

Electronics Engineering	
Sr. No.	Topic
1	Prediction of Chaotic Behaviour In Biomedical Signals Using Soft Computing Techniques
Mining Engineering (ME by Research)	
1	Reliability of Surface Miners in Indian Coal Mines with special reference to Opencast Mines in SECL Coalfields Ltd.
2	Reliability study of Shovel-Dumper Equipment System with special reference to Gevra O.C.Project, SECL, Bilaspur.
3	Optimization of production from Surface Miner with respect to Cuttability Index of strata in Indian Coal Mines with special reference to Open Cast Mines S.E.C.L.
4	"Effects of Excavation-Geometry on Blast-Geometry with reference to Blasthole Diameter and Bench Height"
Mining Engineering Ph.D	
1	Development of MIS for Draglines and Dumpers
Electrical Engineering	
1	"INVTIGATIONS ON DEVELOPMENT OF WIRELESS SENSOR NETWORKS FOR EXTENDED LIFE TIME PERFORMANCE."
2	" CONDITION MONITORING AND FAULT DIAGNOSIS IN PERMANENT MAGNET SYNCHRONOUS MOTOR."
3	" Modeling , Analysis & Design of AC & DC power Nano Grid."
4	" SCHEMATIC MODELLING AND SIMULATION OF CENTRAL ENERGY MANAGEMENT AND CONTROLLING OF GRID CONNECTED NANO HYBRID POWER SYSTEM."
5	" Smart Protection System Concept As Applied To a Distribution System For A Test Grid."
Mechanical Engineering	
1	"Modeling and Analysis of Wire Rope "
2	"Design & Development of Solar Assisted Leaf Plate Making Machine"