NEW HORIZON
COLLEGE OF ENGINEERING
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

EVENT NAME: INDUSTRIAL VISIT

Event name:	Industrial visit
Date:	03-11-18
Beneficiary	VII Semster students
Report	The department of Civil Engineering had organized Water treatment plant visit for the students of 7 th semester. This treatment plant is located in Thoraikadanahalli and is the biggest treatment plant supplying water to Bangalore. It is a 550 MLD treatment plant with aeration, coagulation, Air Floatation, filtration and pre and post chlorination processes. Students were able to see all the active processes and understood the concepts well. Students were accompanied by faculty members Prof. Jagadeesh C B and Dr. Geetha Varma V.
Photos	 

	

EVENT NAME: GUEST LECTURE

Event name:	Guest lectue
Date:	15-11-18
Beneficiary	III rd Semester students
Report	Guest lecture was conducted by Mr. Rajanikanth B Prabhu, Construction Engineer, STUP Consultancy. He dealt on the topic "Mechanics of fluids-Laminar and turbulent flow". He is having experience in flow related water treatment plants. Different types of flow happening in channels were discussed with the help of presentations. The students were able to gain vast knowledge on flow and related details.
Photos	

EVENT NAME: GUEST LECTURE

Event name:	Guest lectue
Date:	17-11-18
Beneficiary	V th Semester students
Report	A guest lecture on "Shear Strength of soil" from the subject Basics of Geotechnical Engineering (CIV55) was organized for 5th semester students on 15/11/2018. This seminar was conducted by Mr. Chikkanna.T, Deputy Technical Manager (NABL), Sarathy geotech & Engineering Services Pvt.Ltd, Bangalore. Expert enlightened the students regarding the importance of study of shear strength of soils in the field of Geotechnical Engineering and the following objectives were discussed with the students: ▪ How to *determine the shear strength* of soils ▪ Different types of shear failures & their mechanism. ▪ Mohr coloumb failure theory ▪ Types of shear tests like UCC, Triaxial shear test, Direct shear test & Vane shear tests. ▪ Different drainage conditions under which the laboratory tests are conducted. ▪ Understands the differences between *drained* and *undrained* shear strength ▪ Determine the *type of shear test* that best simulates field conditions ▪ How to interpret *laboratory and field test results* to obtain shear strength parameters. ▪ Importance of Shear Strength for *geotechnical engineering application* ▪ Liquefaction of soils.

Photos