

**KTU Sponsored
Online Faculty Development Program on
STATISTICAL TOOLS AND TECHNIQUES FOR
SCIENTIFIC RESEARCH**

26-28 July, 2021

Topics covered

- Introduction and comparison of various tools and techniques for research
- Concepts of experimentation
- Factorials and Taguchi methods
- Descriptive statistics and Data visualization using R
- Statistical Hypothesis Testing
- Statistical Methods for Predictive Analysis

Platform

Online platform via **Zoom**. Meeting links will be shared to participants registered gmail ID.

Who can participate?

The FDP is interdisciplinary and is open to faculty of institute affiliated to KTU. **No registration fees.**

How to register?

Scan the QR code or click the link

<https://forms.gle/zvYmcJzhFGDVXFX79>

for online registration and upload the scanned copy of the signed endorsement form given below. **The last date of registration is 22/07/2021.** Selection will be on first-come-first-serve basis and will be intimated through e-mail latest by 23rd July 2021.



**Endorsement of the Head of the Institution/Department
(To be uploaded with online registration form)**

Certified that Mr./Ms./Dr. is a faculty of(institute name) with KTU faculty ID:..... and he/she is hereby permitted to attend KTU sponsored online FDP on **STATISTICAL TOOLS AND TECHNIQUES FOR SCIENTIFIC RESEARCH** organized by Amal Jyothi College of Engineering, Kanjirappally during **26-28 July 2021.**

Place: _____ Name & Signature of Head of the Institution/Department
Date: _____ (Seal of the institution)

(NOTE: By signing the above, the Head of the Institution/Department certifies that the applicant is a faculty member of an institute affiliated to KTU.)



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on
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Organised by



**Department of Mechanical Engineering
Amal Jyothi College of Engineering
Koovappally P.O., Kanjirappally, Kottayam, Kerala - 686518
www.ajce.in**

About the college

Amal Jyothi College of Engineering, Kanjirapally, is yet another hall mark of the commitment and experience of the Catholic Diocese of Kanjirapally in the field of Education. Established in the year 2001 as a self-financing Engineering College affiliated to APJ Abdul Kalam Technological University, Amal Jyothi College of Engineering has grown manifolds and has earned the reputation as a trend setter in Engineering Education. Amal Jyothi College of Engineering is the first new generation engineering college in Kerala to secure the prestigious NBA accreditation for prime departments and the first engineering college having NAAC accreditation with 'A' grade. The main features of the college comprise world-class infrastructure, top-flight faculty, high pass percentage, excellent placement record and unique student projects. Amal Jyothi is a mega complex of nearly 16.5 lakh sq.ft. built-up area overlooking the busy Kanjirapally-Erumeli stretch of the Kottayam-Sabarimala state highway. The two campus hostels, taken care of by dedicated Catholic priests and nuns, have a capacity of 2500 inmates. The campus has 610 Mbps internet connectivity with WiFi. The college now offers ten B.Tech Degree Programmes in ECE, CSE, IT, ME, EEE, CE, ME (AU), CH, FT and MME, M.Tech Programmes in highly specialised areas under the departments of ECE, CSE, EEE, CE & ME and MCA programme.

Patron

H.E. Mar Jose Pulickal, Bishop, Diocese of Kanjirapally

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Prof. Tomy Joseph

Deans

Dr. Jacob Philip, Dean (Academic)

Dr. Sony C George, Dean (Research)

HOD, MED

Dr. Binu C. Yeldose

About the department

The Department of Mechanical Engineering began its estimable expedition in 2004 and has been marking its tale of victory ever since. With the mission of enlightening young lives to be committed and dedicated professionals, we have always striven to set high standards in teaching and supporting students to excel in academic and technical skills. Along with an advanced curriculum and student friendly atmosphere, we have a dedicated bunch of teachers who strive for the accomplishment of our mission. We assure that learning Mechanical Engineering at AJCE will be a right decision and a stepping stone to flourish in life with excellence.

About the FDP

This FDP is primarily targeted at those doing or planning to do research in the area of science, engineering and management. The participants' will learn, statistics tools and techniques in research with its practical training. This FDP will be the platform for academicians and researchers in science, engineering and management for networking with specialists.

Objectives

- To provide an overview of statistical tools and techniques for scientific research.
- To familiarize of different statistical tools through online training sessions

Resource persons

- [Prof. P.N. RAM KUMAR, IIM KOZHIKODE](#)
- [Prof. SAMPANGI RAMAN, ISI CHENNAI](#)
- [Prof. STEPHY THOMAS, B.C.M. COLLEGE KOTTAYAM](#)
- [Prof. RASIN R. S., ST THOMAS COLLEGE THRISSUR](#)

Course coordinators

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