

# Research Projects-Faculty of Engineering

## A) Thesis/ short studies/ Dissertation of PG,UG,INTERN

S.No	Name of the Faculty/Department	Student Name	Title of Project	Guide/Co-guide	Ongoing Projects/ Completed/ Submitted projects
1.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Mr. Aryan and Mr. Bhavesh	Channelizing Debris flow (UG)	Guide	Completed (2016)
2.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Bharat Gaur, Deepanshu Yadav and Himanshu Bhardawaj	Ground Water quality Assessment around Gazipur landfill site	Guide (UG)	Completed (2015)
3.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Bharat and Prashant Phogat	Design of sewage treatment plant for ITMU	Guide (UG)	Completed (2015)
4.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Satpal Singh	Soil nailing technique: Analytical, Numerical & Model studies	Guide (PG)	Completed
5.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Ajay Berwal	Corner stresses in RCC frames	Guide (PG)	Completed
6.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Vikas Srivastav	Soil – structure interaction problem in shallow foundation	Guide (PG)	Completed

7.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	LavneekJan du	Retrofitting of office building under earthquake condition	Guide (PG)	Completed
8.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Jagdish Prasad	Behaviour of integral bridge design for taxiways	Guide (PG)	Completed
9.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Harsh	Study of different retrofitting techniques in multistory building frame	Guide (PG)	Completed

### B) PhD Research Topics

S.No	Name of the Faculty/Department	Name of the Research scholar	Title of Project	Guide/ Co-guide	Ongoing Projects/ Completed/ Submitted projects
1.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Ms. VaishaliSahu	Study on Stabilized Fly Ash Lime Sludge Composite as Pavement Base Course Layer	Guide	Defended
2.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Ms. Anju Bala	Estimation of evapotranspiration through Surface Energy Balance Model Using Satellite Data	Co-Guide	Thesis Submitted
3.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Ms. GeethaVerma	Adsorption potentiality of biomaterials and biogeocomposite on the removal of copper from aqueous solutions	Co-Guide	Thesis Submitted
4.	Dr. Amit Srivastava (Civil Engineering	Ms. Niragi Kalpesh Dave	To Investigate the Behavior and Performance of Quaternary Cement Binder Matrices	Co-Guide	Ongoing

	and Dean, FET)				
5.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Ms. Ruchi Gupta	Environmental and Economic Evaluation of Fluoride Toxicity in Jhajjar district, Haryana	Co-Guide	Ongoing
6.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Ms. Monica Rani Malhotra	Investigation of Pile capacity adjacent to buried pipe system	Guide	Ongoing
7.	Dr. Amit Srivastava (Civil Engineering and Dean, FET)	Mr. Dharmendra Kumar Srivastava	Forensic Geotechnical investigations in Civil & Infrastructure	Guide	Ongoing

### C) Research Projects under Intra-Mural Grants

S.No	Name of the Faculty/Department	Name of PI/co-Investigator	Title of Project	Month of commencement	Funded by SGT/Self funded	Present Status
1.						
2.						

### D) Research Projects under Extra-Mural Grants

S.No	Name of the Faculty/Department	Name of PI/co-Investigator	Title of the Project	Name of the funding Agency	Month of commencement	Present Status
1.	Dr. Amit Srivastava(Civil Engineering and Dean, FET)	Principal investigator – Prof. Sivakumar Babu G. L.	Analysis of failure of dams during Bhuj earthquake	DST	2005-2008	Completed

2.	Dr. Amit Srivastava(Civil Engineering and Dean, FET)	Principal investigator – Prof. Sivakumar Babu G. L.	Reliability analysis of buried pipes	DST	2004-2007	Completed
3.	Dr. Amit Goel/CSE	Prof. Amal K. Saha/Dr. Amit GoelSah/Dr. Amit Goel	Smart Service Delivery for Elderly, Disabled, Illiterate and Vulnerable Citizens, using Natural Language Processing (NLP), Humanoid Agent and Conversational User Interface (CUI) based channels and Combination of Machine Learning and Rule-based Algorithms	DST		Under Consideration