

1.	Title of the course	Introduction to Research
2.	Course number	ID602N
3.	Structure of credits	2-0-0-2
4.	Offered to	PG
5.	New course/modification to	Modification To ID6020/20
6.	To be offered by	Academics
7.	To take effect from	July 2022
8.	Prerequisite	CoT for UG
9.	<b>Course Objective(s):</b> Provide a foundation for students actively taking up research and associated higher studies. To introduce students to important aspects of research. To make students aware of details associated with formal research and help overcome common misconceptions that may be present in their minds.	
10.	<b>Course Content:</b> Introduction and overview of research, Creativity in Research; Choosing a research problem, Literature survey, Design of Experiments, Data analysis and Modelling skills, Technical writing including research publication and Ph.D. Thesis (or any thesis), Technical Presentations; Ethics in Research, Intellectual Property, Department specific research discussions	
11.	<b>Textbook(s):</b> 1. Kothari C R, <i>Research methodology: Methods and techniques</i> , 2nd Edition, New Age International (2004).	
12.	<b>Reference(s):</b> 1. Elizabeth DePoy and Laura N Gitlin, <i>Introduction to Research: Understanding and Applying Multiple Strategies</i> , 6th Edition, Elsevier Health Sciences (2019). 2. Robert B Burns, <i>Introduction to Research Methods</i> , 4th Edition, SAGE Publications (2000).	