



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

(Established by Govt. of A.P., Act.No.30 of 2008)

(Accredited by NAAC with "A" Grade)

Ananthapuramu- 515002, Andhra Pradesh, INDIA

RESEARCH PROJECTS

Sl. No.	Name of the principal investigator	Department	Title of the project	Year of sanction	Sanctioned amount	Funding agency	Status of the project	Website Links
1.	Dr.B.Eswar Reddy	CSE	Cloud computing framework for rural health-care in Indian scenario	June 2011	10,66,200	UGC	Completed	https://drive.google.com/file/d/17Kf52JY66txg2cebz00Cc5248k6-RYk0/view?usp=sharing
2.	Dr.B.Chandra mohan reddy	Mechanical	Ultrasonic impact treatment of Ti6Al4V Welds of Gas Turbine modules for fatigue life enhancement	April 2012	18,57,800	DRDO	Completed	https://drive.google.com/file/d/1TZB7Vsg61Px2IXReAaZZtRnYlkEF-kQ4/view?usp=sharing
3.	Dr.R.Padma Suvarna	Physics	Synthesis and characterization of conducting nano polymers for the fabrication of lithium batteries	March 2013	9,66,800	UGC	Completed	https://drive.google.com/file/d/1LPeMAf83IixHNDjF2UNO6LSzOk5wzKM9/view?usp=sharing
4.	Dr.K. Jayalakshmi	Mathematics	Characterization of (-1, 1) nonassociative rings	March 2013	9,77,800	UGC	Completed	https://drive.google.com/file/d/1Q3-ixogRcWO24hLOo1YxVybXImWnMKSK/view?usp=sharing

5.	Dr.D.Zarena	Physics	Structure and function of novel antimicrobial peptides by biophysical and spectroscopic techniques	October 2013	44,75,000	DST	Completed	https://drive.google.com/file/d/1ZtdFvf3ZgdSczQCefNfqf2hfeeBNs4sA/view?usp=sharing
6.	Prof.Hemachandra Reddy	Mechanical Engineering		2014	17,97,000	DST	Completed	
7.	Dr.D.Zarena	Physics	Characterization of C.Monile MO1692 peptide:structural and functional studies	June 2014	5,40,000	UGC	Completed	https://drive.google.com/file/d/1KuABr6_wSHp9T1QRjBAvgT1ii2i3SnI/view?usp=sharing
8.	Prof.S.V.Satyanarayanan	Chemical Engineering	Spacial distribution of uranium and associated water quality parameters in ground/drinking water	March 2016	26,94,300	BRNS	Completed	https://drive.google.com/file/d/139rMm6ibW1-CzkZDuHGvfYJ6wsTbIdKu/view?usp=sharing
9.	Dr.A.P.Siva Kumar	CSE	Audio vedio file transmission using wavelet based crypto steganography using DES algorithm	October 2016	1,60,000	UGC	Completed	https://drive.google.com/file/d/1LKR4IOZZpA_RcqP3m584wRDCWvI_WgSM/view?usp=sharing
10.	Dr.B.Dilip, Dr.P.Dinesh	Chemical Engineering	Physico chemical studies of TiO ₂ /Fe ₂ O ₃ /ZnO hetero structure assemblies for electro chemical water splitting/dye degradation applications	December 2016	1,20,000	JNTUA (UGC XII plan)	Completed	https://drive.google.com/file/d/1eZffIGSY7kJ25af1VMJNaZy5xcoy8Rt1/view?usp=sharing
11.	Dr.C.Shoba Bindu	CSE	A model for dynamic data integrity verification in cloud	July 2017	90,000	UGC	Completed	https://drive.google.com/file/d/113ZnJaU_boxSsDAZoY187ST3gAeTgdR/view?usp=sharing
12.	Prof.Hemachandra Reddy	Mechanical Engineering	Design and development of solar dish concentrator with	June 2017	55,16,500	DST	Completed	https://drive.google.com/file/d/1mm8Fvs-

