



Bangalore Chapter

Research Methodology Workshop

[8-9 July (Saturday-Sunday), 2017]

Organized by

IEEE ComSoc Chapter Bangalore and IEEE Bangalore Section

For the benefits of PhD/Research Scholars, PG/UG Students/Engineers from Industries

@ AMRITA SCHOOL OF ENGINEERING, KASAVANAHALLI – BANGALORE-35

Unique Contents, NEVER BEFORE like this, Hurry up !

Limited Seats and Registration!

**Please Register only @500.00INR For IEEE Members and 600.00INR for Others
(First Cum First Serve)**

<https://in.explara.com/e/research-methodology-workshop>

Lunch/Tea/Coffee/Snacks included in the registration

Workshop Objectives:

At the end of this workshop, the audience should be able to:

- understand some basic concepts of research and its methodologies
- identify appropriate research topics
- select and define appropriate research problem and parameters
- prepare a project (thesis) proposal (to undertake a project/thesis)
- organize and conduct research (advanced project) in a more appropriate manner
- write a research report, article/paper and thesis
- write a research proposal (grants)
- Review an article and submit the report (peer review process)

The workshop is divided into 4 modules:

Module 1 – Identifying a problem

Module 2 - Tackling and addressing the problem (doing research)

Module 3 – Reporting the research (Report/thesis writing/publishing)

Module 4 – Peer Review Process **and Proposal Writing***

SCHEDULE

	Day/ Time	Subject/Topic/Title to be covered	Speakers
MODULE 1 Defining a Research Problem	Day 1 09:00-13:00	Defining a Problem? [1] Overview of Research and its Methodologies <ul style="list-style-type: none"> • Concepts of research • The need for research • Types of research • Steps in conducting research [2] Literature review <ul style="list-style-type: none"> • What is literature review? • Why the need for literature review? • How to carry out a literature review? [3] Selecting and defining a research problem <ul style="list-style-type: none"> • Problem formulation – why the need for this? • What are the criteria for selecting a problem? • Identifying variables • Evaluating problems • Functions of a hypothesis 	
	Day 1 14:00 – 17:30	Approach to Solve the Problem? [4] Conducting the research <ul style="list-style-type: none"> • Research activities • Preparations before conducting your research STUDENT INTERACTION SESSION (30 Minutes) [5] Examples of Research at the University <ul style="list-style-type: none"> • Differences among Postgraduate and Undergraduate Research • Research at the postgraduate level (PhD and MSc) • Research at the undergraduate level (BTec/BSc) Research at Industries	
MODULE 2 Approach to Solve the Problem (Conducting Research)			

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<p>MODULE 3 Publishing / Reporting Research work (Includes Writing Research Report or</p>	<p>Day 2 09:00 – 13:00</p>	<p><i>Includes related terms Copyright, patent, Copyright transfer, etc. Patent vs copyright, including co-authors, etc</i></p> <p>[6] Writing Research Reports and Thesis</p> <p>Writing Research Paper</p> <ul style="list-style-type: none"> • Why the need to write papers and reports? • Writing a research report • Writing a technical paper <p>Thesis Writing</p> <ul style="list-style-type: none"> • Contents of a Thesis • Case Study 	
<p>MODULE 4 Reviewing Article & Proposal writing* (Peer Review)</p>	<p>Day 2 14:00- 17:00</p>	<p>STUDENT INTERACTION SESSION (30 Minutes)</p> <p>Peer Review</p> <ul style="list-style-type: none"> • What, why (Importance) • Review process • Plagiarism, etc. <p>Review submission Comments/Suggestion updates Camera Ready, etc.</p>	

Contact – Dr Navin Kumar @ navinkumar@ieee.org

* if time permits

Register here:

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