



**DEPARTMENT OF CIVIL ENGINEERING**  
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**STUDENT PROJECTS**

Programme	:	M.Tech.
Specialization	:	Environmental Engineering
Year	:	2017 -19

Sl. No.	Roll No.	Name of the Student	Project Title	Guide
1.	203416002	Vidiyala Sai Sindhu	Modelling and design of optimal water distribution network using Water GEMS	Dr. R. Manjula
2.	203417001	Aathira K O	Polyhydroxyalkanoates synthesis from cassava starch wastewater using sequencing batch reactor	Dr. R. Gandhimathi
3.	203417002	Chittaluri Uday Kumar	Organic acid-enhanced chitosan hydrogel beads (CHBs) for the removal of heavy metals from wastewater	Dr. R. Gandhimathi
4.	203417003	Gargi S	Assessment of water quality in Uppanar river using SWAT model	Dr. R. Manjula
5.	203417004	Injeti Ratan Reddy	Enhanced landfill mining: a case study on sampling, processing and characterization of fine fraction of legacy waste towards zero waste management	Dr. S.T. Ramesh
6.	203417005	Jasna R S	An integrated electrochemical-adsorption system for removal of nitrate from water	Dr. R. Gandhimathi
7.	203417006	Jethin K. J.	Study on impact of land-use changes on surface run-off modelling in lower Thamirabarani sub-basin	Dr. R. Manjula
8.	203417008	Manisha Malik	A comparative study of the barrier properties of starch and gelatin based nanocomposite films modified by nanocellulose, glycerol and chitosan	Dr. S. Jayalekshmi
9.	203417010	Valeti Srikanth	Evaluation of different binders and factors influencing strength and durability of biomass briquettes	Dr. S.T. Ramesh
10.	203417011	Rahul Kumar	Modeling of domestic scale electrodialysis system for desalination of brackish water	Dr. R. Gandhimathi
11.	203417013	Subhash Kumar Sharma	Intensified photocatalytic rebatement of CO <sub>2</sub> to methanol proving CdS nanoparticle on porous anodic alumina backing	Dr. S.T. Ramesh

12.	203417015	Sunil Chouhan	Treatment of petroleum refinery effluent containing organic compounds by electro-Fenton process in laboratory scale batch reactor	Dr. R. Manjula
13.	203417016	Merin Susanna James	Performance evaluation of electrolysis integrated horizontal subsurface flow constructed wetland for the removal of nitrogen and phosphorous from wastewater	Dr. S.T. Ramesh
14.	203417017	Akhil V. S	Geo-environmental assessment of urban flooding for Cuddalore using Hec-HMS and Hec-RAS	Dr. S. Saravanan
15.	203417018	Vishnu Prasad R	Assessment of air quality in Kanjikode industrial area	Dr. S. Saravanan
16.	203417019	Meshram Mohit Murlidhar	Modeling of forest fire and burned area mapping of Mudumalai tiger reserve in Tamil Nadu using GIS and multi-criteria analysis	Dr. S. Saravanan
17.	203417020	Manirajan B.	The effect of dewatering methodologies on the nutritional capacity of food waste	Dr. Jeevan Joseph
18.	203417021	Dhivyalakshmi Jayabal	Integration of photoelectrocatalytic and biological degradation for the treatment of pharmaceutical compound	Dr. S.T. Ramesh
19.	203417022	Lekshmi V Prakash	Comparison of Fenton and ultrasonic assisted Fenton process for the removal of Acid Blue 15 dye from aqueous solution using green synthesised magnetite nanoparticles	Dr. R. Gandhimathi
20.	203417023	Nalam N V D L H S S Aruna Lakshmi Susmitha	Phosphorus extraction from wastewater through crystallization by magnesium ammonium phosphate (struvite)	Dr. S.T. Ramesh
21.	203417024	Narnepati Krishna Chaitanya	Removal of heavy metal ions from industrial wastewater using pectin extracted from agricultural waste material	Dr. R. Gandhimathi
22.	203417025	Aruna P	Study on gas adsorption characteristics of natural & modified clinoptilolite	Dr. Jeevan Joseph