

DEPARTMENT OF CIVIL ENGINEERING, VSSUT BURLA
M.TECH IN STRUCTURAL ENGINEERING, PROJECT -MAY 2017

SL. No	Project Title	Name of Student	Name of Supervisor(s)
1	Fly ash based Geo-polymer concrete	Sanjeev Kumar	Mrs. Sanghamitra Jena
2	Development of lightweight concrete using cenosphere.	Uma Shankar Biswal	Prof. Amar Nath Nayak
3	Effect of fine aggregate replacement using fly ash and bottom ash mixture on strength and durability properties of concrete.	Sudipta Rout	Dr.Bharadwaj Nanda
4	Properties of concrete using waste refractory brick as coarse aggregate	Rupa Mahato	Dr. Ramakanta Panigrahi
5	Effect of Fly ash and bottom ash on the Micro-structural Behaviour of concrete	Smaraki Kar	Dr. Saubhagya Kumar Panigrahi
6	Experimental Study on Strength of concrete with sand replaced by Quarry dust	Achinya Sahoo	Mrs. Leena Sinha
7	Strengthening of Shear deficient Deep Beam using Externally Bonded GFRP Composites	Swastik Pradhan	Prof Amar Nath Nayak
8	Seismic Protection of Soft Story Building using Sliding isolation system	Rojalin Moharana	Dr.S.K.Patro
9	Behaviour of Recycled Aggregate concrete mixes incorporating Rice husk ash	Rupali Subhasmita Padhi	Dr.B.B.Mukharjee
10	Free Vibration and buckling analysis of composite sandwich plates using finite strip and finite element procedures	Rututmbhara Panigrahi	Dr.Ajaya Kumar Nayak
11	Effect of Anchorage on the GFRP Strengthened RC T-Beam	Sonali Sucharita Rout	Dr. S.K. Panigrahi
12	Experimental study on Vibration characteristics of laminated composite plate	Shibani Sahoo	Mrs. Leena Sinha

DEPARTMENT OF CIVIL ENGINEERING, VSSUT BURLA
M.TECH IN ENV.SC. ENGINEERING, PROJECT -MAY 2017

SL. No	Project Title	Name of Student	Name of Supervisor(s)
1	Removal of Hexavalent Chromium From Aqueous by Using Waste Materials	Akanshya	Dr. R.R.Dash
2	An Experimental Study on the reduction of TDS from CTBD water by using vertical filter media and reuse	Shilpa Rani Behera	Dr. R.R.Dash
3	Studies on Spatial Variation of Ground water Quality Monitoring of Dhankauda Block of Sambalpur District of Odisha	Moumita Das	Dr. C.R.Mohanty
4	Effects of Bank Filtration on Removal of Pollutants.	Amit Kumar Dakua	Dr. R.R.Dash and Mr. R.L.Sahu
5	Study of Water Quality By Using Dual Media Filter	Subhasree Samantaray	Dr.C.R.Mohanty
6	Ambient Air Quality Monitoring Inside The VSSUT Burla Campus	Sarmistha Bhutia	Dr. C.R.Mohanty & Mr.P.Nayak
7	Study on Soil Health Quality Monitoring of Sambalpur, Odisha	Dipti Prakash Rout	Dr. C.R.Mohanty & Mr.P.Nayak

DEPARTMENT OF CIVIL ENGINEERING, VSSUT BURLA**M.TECH IN TRANSPORTATION ENGINEERING, PROJECT -MAY 2017**

SL. No	Project Title	Name of Student	Name of Supervisor(s)
1	Effect on Fracture toughness of different asphalt Mixes	Subhada Nayak	Mrs. J.Ojha
2	Use of Recycled Concrete Aggregate in Previous Concrete Pavements	Subhalipsa Pradhan	Mr. A.K.Naik
3	Use of Supplementary Cementitious Materials Pervious Concrete Pavements	Aparajita Jena	Mr. A.K.Naik
4	Characterization of Bituminous Concrete Using Fly Ash as Filler	Yagnyadatta Dash	Mrs. Sudhira Rath
5	Study on sustainable Materials	Sushree Sangita Mohapatra	Mr. A.K.Naik
6	An Experimental Study on the Utilization of marble dust as a substitute for conventional filler in bituminous concrete	Chinmayee Mohapatra	Mrs. Sudhira Rath
7	Study on characteristic of bituminous concrete using Rice husk Ash as filler	Deepika Bisi	Mrs. Sudhira Rath
8	Study on warm mix Asphalt Mixtures using synthetic zeolite as an additive	Ashish Kumar Senapati	Mrs. J.Ojha
9	Use of waste PET as Bitumen modifier in an Asphalt Mix	Manisha Bhanjadeo	Mrs. J.Ojha
10	Effect of parking policy on public Transportation Patronage	Rupesh kumar Patra	Prof. S.S. Das
11	Effect of soft policy measures on public transportation ridership	Alok kumar mohanty	Prof. S.S. Das
12	Characterisation of hot mix asphalt using Crumb rubber and recycled concrete aggregate	Sandeep kumar Das	Prof. S.S. Das

