

Faculty & staff members from Govt Engineering Colleges and Polytechnic Institutions are eligible to apply.

How to Apply: Application (Online Registration) for admission to the course should be submitted online on the DTE website through the link:

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

Last date for online registration : 15th November, 2022.

The candidates are also required to send the duly filled Registration Form to the coordinator as early as possible.

As the number of participants is limited to a maximum of 20, registrations will be done on 'first come first served' basis.

**Note:** Participants are requested to bring their own laptop for the practical sessions in the data analysis.

No registration fee will be charged from the participants. Outstation candidates from government institutions are eligible for travelling allowances, and the TA will be provided as per the FSDTC norms. Accommodation will be arranged for the participants, if needed. The participants who need accommodation may inform the same to the coordinator in advance.

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## DTE SPONSORED FACULTY DEVELOPMENT PROGRAM ON



### DATA ANALYSIS FOR RESEARCHERS

Organized by  
CET SCHOOL OF MANAGEMENT  
COLLEGE OF ENGINEERING TRIVANDRUM

## 21 - 25 NOV 2022





## COLLEGE OF ENGINEERING TRIVANDRUM

The College of Engineering, Trivandrum was established in 1939 as the first Engineering College in the then Travancore State. Over the years, the intake of students increased and as of now with eight full-fledged departments offering eight undergraduate, 27 postgraduate and doctoral programmes under the APJ Abdul Kalam Technological University, the College has around 4500 students, 311 teaching staff and 290 non-teaching staff. B.Tech, B.Arch, M.Tech, M.Plan, MCA and MBA are also offered by the College. Ever since the inception, the College has maintained its eminence as a leading Engineering College in India. According to NIRF ranking College of Engineering Trivandrum is placed in the 85th position.. The College ranks among the top in the country in the quality of its graduates and the number of top jobs held by its graduates. With such an eminence in the academic and curricular activities, the College is the most sought after Engineering College by the applicants of Engineering degree programmes in the state.

## CET SCHOOL OF MANAGEMENT

Realizing the fact that the continuously changing business landscape requires young leaders having a thorough understanding of the developing economies with a global perspective, CET started its post graduate course in management as a part-time MBA in 1985. With the wide acceptance of the high caliber CET MBAs by the business community, a full time MBA programme was launched in 2000, as a well-timed initiative of Government of Kerala. True to its reputation in engineering education, the Department of Business Administration of CET, now renamed as CET School of Management (CET-SOM), has also succeeded in carving out its niche among the B-Schools in the country. CET-SOM is accredited by the National Board of Accreditation and affiliated to the APJ Abdul Kalam Technological University. CET-SOM is an approved research centre of University of Kerala, in Management Studies. The School organizes training programmes for the academia and the industry on a regular basis. The rich experience of the faculty members enables CET-SOM to take up consultancy works as well.

## DATA ANALYSIS

Data analysis is the most crucial part of any research. Data analysis summarizes collected data. It involves the interpretation of data gathered through the use of analytical and logical reasoning to determine patterns, relationships or trends. The motive behind data analysis in research is to present accurate and reliable data. As far as possible, avoid statistical errors, and find a way to deal with everyday challenges like outliers, missing data, data altering, data mining, or developing graphical representation. While data analysis in qualitative research can include statistical procedures, many times analysis becomes an ongoing iterative process where data is continuously collected and analyzed almost simultaneously. Indeed, researchers generally analyze for patterns in observations through the entire data collection phase.

Upon successful completion of the training, the participants are expected to use the multivariate statistical analysis fearlessly in their research works and professional decision making. This training programme will be more useful for the faculty members, who are engaged in research, for developing their data analysis skills.

### Objective of the Programme

- To enable the participants to define research problem and select suitable research design.
- To impart capabilities for formulation and testing of hypothesis based on the nature of research.
- To comprehend appropriateness of statistical software packages SPSS & AMOS for data analysis and structural equation modeling (SEM)
- To enable the participants to learn writing of reports and research proposals.
- To impart hands on experience on Tableau, E-Views & Gretl software.

### Resource Persons:

The course content will be delivered by reputed and experienced experts in the subject from nationally reputed research institutes, universities and colleges.