

Department of Civil Engineering

Research and Development

The department is comprised of a team of qualified and highly experienced faculty members who have published numerous articles in SCI and Scopus-indexed journals, as well as Indian and international patent applications, in the advancing field of Science and Technology.

They also support the social and academic growth of the department by organizing and participating in campaigns and events that hold social significance.

The diverse field of Civil Engineering allows for research and consultancy in areas such as innovative sustainable construction materials, geopolymer concrete, pervious pavement materials, recycled aggregates, bacterial concrete, and basalt fiber concrete. The department is equipped with both basic and advanced laboratory facilities, which were developed through funding from five external and one internal project sponsored by DST, SERB, AICTE, and K.S.R. College of Engineering.

A. RESEARCH PROJECT (Faculty)

Sl. No	Name of the Coordinator (s) & Department	Name of the Organization / Agencies	Scheme	Title of the Project	Sanctioned* Details (Letter No. & Date)	Amount Sanctioned (Rs)	Status	UC (Letter No. & Date)
2011-2012								
3.	Dr.V.Revathi/Civil	DST-SERB	Research Project	Development and characterization of bottom ash – blast furnace slag geopolymers and its use in interlocking paver block	SR/S3/MERC-0045/2011 DT.12.06.2012	16,00,000	Completed	
4.	Dr.S.SenthilKumar /Civil	DST-SERB	Research Project	Effective utilization of sludge from textile and paper industry effluent treatment plant as construction material	SR/FTP/ETA-99/2011 DT.15.05.12	14,90,000	Completed	
2012-2013								
5.	Dr.T.Palanisamy/Civil	AICTE	RPS	Production of innovative low-cost construction materials by means of optimum particle packing technology via earth moist concrete	20/AICTE/RIFD/RPS(POLICY-III)44/2012-13 DT.13.12.2013	3,46,800	Completed	
8.	Dr.T.Palanisamy/Civil	MoES	Project	Development of Eco-friendly Natural Basalt Rock Fiber Concrete Composites (NBRFC) for Earthquake Resistant Structures	No.439/Secy/14 dated14.08.2014	18,65,758	Completed	
2020-2021								
12.	Dr.S.SenthilKumar/Civil	TNSCST	S & T Project	Development of an innovative sustainable concrete matrix by infusion of eggshell powder into the cement mantle	TNSCST/STP/ET-04/2019-20 dated 29.03.2021	1,75,000	Ongoing	
Total						54,77,558		

B.RESEARCH PROJECT (Students)

Sl. No	Name of the Coordinator (s) & Department	Name of the Organization / Agencies	Scheme	Title of the Project	Sanctioned* Details (Letter No. & Date)	Amount sanctioned (Rs)	Status	UC (Letter No. & Date)
2009-2010								
1.	N.MuraliMohan/ Civil	TNSCST	Student Project Scheme	Environmental friendly treatment for waste water effluent using natural coagulant–Moringa Oleifera	LT.NO.TNSCST/SPS/AR/2009-10 Dated : 25.02.2010	6,000	Completed	
2011-2012								
2.	Dr.T.Palanisamy/ Civil	TNSCST	Student Project Scheme	Development of natural fibre composite wall panel for rural housing	LT.NO.TNSCST/SPS/AR/2011-12 DT.13.02.2012	6000	Completed	
2012-2013								
3.	Dr.T.Palanisamy/ Civil	TNSCST	Student Project Scheme	Development and performance evaluation of low cost agro based natural competitive Door panel	LT.NO.TNSCST/SPS/AR/2012-13 DT.15.05.2013	6000	Completed	
Total						18,000		

2. MODROBS

S.No	Name of the Coordinator (s) & Department	Name of the Organization / Agencies	Scheme	Title of the Project	Sanctioned* Details (Letter No. & Date)	Amount sanctioned (Rs)	Status	UC (Letter No. & Date)
2009-2010								
1	Dr.K.L.Muthuramu/Civil &Dr.V.Revathi/Civil	AICTE	MODROBS	Modernization of Strength of Materials Laboratory	Ref.No.:8024/RID/BOR/MOD-409/9/10 Dt.21.12.2009	10,00,000	Completed	
2011-2012								
2	Dr.V.Revathi/Civil	AICTE	MODROBS	Modernization of Concrete Laboratory	Ref.No: 8024/RIFD/MOD-135(pvt.)/Policy-III/2011-2012 dt.06.03.2012	15,00,000	Completed	
Total						25,00,000		