



**NITTTR
BHOPAL**

MH-2/2025-2026

Research Methodology and Proposal Writing for Engineering Academicians

16-06-2025 to 20-06-2025

EC Pune

<https://erp.nitttrbpl.ac.in/poc2025/?id=regMH-2>



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Rationale

In today's academic and technological landscape, research has become an indispensable component of faculty development and institutional growth. Engineering academicians are expected to teach and contribute actively to scientific knowledge through high-quality research. However, many faculty members, particularly early-career professionals, often face challenges in identifying research problems, selecting appropriate methodologies, and crafting compelling research proposals. This FDP aims to bridge this gap by equipping participants with essential tools and techniques in research methodology and proposal writing.

Furthermore, with increasing competition for research grants from funding agencies, writing clear and persuasive research proposals is a critical skill. The program emphasises a systematic approach to research planning, execution, and dissemination, aligning with contemporary academic and funding agency expectations. It also serves as a platform for participants to engage with experienced researchers and resource persons, gain insights into interdisciplinary research

Programme Outcomes

- Comprehend the need to conduct research in Engineering & Technology
- Apply various research methodologies in engineering contexts.
- Develop well-structured research proposals for academic and industrial funding.
- Apply appropriate referencing styles and research tools.
- Formulate clear research questions, objectives, and methodologies.
- Write persuasive proposals tailored to different funding agencies' requirements.
- Use online tools for effective writing.

Programme Content

Introduction to Research in Engineering, Research Design and Methodology, Literature Review and Reference Management Tools, Research Ethics and Plagiarism, Quantitative and Qualitative Data Analysis Techniques, Use of Software Tools Writing Research Papers and Reports, Structure and Components of Research Proposals, Identifying Funding Opportunities and Agencies Draft Proposal Writing and Peer Review.

Target Group

Faculty of all disciplines

Coordinator & Co-Faculty

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