A Report on One Day Workshop on "Multidisciplinary Research Proposal Writing" Organized by Department of Mechanical Engineering In Association with R&D Cell, IIC, MITS on 08.05.2026

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Mode of Conduct: Offline

No. of Participants Attended: 54

Introduction

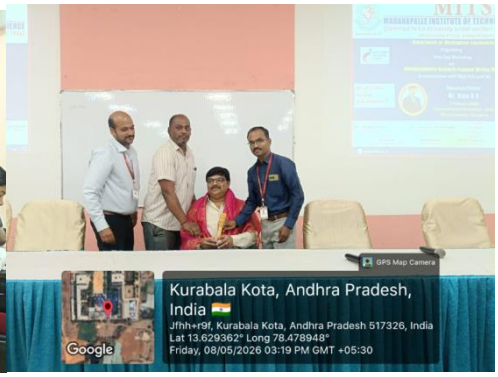
A One Day Workshop on *"Multidisciplinary Research Proposal Writing"* was organized with the aim of enhancing the research competency and proposal writing skills of faculty members, and students. The workshop focused on providing comprehensive knowledge regarding the preparation of high-quality research proposals for various national and international funding agencies. The event served as a platform to promote multidisciplinary collaboration and research innovation across different domains of science, engineering, technology, management, and social sciences. The workshop witnessed active participation from students and faculty members various departments.

Objectives of the Workshop

The major objectives of the workshop were:

1. To provide awareness about the importance of multidisciplinary research in solving real-world problems.
2. To enhance the knowledge and skills required for effective research proposal writing.
3. To familiarize participants with the structure and components of funded research proposals.
4. To educate participants about various funding opportunities offered by agencies such as AICTE, DST, SERB, UGC, MSME, and other organizations.
5. To guide researchers in identifying research gaps, framing objectives, and selecting appropriate methodologies.
6. To promote interdisciplinary collaboration among researchers from different academic backgrounds.
7. To improve the quality of research documentation, budgeting, project planning, and proposal presentation.

The workshop commenced with an inaugural session in the presence of dignitaries, faculty members, and participants. The speaker Dr. B S Raju, highlighted the growing significance of multidisciplinary research and the necessity of preparing impactful research proposals aligned with societal and industrial needs.



The dignitaries emphasized the role of innovative research in achieving sustainable development and encouraged participants to undertake collaborative projects that integrate multiple disciplines.
The session covered the following topics:

- Fundamentals of research proposal writing
- Identification of research problems and research gaps
- Formulation of objectives and hypothesis development
- Literature survey and review techniques
- Research methodology and experimental design
- Preparation of project budgets and timelines
- Writing impactful abstracts and expected outcomes
- Funding opportunities and proposal submission procedures
- Common mistakes in proposal preparation and evaluation criteria

The speaker explained the essential characteristics of successful research proposals using practical examples and funded project case studies. Participants were also introduced to proposal evaluation parameters followed by funding agencies.
Interactive discussions and question-answer sessions enabled participants to clarify their doubts regarding proposal preparation, project execution, and research publication strategies.

Workshop Activities

The workshop included interactive activities such as:

- Brainstorming session on multidisciplinary research themes
- Group discussions on innovative research ideas
- Proposal drafting exercises
- Analysis of sample funded proposals
- Interaction with participants on research collaboration opportunities

These activities helped participants gain practical exposure to proposal preparation and encouraged active learning.

Outcomes of the Workshop

The workshop achieved the following outcomes:

8. Participants gained comprehensive knowledge about the process of multidisciplinary research proposal writing.
9. The workshop enhanced participants' understanding of identifying research gaps and developing innovative research ideas.
10. Participants became familiar with funding agency requirements and proposal evaluation criteria.
11. The workshop improved the technical writing, planning, and documentation skills of researchers.
12. Participants developed awareness regarding interdisciplinary collaboration and research networking opportunities.
13. The event motivated faculty members and research scholars to submit quality research proposals for external funding.
14. The workshop contributed to strengthening the research culture and innovation ecosystem within the institution.

Conclusion

The One Day Workshop on *"Multidisciplinary Research Proposal Writing"* was highly informative and beneficial for all participants. The workshop successfully provided theoretical knowledge and practical insights into research proposal development and funding mechanisms. The expert session and interactive discussions significantly enhanced the confidence and research capabilities of the attendees.

Vote of Thanks

The workshop concluded with a valedictory session and vote of thanks, where the organizers expressed gratitude to the resource persons, participants, and management for their valuable support and cooperation in making the event successful.