

Bathula Bhanu Prakash

Roll No.: CE25S006

M.S. - Building Technology, Construction Materials and Management

Indian Institute of Technology, Madras

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.S. - BTCM	Indian Institute of Technology, Madras	0.00 (Current)	2025-Present
B.Tech(Major) - Civil Engg.	SR Gudlavalleru Engineering College	8.82	2020-2024
B.Tech(Minor) - IT	SR Gudlavalleru Engineering College	8.0	2022-2024
Higher Secondary	BIEAP	9.61	2020
Secondary	BSEAP	10	2018

Projects

- Permissible Limit of Chlorides in Mixing Water for Cement Mortar** *Feb. 2024 - Apr. 2024*
Dr. G. Reddy Babu/ B.Tech. Project/ Concrete Technology Report
– Analyzed the effects of varying concentrations of sodium, magnesium and potassium chloride on setting times, compressive and flexural strengths, contributing valuable insights to concrete and cement industry practices.
- Visit and Inspection of a Single-Storey Gated Community Residence** *Sep. 2023 - Oct 2023*
Dr. S. R. K. Reddy/ Internship Project/ Civil Engineering Report
– Acquired practical construction skills, including concrete pouring, drawing reading, safety practices, and site management, during an on-site internship.
- A case study on detailed estimation of a single storey residential building** *2024*
Ms. O. Aparna/ Course Project/ Estimation, Costing and Valuation Report
– Learned quantity estimation and cost analysis for residential building projects. Acquired skills in detailed quantity calculations and budgeting for single-storey designs.

Certifications

- GATE - 2025 (CE):** AIR 5371, Indian Institute of Technology Roorkee, 2025
- GATE - 2025 (ES):** AIR 1111, Indian Institute of Technology Roorkee, 2025
- Operating Systems Fundamental:** *National Programme on Technology Enhanced Learning*, 2023
- The Joy of Computing Python:** *National Programme on Technology Enhanced Learning*, 2023
- Integrated Waste Management for a Smart City :** *NPTEL*, 2023
- Responsive Web Design:** *freeCodeCamp*, 2023
- TCS iON Career Edge-Young Professional:** *TCS iON*, 2023

Skills

- Core Skills:** Building Information Modelling (Fundamentals), CPM and PERT Analysis, Quantity Estimation, Construction Project Management, Financial Analysis
- Civil Engineering Softwares:** AutoCAD 2D, Revit, Primavera, QGIS
- Software and Utilities:** Basics of Python Programming and MySQL, Github, VS Code, MS- Excel, Overleaf (LaTeX), Canva

Key Courses Taken

- NPTEL Swayam Courses:** Fundamentals of Operating Systems, The Joy of Computing using Python, Integrated Waste Management for a Smart City
- Major Civil Engineering Courses:** Environmental Engineering, Transportation Engineering, Fluid Mechanics, Structural Analysis, Strength of Materials, Geotechnical Engineering, Geomatics Engineering, Water Resource Engineering, Construction Materials, Engineering Mathematics
- Minor/Additional Courses:** Fundamentals of Database Management Systems, Object Oriented Software Engineering, Web Technologies, MERN Stack

Positions of Responsibility

- Secretary,** Indian Geotechnical Society Student Chapter, SRGEC *2023 - 2024*
- Team Leader,** B.Tech Project, SRGEC *2024*

Achievements

- AIR 5371 (CE),** GATE 2025, IIT Roorkee *2025*
- AIR 1111 (ES),** GATE 2025, IIT Roorkee *2025*
- Academic Branch Topper,** B.Tech Semester End Exams, SRGEC *2024*