JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., Act.No.30 of 2008)
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
1.	Dr.B.Eswar Reddy	CSE	Cloud computing framework for rural health-care in Indian scenario	June 2011	10,66,200	UGC	Completed
2.	Dr.B.Chandra mohan reddy	Mechanical	Ultrasonic impacat treatment of Ti6A14V Welds of Gas Turbine modules for fatigue life enhancement	April 2012	18,57,800	DRDO	Completed
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
4.	Dr.K. Jayalakshmi	Mathematics	Characterization of (-1, 1) nonassociative rings	March 2013	9,77,800	UGC	Completed
5.	Dr.D.Zarena	Physics	Structure and function of novel antimicrobial peptides by biophysical and spectroscopic techniques	October 2013	44,75,000	DST	Completed
6.	Prof.Hemachandra Reddy	Mechanical Engneering		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
8.	Prof.S.V.Satyanarayana	Chemical Engineering	Spacial distribution of uranium and associated water quality parameters in ground/drinking water	March 2016	26,94,300	BRNS	Completed
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
10.	Dr.B.Dilip, Dr.P.Dinesh	Chemical Engineering	Physico chemical studies of $TiO_2/Fe_2O_3/ZnO$ heterostructure assemblies for electro chemical water splitting/dye degradation applications	December 2016	1,20,000	JNTUA (UGC XII plan)	Completed
11.	Dr.C.Shoba Bindu	CSE	A model for dynamic data integrity verification in cloud	July 2017	90,000	UGC	Completed
12.	Prof.Hemachandra Reddy	Mechanical Engneering	Design and development of solar dish concentrator with thermal storage options for electricity generation	June 2017	55,16,500	DST	Completed
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
14.	Prof.S.V.Satyanarayana, 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

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
16.	Dr.G.Mamatha	ECE	Implementation of IoT security solutions for health care monitoring systems	November 2019	21,25,520	DST	Completed
17.	Dr.A.Saila Kumari	Mathematics	Effect of slip on the steady state	August 2019	1,20,000	UGC	Completed
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
19.	Prof.P.Chenna Reddy	CSE	Creating Virtual University Environment	August 2020	11,43,137	AICTE	Completed
20.	Prof.C.Sashidhar	Civil Engineering	Utilisation of natural rubber in road construction	January 2022	1,75,23,000	MoRTH	**ONGOING**
21.	Dr.T.Omprakash	Mechanical Engneering	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**
22.	Dr.Kalyani Radha & Dr.Omprakash	Mechanical Engneering	Rocker Bogie mechanised vehicle for metal obstacle detector and medicine transportor in defence services operated by solar energy	September 2023	11,90,750	DST	**ONGOING**
23.	Dr.B.Dilip	Chemical Engineering	Hydrogen production via selective seawater electrolysis by use of polymorphic MnO2 structure as diffusion blocking layer and scale up approach.	January 2024	36,00,000	DST	**ONGOING**