

## B.E. CIVIL ENGINEERING

The Civil Engineering Department was started in the year 2009 with an intake of 60 students. The intake was then increased to 120 students in the year 2014. The department has an eminent faculty team with specialization in Structural Engineering, Geotechnical Engineering, Environmental Engineering, Irrigation and Water resources Engineering, Construction Engineering & Management and Transportation Engineering. Our students have excelled in the Anna University exams and are securing University ranks every year.

The department is well equipped with the state of the art laboratories like Survey lab which has Total station, Digital theodolite and GPS. The Soil Mechanics lab is equipped with Triaxial testing machine, Unconfined compression testing machine and consolidation testing facilities. We have a Concrete Technology lab with all facilities to test the material characteristics of Building materials and Bitumen. The strength of Materials lab is equipped with a 40 Ton UTM. We have a well equipped Fluid Mechanics Lab with prototypes of turbines, pumps, and flow measuring equipments. The Environmental engineering lab has been modernized with digital equipments for testing water and wastewater quality. We have established a "Sustainable Construction Materials Research Laboratory" with a funding from DST and DRDO which has advanced equipments like RCPT, Optical microscope, Accelerated curing chambers and Concrete Durability testing equipments.

### IN-PLANT TRAINING

Our students have undergone in-plant training at L & T construction, Public Works Department, Metro Rail, Ramco cements & salem grinding plant, Ultracon structural system, Department of atomic energy township - Anupuram, and Integral Coach Factory. Students have also attended internship at IIT madras and IIT Bombay.

### RANKS/PRIZES/AWARDS

Civil Engineering students are consistently securing Anna University ranks in all batches. They have won prizes in various competitions like Bridge Design, Autocad contest, Model making competition, Technical paper presentation, Online Photography, Technical Quiz and Oratorical contest.

Dr. S. Geetha, Professor of Civil Department has obtained the young Scientist research project from DST- SERB. She has been awarded the "Outstanding scientist" for her contribution towards research, sponsored by Venus International foundation for Research Association (VIFRA)

### INDUSTRIAL VISITS AND WORKSHOPS

The students are exposed to real time construction activities. The students are taken for regular Industrial Visits to various construction sites, water treatment plants, Chennai Port Trust and Research Laboratories like Structural Engineering Research Centre (CSIR-SERC), CLRI, IIT Madras Labs, Highway Research Station and Hydrological Research Station to update themselves with the research activities taking place in various civil engineering fields. We encourage the students to carry out their Final year Projects in construction companies and Research Laboratories. We also arrange regular Guest lectures for our students by Experts from Construction Industry as well as eminent Professors from foreign universities, SERC and IIT Madras. We also conduct training programmes to train the students in Software skills like CADD, BIM, Revit Architecture, Staad, ETABS, ANSYS and MS project.

### SCOPE FOR HIGHER EDUCATION

There are a number of technical specializations within the realm of Civil Engineering for students in which they can pursue their higher studies. The various fields of Civil Engineering specialisations include Structural Engineering, Geotechnical Engineering, Environmental Engineering, Water resources Engineering, Irrigation Management, Earthquake Engineering, Remote Sensing & GIS, Construction Management & Technology and Coastal Engineering.

Our students are regularly qualifying in GATE, GRE and TOEFL exams and are pursuing their higher studies in top universities in India and abroad

SL.NO.	BATCH	STUDENT NAME	SPECIALIZATION	TOP UNIVERSITY
1.	2009 -2013	Aishwarya Thiruvengadam	M.S. - Construction Management	University of Sheffield, United kingdom
2.	2009 -2013	Manu. T	M.S. - Environmental Management	AUT University, New Zealand
3.	2010-2014	Nivetha. S	M.S. - Earthquake Engineering	University of Canterbury, New Zealand
4.	2010-2014	Muthuraman. A	M.S. - Earthquake Engineering	University of Canterbury, New Zealand
5.	2012-2016	Sindhoora. K	M.S. - Transport and Planning	Delft university of Technology, Netherlands.
6.	2012-2016	Sanjena. N D	M.S. - Environmental Engineering	Tsinghua University, China
7.	2012-2016	Harish. S	M.S. - Ocean Engineering	IIT Madras

### MAJOR LAB EQUIPMENTS

Total Station, Optical Microscope, Rapid chloride Penetration Testing Apparatus, Concrete impermeability Apparatus, Elcometer for Corrosion Testing, COD analyser, Leaf spring testing Machine.

### ALUMNI SPEAK

#### ALUMNI PURSUING M.S., ENVIRONMENTAL ENGINEERING AT TSINGHUA UNIVERSITY, CHINA SPEAKS:

**N.D.SANJENA, ROLL NO: 201228038, BATCH: 2012 TO 2016**

My experience in Rajalakshmi Engineering College has been truly life changing and inspiring. I can definitely credit my college for metamorphosing the ambitious youngster I was into the holistic self competent professional I regard myself to be, today. In a world which promises to quench your thirst, REC makes you grow your thirst for knowledge. The outstanding attribute of REC is that there is room and scope for every individual to grow and develop in whatever he/she may have as passion for, apart from the mainstream academics. I have personally been a part of several clubs of the college, and events which brought out the team player in me. Also the entire management working is untiringly for the welfare of the student community which is evident from the great care they take in the minutest of details. The concern and involvement they show is beyond what their duties demand. Therefore I feel completely blessed to have spent four fruitful years in REC and would like to congratulate the future batches for their wonderful choice of college, and to make a difference in this world, which definitely needs us.

