



SRM VALLIAMMAI ENGINEERING COLLEGE
(An Autonomous Institution)
S.R.M. Nagar, Kattankulathur - 603 203.



DEPARTMENT OF CIVIL ENGINEERING



Survey Lab

ACADEMIC YEAR 2021- 2022

(ODD Semester)

1903307 - SURVEYING LABORATORY

(REGULATION 2019)

LAB INSTRUCTION MANUAL

Civil Engineering Surveying Lab Manual

Ralphord R. Hight, V. G. Tracey



Civil Engineering Surveying Lab Manual:

Lab Manuals ,2022-12-28 This laboratory manual is designed to acquaint the student with essential civil engineering experimentation works and various tests to be carried out on and offsite which is required by every civil engineer when he or she enters in a professional set up This lab manual covers various subjects like Mechanics of Solids in which compressive flexure and tensile strength testing is done Engineering Geology where geological properties important from civil engineering point of view are studied Building Material and Concrete Technology lab where testing of material is done Fluid Mechanics lab which is designed to examine the types and various parameters of fluid flow Applied Hydraulics lab where students study on the models of hydraulic machinery Surveying lab where students get to know about field surveying like chain and compass survey Theodolite Survey and Total Station Survey Transportation lab where bitumen and testing of aggregates used for road work construction is done Geotechnical lab where properties and the strength parameters of the soil are studied Environmental lab where the quality of water and waste water is checked various tests on solid waste samples are done and noise levels at various places are checked Each experiment starts with objectives to be achieved the experimental set up and the materials that are needed to perform the experiment and a stepwise procedure for conducting the experiment and a set of MCQ s at the end The students will note down their observations measurements and or calculations on the Results Sheets provided at the end of the experiment [Engineering Surveying Laboratory Manual](#)

Robert Hamilton,George Murgel,2014-08-26 **Laboratory Manual for Surveying I** Phillip G. Manke,David M. MacAlpine,1966 **Surveying and Land Information Systems** ,2000 **Pamphlets on Forestry in Washington** ,1908
Guide to Technical Documents Naval Civil Engineering Laboratory (Port Hueneme, Calif.),1974 **Catalogue Number**
University of Washington,1913 [Catalogue](#) , *Civil Engineering Report* University of Michigan. Dept. of Civil Engineering,1949 **Laboratory Manual for Construction Surveying** Ralphord R. Hight,V. G. Tracey,1974

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