SE541: Research Methodology

Ī	Teaching Scheme			Credits	Marks Distribution				
Ī				Theory Marks		Practical Marks		Total	
	L	T	P	С	ESE	CE	ESE	CE	Marks
ĺ	1	2	0	3	70	30	30	20	150

Course Content:

Sr.	Tonica	Teaching	
No	Topics	Hrs.	

1 Introduction: 04

Find what is expected of the you: Identify specific requirements for evaluation/review and what constitutes, completion of your work.

Decide which sources you will need: Differentiate between journals, conferences, books, magazines and their Quality, Understand how to establish their quality and authenticity.

Finding Information: How to conduct effective searches, How to find relevant papers related to your area of research, How to capture critical information.

Identify main ideas in scholarly literature: Understand and identify the bias, theoretical position and evidence produced.

Write notes to organize your ideas: Compare ideas and concepts from different papers.

Ethical Issues related to Research: Plagiarism, Intellectual Property rights, Copyrights, Patent

References: Understand the importance of distinguishing your work from others works and acknowledging such references, Learn international standards of referencing.

Focus To Problem & Understand The Direction of Research:

Identify Problem and Methods to Solve it: Analyze the question, Identify key areas in your field, Determine the nature and extension of papers that you should read.

Identify the gaps: Learn to Critique existing knowledge and how to find the gap.

04

Formulate the Problem Statement: Understand what should be the key aspects of your problem statement Examples of effective and ineffective Titles.

Validation: Identify problem and experimental/theoretical data for comparison with your model, earn how to extrapolate/scale data for validation, Find what acceptable level of error and justification thereof is.

Publishing Research:

Writing your Assignment: Identify the key features of any written work, Structure your assignment,

Build your argument: Recognize the importance of emphasizing your point ,Distinguish between your point and the evidence available, Acknowledge the evidence

Review and finalize your work: Know and follow the Process of reviewing and proof reading your work

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Review and finalize your work: Know and follow the Process of reviewing and proof reading your work, Use feedback to improve your work

4 **Showcasing The Research:**

Delivering Your Presentation

Check the logistics of your presentation: Identify the key message of your presentation, Understand the expectations and what will be the key review points.

Develop the structure of your presentation: Understand the key components of an oral presentation, Know the usual structure of a good presentation.

Putting together the support material: Identify all the material you need to carry as supporting material.

Get feedback on oral presentation: Prepare for delivery of your Oral presentation, Rehearse and time your presentation.

04

02

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Total Hrs. 14

Reference Books:

- 1. C.R. Kothari, "Research Methodology: Methods and Techniques", New Age Publishers.
- 2. R. Paneerselvam, "Research Methodology", PHI Learning Private Limited, Eight Printing 2010.