			thermal storage options for electricity generation					sueIGjhP5aOxkIaFkS-rYB2Sx/view?usp=sharing
13.	Dr.Dilip Kumar	Chemical Engineering	Physico chemical studies of typeI/II heterostructure assemblies for electro chemical water splitting/dye degradation applications	April 2017	70,000	Institute of Engineers	Completed	https://drive.google.com/file/d/1VgkbFae8WNNOMiZiEGu7I9cGPRg6aiNc/view?usp=sharing
14.	Prof.S.V.Satyanarayan a,Dr.P. Dinesh Shankar Reddy, Dr.B. Dilip Kumar	Chemical Engineering	Synthesis of Nanozeolites and Development of Highly Stable Mixed Matrix Membranes (MMM) for Dehydration of Hydrazine Hydrate via Pervaporation	November 2018	32,78,880	DST	Completed	https://drive.google.com/file/d/1Ji7iUu118foTJ7Ho8vsafuVaYQIABUe/view?usp=sharing
15.	Dr.Dinesh Shankar Reddy, Prof.Hemachandra Reddy ,	Chemical Engineering	Nanoparticle Enhanced Phase Change Material Microcapsules/Fibers for Advanced Energy Storage and Allied Applications	2018	30,35,880	DST	Completed	https://drive.google.com/file/d/1Ob4HBb5Jemt0yhZpVJZ2LWaHNky8L2G3/view?usp=sharing
16.	Dr.G.Mamatha	ECE	Implementation of IoT security solutions for health care monitoring systems	November 2019	21,25,520	DST	Completed	https://drive.google.com/file/d/136TmwsdhCqr8O3fq4bWX_nqOB_rG1h_W3/view?usp=sharing
17.	Dr.A.Saila Kumari	Mathematics	Effect of slip on the steady state	August 2019	1,20,000	UGC	Completed	https://drive.google.com/file/d/1EUD3faP6L_Y01dAce6miZ2rJ-2EVn828/view?usp=sharing
18.	Prof.C.Sashidhar	Civil Engineering	Cost versus seismic performance of reinforced concrete buildings designed for different force/ response reduction factors	November 2019	4,09,803	AICTE	Completed	https://drive.google.com/file/d/1Jrd4ebOEDF4pf7SP0UOtBi0fuzJiRLaZ/view?usp=sharing
19.	Prof.P.Chenna Reddy	CSE	Creating Virtual University Environment	August 2020	11,43,137	AICTE	Completed	https://drive.google.com/file/d/13BFMUASI

								YWFvBDOgZiRU5AHYXedAxBn/view?usp=sharing
20.	Prof.C.Sashidhar	Civil Engineering	Utilisation of natural rubber in road construction	January 2022	1,75,23,000	MoRTH	ONGOING	https://drive.google.com/file/d/1wyoZX7kl6mGnLBnsb7NwK4ScVdW0eCWA/view?usp=sharing
21.	Dr.T.Omprakash	Mechanical Engineering	CFD analysis and experimental validation of heat flow around spherical spheres filled with phase change energy storage materials	February 2023	37,52,232	DST	ONGOING	https://drive.google.com/file/d/1CsN7F_fw mOpjuWAVQKcyQVKmAVPYi5Xz/view?usp=sharing
22.	Dr.Kalyani Radha & Dr.Omprakash	Mechanical Engineering	Rocker Bogie mechanized vehicle for metal obstacle detector and medicine transportor in defence services operated by solar energy	September 2023	11,90,750	DST	ONGOING	https://drive.google.com/file/d/18QmC9n5SrOInBdonhWG3xftRk27D5CGb/view?usp=sharing
23.	Dr. B.Dilip Kumar	Chemical Engineering	Heteroatom doped metal oxide heterostructures and nanocarbons as efficient electro-catalysts for electro-catalytic applications	June 2024 to May 2026	12,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1qJYpPL6AMyGaWi0C3PRwGJLNxjToX7ad/view?usp=sharing
24.	Dr. S.V.Satyanarayana	Chemical Engineering	Synthesis & Characterization of mixed matrix membrances(MMM) for esterification/ Etherification Reactions in pervaporation membrane reactors	June 2024 to May 2026	11,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1quh-E7fsXZVtWBxngHHHudKxiUL-ONpA/view?usp=sharing
25.	Dr. C.Sashidhar	Civil Engineering	Piezo electric resistance performance of iron waste aggregate concrete beef up with glass fibre reinforced	June 2024 to May 2026	11,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1jOZO196xBJ_4W3Ybtm9e0-IsQsOFBwC-

			polymer(GFRP) rebars					/view?usp=sharing
26.	Dr. B.Ajitha	Civil Engineering	Production and evaluation of High strength nano concrete with Al ₂ O ₃ : Nano particles	June 2024 to May 2026	10,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1cBMLzTBGnH5q_nzgQabf32MIDyiajQOS/view?usp=sharing
27.	Dr. Vishnu Vardhan	ECE	A Novel custom SoC design for the implementation of deep learning algorithms in medical imaging	June 2024 to May 2026	11,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1cPFuU95iDQph1YnS1-LtREf89xt3U7nq/view?usp=sharing
28.	Dr. Aruna Mastani	ECE	Optimization of EEG processor architecture for portability, cost effectiveness and suitable for making self-diagnosis for seizure prediction	June 2024 to May 2026	11,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1YrBeKpwupJvK8ZsGInhb57JCXaCmyKbx/view?usp=sharing
29.	Dr. E.Kesava Reddy	Mathematics	IoT and Machine Learning for supporting personal mobility in the elderly	June 2024 to May 2026	10,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1bOo1Z5meMFKp6fnhztTGCiwio7ZA7G9a/view?usp=sharing
30.	Dr. R.Bhuvana Vihaya	Mathematics	Magneto Hydrodynamic Convective Heat and Mass Transfer in a micropolar Fluid	June 2024 to May 2026	10,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1EIjVSZnZr62pKAHaKcVthKo42YNEFcYU/view?usp=sharing
31.	Prof. T.Bala Narasaiah	Chemical Engineering	Printable High Energy Storage Materials for Portable devices based on Nanomaterials	June 2024 to May 2026	10,00,000	RUSA	ONGOING	https://drive.google.com/file/d/1ZxqHePEAiRpvnnLcI8yYZ0Kn6uOIGQPc/view?usp=sharing