

PREAMBLE

The research methods and techniques dealt with in the research methodology covers both quantitative and qualitative approaches in scientific research. Quantitative methods aim to classify features, count them, and create statistical models to test hypotheses and explain observations. Qualitative methods aim for a complete, detailed description of observations, including the context of events and circumstances. An experiment is a research method for investigating cause and effect under highly controlled conditions. When conducting an experiment, researchers will test a hypothesis and hypothesis is a statement of how two or more variables are related. A survey is a research which target some population, which are the people who are the focus of research. The workshop aims to improve the research skills and competence among the researchers by strengthening their knowledge as well as improving researcher's technical writing skill, etc.

OBJECTIVES

- To impart a comprehension on the fundamental system of research process.
- To enable the participants, define research problem, developing an approach to research problem and selection of suitable research design.
- To impart capabilities for formulation and testing of hypothesis based on the nature of research.
- Approaching a research problem and planning research.
- Practicing hands-on exercises and examples (LaTeX, Beamer, Overleaf and other drawing tools).
- To enable the participants to understand research paper writing and writing research proposals.

The workshop will be conducted in **Hybrid mode** by the faculty members from IIITDM Kancheepuram/IITs/NITs are invited to deliver lectures in the programme.

ABOUT IIITDM KANCHEEPURAM

Indian Institute of Information Technology Design & Manufacturing (IIITDM Kancheepuram), Chennai. It is a Centre of Excellence for technical education and research established in 2007 by the Ministry of Education, Government of India. To pursue design and manufacturing

oriented engineering education and research and for promoting the competitive advantage of Indian products in global markets. The institute is located on a 51-acre campus on the outskirts of Chennai, off the Vandalur-Kelambakkam road. The Institute is presently offering UG, PG, and Ph.D programmes in Computer Engineering, Electronics and Communication Engineering, and Mechanical Engineering.

ABOUT IIITD&M IEEE STUDENT BRANCH

The IEEE student Branch of IIITD&M Kancheepuram, inaugurated its Student Branch on 2nd May 2016 with 20 student members. IEEE Technical team helps foster the development and facilitate the exchange of scientific and technological knowledge that benefits the members. The non-technical aspects include the career and organizational management, and improving interpersonal skills. IEEE Student Branch, IIITD&M Kancheepuram, believes in the idea of helping people build and grow through integrity.

ELIGIBILITY

Faculties, Research Scholars, Students and Industrial participants can apply.

REGISTRATION

The participants are requested to register online by using the following link:

<https://forms.gle/HWju1r6Sb1vcJzPc8>

(NEFT or IMPS transaction information is required to complete the online Google form).

Category	Reg. Fee
IEEE Member	Rs. 1500
Non-IEEE Member	Rs. 2000
IEEE Student Member	Rs. 1000
Non-IEEE Student Member	Rs. 1200

(**Note:** For IIITDM Students, 50% fee is waived)

The nonrefundable registration fee will be accepted by online Bank transfer through NEFT or IMPS.

Last date for the Registration: 15th Jan 2024

BANK DETAILS

Name of the Account: IIITDM IEEE ACCOUNT
Account Number: 6597898204
Bank and Branch: Indian Bank, Nallambakkam
IFSC Code: IDIB000N056

IEEE National Workshop on Research Methodology

(27 Jan 2024 - 31 Jan 2024)

(Hybrid Mode)



Organized by



IEEE Student Branch
Indian Institute of Information Technology
Design and Manufacturing, Kancheepuram
(Under Ministry of Education, Govt. of India)
Chennai- 600 127, TN.

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