

Date:01 /02/2023

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Report

Two Days workshop on “Research Proposal and Research funding”

Objectives

- To know the manufacturing industry innovation needs, values and basic motivation
- Challenges in Manufacturing industries
- Problems
- Solutions
- Dealing with manufacturing industries: Understanding the responsibilities
- As a solution provider
- As a system integrator
- As a Research and Development Engineer or consultant
- As a maintenance and operational person
- As a sales and marketing person/manager/executive

Workshop:

Three days' workshop on Research Proposal and Research funding has conducted for the faculty members of ICEM, which is an initiative of R & D department.

Modules covered:

- ❖ Research-Meaning and Definition
- ❖ Importance, Motivation and Values
- ❖ Level of Research Problems based on the Purpose
- ❖ Problem Formulation:
 - Genesis
 - Selection of topic and prerequisites
 - Understanding and interpretation issues
 - Relevance and Social Impact
- ❖ Examples
- ❖ Funding Mechanisms and Proposals

Research Proposal and Research funding: Day 1

Date: 30-01-23

Location: Indira college of Engineering & Management, Pune

Purpose: To educate and given the lecture and guidelines on promotion of Research, Funded Projects, Basic Information of the Principle investigator and the institute, Project Title, Need and Justification, Expected outcomes, Materials and Methods, Experimental Requirements, Other Resources, Financial needs/Budget, Declaration and Summary.

Key speakers:

Dr. Ajay Deshmukh, Director,
center for industrial mathematics Bhaskaracharya Pratishthan

Agenda:

1. Research-Meaning and Definition
2. Importance, Motivation and Values
3. Level of Research Problems based on the Purpose
4. Problem Formulation:
 - a. Genesis
 - b. Selection of topic and prerequisites
 - c. Understanding and interpretation issues
 - d. Relevance and Social Impact
5. Examples
6. Funding Mechanisms and Proposals

Highlights:

- ❖ The faculty members are having sufficient experience on teaching, research and journal publications. Therefore, they are motivated to think innovatively to take up the research projects related to their fields and it will be helpful to the society as well.
- ❖ A Project proposal should be unique to each project. The format for the proposal slightly varies as per the funding agency guidelines.
- ❖ The researcher should need to understand the mind of the people who will benefit from the project output. They will have many questions, and one need to make sure all those are answered in the project proposal document.
- ❖ Through step by step, the answers are provided for various questions to the professors and faculty members such as problem identification, project/research strategic goal, benefit of the users (or) focused group, deliverables, required resources, cost/budget, risk and issues, roles and responsibility of the coordinator/researcher, preparation of project report etc.

COLLEGE OF ENGINEERING AND MANAGEMENT

Approved By AICTE New Delhi, DTE (MS), Affiliated to Pune University and Accredited by NAAC with B++ Grade
(Id-No. PU/PN/Engg/282/2007)



Conclusion: Research Proposal and Research funding workshop provided a valuable educational experiences for attendees. They gained a better understanding of the importance of research proposal and research funding. Finally, he motivated all the participants to write more research articles, publish in the reputed journals, approach government agencies with sponsored project proposals, and file the patents.

Research Proposal and Research funding: Day 2

Date: 31-01-23

Location: Indira college of Engineering & Management, Pune

Purpose: To educate and given the lecture and guidelines on promotion of Research, Funded Projects, Basic Information of the Principle investigator and the institute, Project Title, Need and Justification, Expected outcomes, Materials and Methods, Experimental Requirements, Other Resources, Financial needs/Budget, Declaration and Summary.

Key speakers:

Dr. Ajay Deshmukh, Director,
center for industrial mathematics Bhaskaracharya Pratishtan

Agenda:

1. Fundamental Research or Applied Research
2. Theoretical or Experimental
3. Exploratory: Unknown problem is exploratory research, and may not lead to any conclusive results
4. Explanatory Research: Understanding cause and effect
5. Descriptive Research: explore and explain while providing additional information about a topic.
6. Pragmatic Research: Understood by human or practical. Pragmatic research deals with things in a practical way
7. Action Research: Action researcher and client collaborate and provide better solution e.g. political actions.

Highlights:

- ❖ Problems in real life looks simple but normally difficult to solve.
- ❖ Research starts where you get into stuck up condition
- ❖ Research outcome is new knowledge
- ❖ Research could be of use to society in general
- ❖ It is the time, intellectual efforts, expressions, financials and influence of research that matter
- ❖ The list of international and national level funding agencies are showed and mentioned that the same list is also available in our website.

Conclusion: Research Proposal and Research funding workshop provided a valuable educational experiences for attendees. They gained a better understanding of the importance of research proposal and research funding. Finally, he motivated all the participants to write more research articles, publish in the reputed journals, approach government agencies with sponsored project proposals, and file the patents.



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