

Water Resources				
Roll No.	Name of Student	Mobile No.	Guide	A brief about M.Tech Project
163040020	Utkarsh sharma	9716559828	Kapil Gupta	Flood risk assessment using HEC-RAS
163040021	Pushpendra Raghav	8285690895	T.I. Eldho	How the regional and global water resources get affected due to climate change. Prediction of various hydrological and climatological variables will lead to betterment of agriculture sector and distribution of water in a very efficient way.
163040023	ANUSHREE RANJAN	9823042439	Kapil Gupta	STORMWATER CONTROLS FOR FLOOD MITIGATION WITHIN URBANISED WATERSHED
163040024	K.N.S.R.K. Prasad	9491022374	T.I. Eldho	Reactive transport process and groundwater modeling
163040025	Kajal patel	8291585633	V. Jothiprakash	Geomorphological Unit hydrograph for an ungauged basin
163040026	Rajat Singh	9579888089	A.K. Rastogi	Groundwater flow simulation in a confined aquifer using meshless method and comparing the results with FEM
163040027	Amit kumar sinha	8291339712	T.I. Eldho	experimental and numerical investigation of scour and flow around complex pier
163040028	Ashish Jayaswal	9716685866	V. Jothiprakash	Filling of Missing Rainfall Data using Soft Computing Techniques, mainly Singular Spectrum Analysis
163040051	Avinash Parla	9987229088	Raaj Ramshankarn	Mass balance of western and eastern Himalayan glaciers using freely available stillite data

163040059	Akash Deep Singh	9987094301	M.J. Reddy	<p>Irrigation water management has significant economic implications in developing countries like India. While the structural infrastructure has been created with a huge financial investment in these countries, it is vital that appropriate non-structural measures be adopted for efficient water management. Scientific policies of operation of irrigation reservoir systems need to be developed with the aid of mathematical tools and implemented in practice.</p> <p>In this report, some mathematical tools for irrigation system operation, crop water allocations, and performance evaluation is presented, with a discussion on the work carried out in India. Recent tools of fuzzy optimization and fuzzy inference systems address uncertainties due to imprecision in various components of the management problem. The applications considered are for obtaining reservoir operating policies for performance evaluation of irrigation system.</p>
163040062	Milan Kumar	7062282514	A.K. Rastogi	Comparison of differential evolution and particle swarm optimization in inverse groundwater solutions
163042001	Aan Shrestha	9004295525	J. Indu	Uncertainty quantification in land surface model
163042006	Pawan Khatri	9004293424	M.J. Reddy	Reservoir Optimization
163042013	Rajeeb Singh	7799269027	T.I. Eldho	Scour analysis at bridge abutments
		Ocean		
Roll No.	Name of Student	Mobile No.	Guide	A brief about M.Tech Project
163040048	Saptarshi Bose	8095999038	R. Balaji	Estimation of residual service life of port and harbour infrastructure
163040049	Aditya Thakur	8169892223	M.C. Deo	Impact of climate change on design waves along the Indian coastline based on the most severe global warming scenario .

163040050	Sunny kumar	9911796036	M.C. Deo	Estimation of significant wave height across the various points on Indian coastline.
163040067	Kuruva Harish	8985063357	Manasa Ranjan Behera	The topic mainly covers different types of wave structures which generates power and how the structures interacts with waves and the hydrodynamics characteristics of the wave
		Structure		
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163040044	Hrishabh Kumar	9987105019	Y.M. Desai	Work on FEM
163040069	Rajdeep Shil	7572997388	Jayadipta Ghosh	Application of machine learning,Bayesian statistics and field monitoring data for next generation fragility functions.
163040041	TANAMAY YADAV	8765067463	Swagata Basu	VUNRABILITY AND RISK ANALYSIS OF BRIDGES
163040042	V S SHAIK ALTHAF	9895200599	P. Banerji	Structural health monitoring of Masonry Arch bridge using Multi model updating : Research on an innovative approach to improve Model updating using ABAQUS FEM modelling and using experimental site data
163040037	shivangi tiwari	9761808020	R.S. Jangid	Multi objective optimization of Tuned Mass dampers
163040038	Sahin Hossain Molla	9987088197	Mandar Inamdar	Finite Element Analysis on Plates and Laminates
163040039	Lad Devang	9833372571	Siddhartha Ghosh	Data fusion of Rebound Number and Ultra Sonic Pulse Velocity through statistical analysis. - It will require Bayesian updating & Markov Chain Monte Carlo simulation of experimental and theoretical models and arrive at a single value strength from two different NDT which give totally different characteristics of Concrete.
163040032	Yash Dhabalia	9979898355	Sauvik Banerjee	Detection and Computation of severity of Crack in welded joint using wave-propagation approach. Also validation of it using Support Vector Machine and Experimental Results

