

School of Technology

Department of Civil Engineering

Research Focus

Sl. No.	Name of the Faculty (Faculties)	Title of the project / Focused Research topic	Name of the Collaborating Industry/ Govt Body / Collaborator)
1	Dr Dhruvesh Patel	Natural Hazards, Flood Risk Assessment and Management, Hydroinformatics, Real-time Flood Forecasting, Climate Change, Water Harvesting and Water Resources Management, Remote Sensing and Geographic Information System, SAR, Environmental engineering	ISRO, SERB, DST, Irrigation Department, SWDC, CWC, GERI, Kalpsar Dept.
2	Dr. Daya Kaul	Sulfur composite; synthesis and characterization using petrochemical solid waste and its environmental application	Reliance Industries
3	Dr. Daya Kaul	Recovery of metals from E-waste: A comparison of Bio-hydrometallurgy with convention methods	NEERI Nagpur
4	Dr. Daya Kaul	LCA for Integrated steel plant	TATA Steel
5	Dr. Daya Kaul	Assessment of Noise Pollution In Urban Traffic Centers of Delhi	NPL Delhi
6	Dr. Debasis Sarkar	7D Building Information Modeling for Real Estate Commercial Projects	
7	Dr. Debasis Sarkar	Risk Based 6D Building Information Modeling for Infrastructure Projects	
8	Dr. Debasis Sarkar	Integrated Project Delivery-BIM Model for Infrastructure Projects	
9	Dr. Debasis Sarkar	Integrated Project Delivery for Real Estate Projects	
10	Dr. Debasis Sarkar	Project Risk Management for Mass Rapid Transit System Projects	
11	Dr. Debasis Sarkar	Productivity Optimization of Ready Mixed Concrete Using Genetic Algorithm	
12	Dr. Debasis Sarkar	Delivery Scheduling and Route Optimization of Ready Mixed Concrete Using Genetic Algorithm	
13	Dr. Debasis Sarkar	Strength Forecasting of Ready Mixed Concrete Using ARIMA Model	

14	Dr H R Dhananjaya	Laminated Composites and FGM using Alternate Finite Element Method	Not Collaborated
15	Dr H R Dhananjaya	Optimization design of Cable stay bridge	Not Collaborated
16	Dr H R Dhananjaya	Optimum Design of PSC Box Girder bridges	Not Collaborated
17	Dr H R Dhananjaya	Special Composite Concrete	Not Collaborated
18	Mr.Apurva H Dave	Performance of Bubble Deck Slab	
19	Mr.Apurva H Dave	Parametric Study of Corrugated web built up beam.	
20	Dr. Anantha Singh T S	Treatment of Ammoniacal Nitrogen From Industrial Wastewater in a Combined Electrochemical and Biological Process	DST
21	Dr. Anantha Singh T S	An experimental study of Domestic grey water treatment by natural coagulants combined with dual layer filter media	
22	Dr. Anantha Singh T S	Experimental study on the effect of CETP sludge on corrosion durability and leaching effects of concrete	Dr. Niragi Dave
23	Dr. Anantha Singh T S	Treatment of Ammoniacal Nitrogen from industrial wastewater by chemical method.	DST
24	Dr. Anantha Singh T S	Removal of arsenic from aqueous solution using combined ultrasonic and electrocoagulation process	GTU
25	Dr. Anantha Singh T S	Treatment of CETP Wastewater by Electro-fenton based Advance Oxidation Process	NEERI Nagpur
26	Dr. Anantha Singh T S	Cracking Of Hydrocarbon Pollutant Using Dielectric Barrier Discharge Plasma	IPR, Gandhinagar
27	Dr. Anantha Singh T S	Studies On Removal Of Nitrogen And Carbon Based Pollutant From Dye Intermediate Industrial Wastewater By Combined Electrochemical Processes	DST
28	Dr. Anantha	Plasma Gasification For Disposing Tyre Waste	IPR, Gandhinagar

	Singh T S	And Recover Energy	
30	Dr. Anantha Singh T S	Zero valent aluminium based water and wastewater treatment methods	NEERI Nagpur
31	Dr. Anurag Kandya	Moving towards Organic Manure using gamma irradiated sewage sludge	BRNS
32	Dr. Anurag Kandya	Urban Air Quality Modelling using Remote Sensing and Geographic Information Systems	ISRO
33	Dr. Anurag Kandya	Building energy modelling	IIT Roorkee
34	Dr. Niragi Dave	Geopolymer Concrete (Submitted)	SERB DST
35	Dr. Tejas Thaker	Seismic Hazard assessment	AIT
36	Dr. Tejas Thaker	Flood monitoring and its impacts	
37	Dr. Manas Bhoi	Impact of industrial waste on soil properties and its behaviour	
38	Dr. Manas Bhoi	Ground improvement techniques	