

Name of Faculty member	Title/topic of thesis	computational)	Desirable pre-requisites (course / skill)	Any other Remarks
P.K.Thiruvikraman	Using Simulated Annealing for Curve fitting	Computational	language	
Kannan Ramaswamy	solar cell efficiency	Time Domain simulations	Basic Electromagnetic Theory	
V. Satya Narayana Murthy	torque switching	Computational	C / C++	
Kannan Ramaswamy	nanoparticles	Experimental and Computational	Basic Electromagnetic Theory	Aptitude in chemistry and biology
Kartick Tarafder	principle study using density functional	Theory & Computational	any one programming language.	
Kartick Tarafder	to design and characterize new materials	Theory & Computational	any one programming language	
Rahul Nigam	Magnetic Field in Large Scale Structure	Theory & Computational	any programming language	
Rahul Nigam	Formation and Merger Dynamics using N-	Theory & Computational	any programming language	
Aravinda Raghavan	Nanocomposites	Theory & Computational	Mechanical properties of Materials	
Aravinda Raghavan	Modelling Viscosity of Glassy Melts	Theory & Computational	Mechanical properties of Materials	
Asrarul Haque	Causality and Radiation Reaction Problems	Theoretical	Quantum Mechanics II	
Souri Banerjee	stapling & investigation of its trapping	Experiment & Theory	electrical sciences	
Sarmistha Banik	crust	Theory & Computational	Knowledge of any programming language	
Sarmistha Banik	Rotating neutron stars	Theory & Computational	Knowledge of C++	
Adonis Vasile Lupulescu	implementation in Nuclear Magnetic	Theory & Computational	thinking abilities	