Untitled spreadsheet - Sheet1

163040035	Jothish R	9650187953	Y.M. Desai	Finite Element Analysis and Design of Pipe Line Networks for Nuclear Projects
163040040	RIFAN C	9567196515	Sauvik Banerjee	Impact echo array technique for detection and characterization of reflectors in concrete structures
163040034	NAMAN KHANDELWAL	9414617850	Alok Goyal	Design & analysis of a Steel Railway Truss Bridge and Dynamic loading with reduction in factor of safety used in design.
163040071	SANISH KUMAR SINGH	8828168719	Alok Goyal	residual stresses in railway bridges
163040068	Patel Varun Ghanshyambhai	7405856165	Jayadipta Gosh	Applying the field instrumentation parameters for updating bridge fragility estimates
163040057	Priyesh Gedam	8087678527	A. Lashkar	Comparative Analysis of RC Beams Tested under Shear Failure using IS and Other Codal Provisions.
163040033	Shuvadeep Panchanan	9864073376	Swagata Basu	Response of asymmetric benchmark structure using semi active damper taking into account soil structure interaction
163040036	Deepanshu Varshney	7275506114	Ravi Sinha	Probabilistic Siesmic Hazard Assessment
163040043	Hemant Kumar Prajapati	8108387462	A. Lashkar	OPTIMIZATION OF PERIODIC FOUNDATIONS FOR SEISMIC ISOLATION OF STRUCTURE
163042002	Ayon Das	8452074405	Siddhartha Ghosh	Seismic Fragility Analyses
163042004	Nibas Bepari Apu	8452081918	Ravi Sinha	Seismic Hazard, Vulnerability and Exposure Modelling in GIS-Based Seismic Risk Assessment
163040045	Gore Saiprasad Venkatesh	9970175913	Naresh K. Chandiramani	To develop a new model of Friction damper with Variable Frictional Force.
163040066	Deepesh Kumari	8291474056	R.S. Jangid	Design of Unbonded-fibre reinforced isolated elastomers. FE modelling for unbonded bearings and comparing results with analytical modelling.
163040027	Prerak Shah		Mera Raghunandan	Selection of earthquake ground motion sequences to evaluate seismic vulnerability of buildings
		Geotech		
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163040013	PRINCE KUMAR	9873394613	S. Murthy Dasaka	STUDIES ABOUT THE NEGATIVE SKIN FRICTION ON PILES.
163040014	Puneet Rathi	9706339116	D.N. Singh	A study of thermal effects on organic soils.
163040015	Vikrant jain	8291530921	B.V.S Viswanadham	Stablization of pavements over black cotton soil using geostrip reinforced fly ash columns
163042003	Avishek Ghosh	8291339760	Ashish Juneja	Soil Nailing The pullout capacity of soil nailing ,related to the grouting on soil and determine the total capacity of soil naing
163040058	Anurag Sahare	9730032657	Deepankar Chodhury	Estimation of Cyclic Liquefaction (Cyclic Softening of clays) under Geotechnical Earthquake Engineering
163040061	Kunal Singh	7607706194	S. Chatterjee	Immediate Settlement of Shallow Foundations on Soft Soils using ABAQUS
163040017	K Manoj Kumar	7842828929	P. Basu	Effects of tempreture on direct shear strength of pile soil interface
163040016	B.D.M.K. Raju	9581419347	J.N. Mandal	Stabilised Soil for Embankments
		Transportation		
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163040005	Jatin Jain	8103684464	Gopal R Patil	Congestion problem at JNPT: A case study
163040064	K Murali	8291473885	Gopal R Patil	Forecasting of Indian national highways traffic
163040063	Kritika saini	8233690051	Tom V Mathew	Adjustment factor development of signalised intersection based on indian condition that Involves simulation, coding and statistical analysis
163040003	Madhav Kaushal	7859953301	P. Vedagiri	Traffic Engineering
163040006	Navneet Singh Tanwar	8291473848	K.V. Krishna Rao	airport choice modelling
130040091	Saideep Punna	9619472189	Gopal R Patil	air transport demand forecasting using mathematical models

163040009	Nitish Govindrao Kalyanpad	9403665652	K.V. Krishna Rao	Development of an econometric growth factor model based on GDP for Estimating Freight Demand.
163040004	SARTHAK SHRIVASTAVA	9643120019	P. Vedagiri	Would be related with traffic, but to be decided.
		CTM		
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163040054	PREM KUMAR	9873381151	Venkata S.K. Delhi	Related to BIM
163040055	Athul Krishnan M	9967016028	Venkata S.K. Delhi	Building Information Modelling - 5D BIM
163040052	Shivram G Krishnan	9497313215	Venkata S.K. Delhi	Management-Building Information Modelling (not finalised)
163040053	Hardik jain	8871756350	M. Salman	Concrete technology
163042005	SOHEL RANA	8291474719	.	Green Building Project Management Approach in Pre-construction Phase and Post-construction Phases