I) Pvt. Ltd. Bengaluru



Coordinator

Dr. A. Ranjith Ram

Associate Professor, ECE

Course Content

This FDP is envisaged to provide a platform to train the faculty and technical staff members from various disciplines of Engineering across Kerala, in the subject area. The participants will get an opportunity to build a good foundation in various image processing and computer vision techniques using Matlab. The course will cover the following topics, with all the sessions being hands-on :

- ✦ Image Acquisition and Writing
- ✦ DICOM and HDR
- ✦ Image Display
- ✦ Geometric Transformations
- ✦ 2D Filters
- ✦ 2D Transformations
- ✦ Morphological Operations
- ✦ Image Enhancement
- ✦ Image Deblurring
- ✦ Edge and Line Detection
- ✦ Colour and Texture Segmentation
- ✦ Feature Extraction
- ✦ Importing, Visualising and Annotating Videos
- ✦ Detecting, Extracting and Matching Image Features
- ✦ Object Detection
- ✦ Motion Estimation

Resource Persons

Dr. A. Ranjith Ram,

Associate Professor, Dept. of ECE, GCE Kannur

Mr. Pramod Kumar Naik,

Senior Application Engineer - MathWorks Products,
CoreEL Technologies, Bengaluru

Manisankar

Application Engineer - MathWorks Products,
CoreEL Technologies, Bengaluru

Important Dates

- ✦ Course Duration : 10 - 15 December 2018
- ✦ Deadline for Online Registration : 07 December 2018
- ✦ Intimation about selection : 07 December 2018

Eligibility

Engineers from industry, Faculty members/Technical staff members of Govt./Govt. aided/Self financing Engineering and Polytechnic Colleges, who belong to the Dept. of Civil Engg., Mechanical Engg., Electrical and Electronics Engg., Electronics and Communication Engg., Electronics and Instrumentation Engg., and Computer Science and Engg., in Kerala state.

TA/DA and Accommodation

Working lunch, tea and snacks will be provided for all participants during the days of the FDP. TA will be provided as per Govt. norms to faculty and staff members from Govt./Govt. aided institutions. Accommodation may be arranged on request.

Applying Procedure

In order to apply for the FDP, a DTE candidate has to follow a two step procedure as given below

1. Create an account in the Training Management System (TMS) portal through the DTE site :

<http://admissions.dtekerala.gov.in/tpms/login>

2. Apply online through this portal for this particular FDP from the list of all courses organised under DTE.

An employee, not appointed by the DTE will not be able to register in the TMS portal, towards applying for the FDP. Instead, he/she has to go to the site **admissions.dtekerala.gov.in/tpms** and click on the **Read More** button seen towards the bottom of the **Apply For a Course** column. Then from the listed FDPs, he/she has to apply through the **yellow Others** button. An online application will follow, which is to be filled and ticked for the non-DTE status and to be submitted.

(If someone experience any difficulties related with the on-line registration, the matter may be intimated at the earliest to **fdpece@gcek.ac.in**)