



**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 Surveying Lab Manual

**John L. Andriot, Donna Andriot**



## Civil 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

**Surveying and Land Information Systems** ,2000 Catalogue Number University of Washington,1913 **Federal Civil Defense Guide** United States. Office of Civil Defense, **Revised Laboratory Manual for Surveying I** Phillip G. Manke,David M. MacAlpine,1966 **Engineering Surveying Laboratory Manual** Robert Hamilton,George Murgel,2014-08-26 *Surveying Manual Designed for the Use of First-year Students in Surveying and Especially for the Use of Non-civil Engineering Students* Howard Chapin Ives,1914 Pamphlets on Forestry in Washington ,1908 *Civil Engineering Report* University of Michigan. Dept. of Civil Engineering,1949 *Catalogue* , **Host Bibliographic Record for Boundwith Item Barcode 30112100631735 and Others** ,1903 *Guide to U.S. Government Publications* John L. Andriot,Donna Andriot,1997 **Collier's Encyclopedia** ,1967 *Catalogue* Ohio State University,1905 *General Catalog* Iowa State University,1911 *Resources in Education* ,1998 Courses of Instruction, Buildings and Equipment Ohio State University. College of Engineering,1905 *Manual of the Public Instruction Acts and Regulations of the Council of Public Instruction of Nova Scotia* Nova Scotia,1911 **Report** South Dakota. Department of Public Instruction,1906 Reports for 1892 94 1896 98 include Proceedings of the South Dakota Educational Association **General Catalog** University of Colorado (Boulder campus),1954

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