

Laboratory Name : Project Laboratory

Laboratory In-charge : Dr.N.Sridhar

Technical supporting staff : Mr.C.Mohandas



Figure 7.5. a Project Laboratory

Area of the Laboratory 68.96 m²

Objectives:

- To apply Practical Knowledge
- To Foster Innovation and Creativity
- To Enhance Collaboration and Teamwork
- To Develop Problem-Solving Skills
- To Encourage Entrepreneurship
- To Promote Ethical and Sustainable Practices

Description

The **Civil Engineering Project Laboratory** is a hands-on, practical learning environment where students and researchers apply theoretical knowledge to real-world civil engineering challenges. This lab focuses on designing, analyzing, and constructing solutions for infrastructure, environmental, and structural problems. It integrates principles of structural engineering, geotechnical engineering, transportation, water resources, and construction management. Students work on projects such as designing bridges, analyzing soil stability, planning transportation systems, developing sustainable construction materials, or managing construction projects. The laboratory also encourages interdisciplinary collaboration, innovation, and sustainability, preparing students for professional practice or advanced research in civil engineering

Equipment details:

S. N.	Name of the Equipment	Quantity
1.	Electronic weighing balance	1
2.	Concrete Mixing Tray	1
3.	Brick Mould	2
4.	Paver Block Mould	2
5.	Hollow block mould	2
6.	Self Compacting Concrete	1
	V-funnel	1
	L-box	1
	SCC Slump	1
7.	Standard proctor compaction Equipment	2

Funded Projects:

Table No.7.5.3: Details of funded projects

S. No.	Name of the Students	Title of the Project	Name of the Guide	Academic Year	Funded Agency/Scheme	Amount Sanctioned in Rs.
1	Logesh R Uthayakumaran M Yogeshwaran V	Eco Friendly paint made from agricultural waste (Best Academic Hackathon Award)	Dr.S.Kavipriya, Prof./Civil	2023-2024	EDII-TN, Tamilnadu Student Innovation 2023 (TNSI)	1,00,000/-
2	Madhesh P Logesh R Chittesh R Kathiravan S	A Novel method of Developing Eco-friendly concrete blocks using melted	Dr.S.Kavipriya, Prof./Civil	2023-2024	Tamilnadu State Council for Science and Technology	7,500/-

		polymer and quarry sand (MEPCON)				
3	Jeevitha M Kamalini V Kokila K	Interlinking of local water bodies in the villages of Thethakkudi, Mayiladuthurai District, Tamilnadu, India	Dr.N.Sridhar, AP/Civil	2023-2024	Centre for Sponsored Research and Consultancy, Anna University. (Niral Thiruvizha)	10,000/-
4	Dinesh V Vishnu K Swathi S	Hydroponics (Project Expo-BUILDATHON 2K24)	Mrs.M.P.Iniya	2023-2024	Builders Association of India, Namakkal	10,000/-
5	Aditiya S Ajithkumar S Ragul M	Sky Train(Project Expo-BUILDATHON 2K24)	Mr.S.Southamiraj an AP/Civil	2023-2024	Builders Association of India, Namakkal	7,500/-
6	Divash K Susirajamurugan M Kamalesh T	Smart Bridge (Project Expo-BUILDATHON 2K24)	Dr.R.Saravanan, ASP/Civil	2023-2024	Builders Association of India, Namakkal	5,000/-
7	Ramkumar V Muthu S Vetrislevan M Manojkumar S	Building Products using Kota Stone cutting and Slurry Waste	Mr.D.Dhavashan karan, AP/Civil	2022-2023	Tamilnadu State Council for Science and Technology	7,500/-
8	Gokulraj M Meghna A Dhanaushiya A Keerthivasan M	Experimental Study on Floating Concrete	Mrs.K.Anbarasi AP/Civil	2021-2022	Tamilnadu State Council for Science and Technology	7,500/-
9	Gokulraj M Meghna A Dhanaushiya A Keerthivasan M	Experimental Study on Floating Concrete	Mrs.K.Anbarasi AP/Civil	2021-2022	State level Student Projects, Seminar cum Exhibition, Excel Engineering College, Komarapalayam	Best Model