M.TECH PROJECT IN WATER RESOURCES ENGINEERING (MAY 2017)				
Sl. No.	Name	Registration No.	Thesis Title	Guide Name
1	Subhasmita Dash	15040085	Numerical Modeling and Sensitivity Analysis of Contaminant Transport through Porous Media for Single and Multi-Species	Prof.P.K.DAS
2	Arnab Das	15040081	Frequency analysis of flood parameters through copula approach	Prof.P.K.DAS
3	M.Uma Maheswar Rao	15040098	Modeling of Climate Change through Time Series Analysis-A case study of Eastern Part of India	Prof.P.K.DAS
4	Mangalashrita Parida	15040084	Optimal Management of Hirakud Reservoir using Meta-heuristic Algorithms	Prof.P.C.SWAIN
5	Rajesh Kumar Sahu	15040089	Study of Flow Characteristics in Irrigation Canals using Acoustic Doppler Velocimeter	Prof.P.C.SWAIN
6	Manisha Mariyam	15040088	Flood Forecasting on Lower Mahanadi Basin using Artificial Neural Network	Prof.P.C.SWAIN
7	Avinash Padhy	15040083	Derivation of Optimal Cropping Pattern using LINDO, Genetic Algorithm and Particle Swarm Optimization	Prof.P.C.SWAIN
8	Rajashree Acharya-	15040087	Assessment of Sediment Concentration in a Reach of Middle Mahanadi using ArcSWAT	Dr.Janhabi Meher
9	Sumitra Parida-	14040081	Development of ANN Based Flood Simulation Model for Mahanadi River Basin using Various Catchment Characteristics	Dr.Janhabi Meher
10	Akanksha Kumari Patra-	15040095	Application of HEC-RAS Model for Analysis of Sediment Load in a Reach of Upper Mahanadi Basin	Dr.Janhabi Meher
11	Narsingh Seth-	15040094	Flood Warning Map of an Arid Study Area in Odisha using HEC-GEO HMS and GIS	Dr.Janhabi Meher
12	Nilima Barik-	14040088	Drought Risk Assessment and Multiple Drought Indices for Vulnerability Mapping for Mahanadi Basin	Dr.Janhabi Meher

DEPARTMENT OF CIVIL ENGINEERING, VSSUT BURLA**M.TECH IN GEO-TECHNICAL ENGINEERING, PROJECT -MAY 2017**

SL. No	Project Title	Name of Student	Name of Supervisor(s)
1	Effect of Aquifer Soil Properties On Removal Of Turbidity During Bank Filtration	Pragnya Das	Mr. R.L.Sahu
2	Effect of Aquifer Soil Properties On Removal of Heavy Metal During Bank Filtration	Osin Sanghamitra Patel	Mr. R.L.Sahu
3	Stabilization of Soil With Moorum And Marble Slurry	Anu Das	Dr. D.Giri
4	Experimental Study on Strength Characteristics of Soil – Fly Ash Mixture Reinforced with Polypropylene Fibre	Soumya Ranjan Satpathy	Mrs.J.Munda
5	Effect of aquifer soil properties on removal of organic matter during bank filtration.	Mousumee Rout	Mr.R.L.Sahu
6	Stability analysis of the Tehri Dam	Rasmiranjan Samal	Dr.D.Giri
7	Improvement of Geotechnical properties of soil by using crumbed waste tyres	Pragnyashree Choudhary	Dr. D.Giri
8	Bearing capacity Eccentrically loaded circular footing on reinforced sand	Srikalpa Rajguru Mahapatra	Ms. R.R.Sahoo
9	Strength properties of soft soil treated with mixture of carbon fibre and nano-silica	Swati sharita Rout	Ms.R.R.Sahoo
10	Enhancement of soil properties by using redmud and lime	Sujit Kumar Rout	Ms. R.R.Sahoo
11	Effect of waste materials on strength characteristics of local clay	Sangita Ping	Ms. R.R.Sahoo
12	Dynamic response of surface and embedded foundation in layered soil	Monoswi Manini Sahoo	Prof. P.K.Pradhan
13	Stabilization of clayey using sewage sludge ash and nano silica	B.Kirtimayee	Prof. P.K.Pradhan
14	Behaviour of fibre reinforced clayey soil	Jigyansa samal	Prof. P.K.Pradhan
15	Effect of blast furnace slag and glass fibre on the Geotechnical properties of clayey soil	Suprajna Raul	Mrs. Jayanti Munda
16	Utilization of pond ash and pond ash stabilized by RBI grad 81 for road and Embankment construction	Eadala Rakesh Ready	Prof. P.K.Pradhan & Prof Pradeep Kumar
17	A study to correlate field and laboratory test results of c-0 Soil	Bandi Harita Reddy	Prof. P.K.Pradhan & Prof Pradeep Kumar