

MULTIDISCIPLINARY

INTRODUCTION TO RESEARCH



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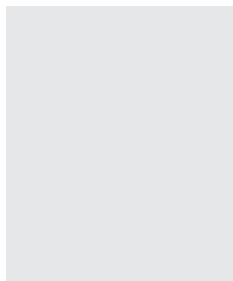
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TYPE OF COURSE : Rerun | Elective | PG

INTENDED SUPPORT : Students of ME/MTech/MS/MSc/PhD can benefit.

COURSE DURATION : 8 weeks (25 Feb'19 - 19 Apr'19)

EXAM DATE : 28 Apr 2019

PRE-REQUISITES : Students who have completed undergraduate studies (in Engineering or Science) will be in a better position to benefit from this course

COURSE OUTLINE :

Large numbers of students are actively considering and taking up research and associated higher studies. This course aims to introduce students to the important aspects of research. The intent of the course is to make students aware of the details associated with formal research and to help students overcome common misconceptions that may be present in their minds. By going through this course, students are likely to be able to take up research activities in a more systematic and formal manner right from the beginning.

ABOUT INSTRUCTOR :

Multifaculty
Coordinated by Prof. Prathap Haridoss
Department of Metallurgical & Material Engineering

COURSE PLAN :

- Week 1** : A group discussion on what is research; Overview of research;
- Week 2** : Literature survey , Experimental skills;
- Week 3** : Data analysis, Modelling skills;
- Week 4** : Technical writing; Technical Presentations; Creativity in Research
- Week 5** : Creativity in Research; Ethics in Research
- Week 6** : Design of Experiments
- Week 7** : Intellectual Property
- Week 8** : Department specific research discussions