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