



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING



DETAILS OF RESEARCH AND DEVELOPMENT PROJECTS

RESEARCH FUND SANCTIONED LAST 6 YEARS RS. 76.1 LACS

Sl.No	Title of Project / Research	Name of the Coordinator / Principal Investigator	Name of the Co-PIs, Designation and Institution	Sanctioned Year	Duration	Grant – in – aid Sanctioned (Rs. In Lacs.)	Details of Sponsoring Agency / Schemes	Status (Ongoing / Completed)
1.	Development of Autonomous tool for detecting bolt loosening in Steel Structures using Machine Vision and Deep Learning.	Dr.A Mallika.	Dr. G Ramesh Chandra	2023 -24	3 Years	25.6	SERB, SURE program, File No: SUR/2022/004 351	Ongoing
Total Funding amount						25.6		
2.	Investigating Self-Healing Capability and Performance of HMA Mixes Containing Steel Slag As Aggregates	Dr. G Pradeep Kumar, CED, NIT Meghalaya	Dr. A Ramesh, CED, VNR VJIET	2022-23	3 Years	41.62 (35.31 NIT M and 6.31 VNR VJIET)	CRG, SERB, CRG/2022/008 018 Dt: 24.02.2023	Ongoing
Total Funding amount						6.31		
3.	Estimation and Tracking of Subsurface Groundwater Discharge (SGD) along coastal stretches of Andhra Pradesh and Tamil Nadu, based on understanding (and	Dr. K.Ravi Kumar	--	2020 -21	3 years	17.1	ISRO/RESPO ND, Govt of India (Team Agreement for Research Project' with PRIST	Ongoing



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	modelling) of the coastal aquifer hydrodynamics						University, Thanjavur) ISRO/RES/4/ 684/19-20	
Total Funding amount						17.10		
4.	Instrumentation for Determination of Thermal Conductivity for Geo-Materials (Soil-Rock-Concrete)	Dr.Kadali Srinivas	Dr.M.R.Madhav , CED JNTUH Dr.P.V.S.N. Pavan Kumar, GNIT	2019 -20	3 Years	3.0	Collaborative Research Scheme, TEQIP-II, JNTUH. Procs No. JNTUH /TEQIP-III/ CRS/2019/Civi 1/05, Dt: 22/07/2019.	Completed
5.	Studies on Mechanical and Durability characteristics of Low Carbon Limestone Calcined Clay Cement (LC3)	Dr.B.D.V. Chandra Mohan Rao	Dr. Maganti Janardhana CED JNTU H Dr. P. Swamy Naga Ratna Giri CED SCCE	2019 -20	3 Years	3.0	Collaborative Research Scheme, TEQIP-II, JNTUH. Procs No. JNTUH /TEQIP-III/CRS/2019/ Civil/02, Date 22/07/2019.	Completed

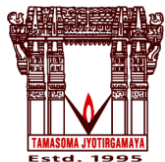


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6.	Studies on High Performance Self-Compacting Concretes with Ternary Blended Cements containing Graphene oxide and Nano-Titanium Oxide	Dr. R. Durga Prasad	Dr. Maganti Janardhana JNTU H Dr. M. Sri Rama Chand Sree Chaitanya	2019 -20	3 Years	3.0	Collaborative Research Scheme, TEQIP-II, JNTUH. Procs No. JNTUH/ TEQIP-III/ CRS/2019/Civil /06 Date 22/07/2019	Completed
7.	Assessment of Warm Mix Asphalt (WMA) with partial replacement of RA and inclusion of Nano material	Dr. A. Ramesh	Dr. V. Venkat Ramayya CED Mahatma Gandhi Institute of Technology.	2019 -20	3 Years	2.99	Collaborative Research Scheme, TEQIP-II, JNTUH. Procs No. JNTUH/TEQIP-III/CRS/2019/Civil/04, Date:22/07/19	Completed
Total funding amount						11.99		



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8.	Geophysical investigation to find the potential ground water recharges sites to provide drinking water to the community of Pragathi Nagar, Hyd.	Dr.K.Ravi Kumar	Dr.Kadali Srinivas,	2018 -19	18 Months	1.0	Awareness in Action, an NGO's Organization in Hyderabad.	Completed
9.	Development of an Indigenous low cost / light weight deflectometer for Structural Evaluation of Pavement.	Dr. A. Ramesh	Dr. Ch. Nageshwar Rao	2018 - 19	3 Years	14.10	DST, DST/TDT/DDP-12/2018, Dt: 11.04.2019.	Completed
Total funding amount						15.10		