



VIGNAN's INSTITUTE OF INFORMATION TECHNOLOGY
(AUTONOMOUS)

(Approved by AICTE - New Delhi & Affiliated to JNTUK, Kakinada)
Beside VSEZ, Duvvada, Vadlapudi Post, Gajuwaka, Visakhapatnam - 530 049.



3.1.2 Institution provides seed money to its teachers for research

Academic Year: 2020-21



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List of faculty who have been provided with seed money for research along with the title of the project, duration and amount during the year 2020-21.

S.No	Name of the teacher provided with seed money	Title	Duration
1	Dr. Kranthi Kumar Gangu	Design and synthesis of nanocarbon impregnated Metal-Organic Framework (MOF) materials for hydrogen storage	1 Year
2	Dr. B. Dhana Lakshmi	Bismuth ferrite, cobalt ferrite and barium titanate (Bi-Co-Ba) based tri-phase multiferroic composites for magnetostrictive torque sensor applications.	1 Year
3	Dr. T Satya Guru	Assessment Of Photocatalytic Efficiency Of Metal (Manganese, Chromium, Yttrium And Dysprosium) / Non-Metal (Boron And Iodine) Codoped Titania On Pesticides And Dyes Degradation, In Presence Of Visible Light	1 Year
4	Dr Subhash Chandra	Development of biomass-based biochar double-hydroxide composite material for the adsorptive removal of Cr (VI) from water and wastewater	1 Year
5	Dr Pritam Hait	Investigation of mechanical properties of ultra-high performance fibre reinforced brick wall	1 Year
6	Dr. Hemanta Kumar Sahu	To design a prototype model which is an intelligent alert system for smart dustbin	1 Year
7	Mrs.Y.Sukanya	For implementation of antennas in Antenna Research Laboratory required set of components like drill bits and substrate materials ,connectors and other consumables	1 Year

8	Dr. Rohan Prasad	Design of high data rate wireless communication system with CSI based precoder at transmitter.	1 Year
9	Dr. Sourav Roy	“Design and Analysis of Wearable body implantable antenna for Defence Application”.	1 Year
10	Dr. K. S. Raghuram	To develop a Polymer Matrix Composite material from the sea shell material of crabs by giving value addition to the waste.	1 Year
11	Dr. Girish E. Bhiogade	Investigations on SCCI Engine using butanol diesel blend	1 Year
12	Dr T Archana Acharya	Digital Transition Through Financial Literacy And Financial Inclusion	1 Year
13	Dr. B Sateesh	Optimization of energy efficiency of Solar PV system for no tracking and single-axis tracking	1 Year
14	Mrs. K.Lakshmi	Design and Development of RF Energy Harvesting System	1 Year
15	Dr.G.Yoganjeynulu	Investigation on turning process performance using hybrid-textured tools under dry and conventional cooling environment	1 Year
16	Dr.N.Tirupathi Rao	An intelligent traffic light controller (TLC) system using iot mode	1 Year
17	Mr.A.Sampath Dakshina Murthy	Clinical model machine learning for gait observation cardiovascular disease diagnosis	1 Year
18	Mr.R.Rudhrabhiramu	Study of Thermal Characteristics Augmentation of the Aluminium Oxide Nano Fluid with Different Base Fluids	1 Year

19	Dr.L.V.Venugopala Rao	Optimal response of half car vehicle model with sky-hook damper using LQR with look ahead preview control	1 Year
20	Mrs.R.Umamaheswari	Optimization of number of base station antennas in downlink massive MIMO and analysis of imperfect channel state information by perfection factor	1 Year
21	Mrs.K.K.Deepika	Enhancement of voltage regulation using a 7-level inverter based electric spring with reduced number of switches	1 Year
22	Dr.T.V.Madhusudhana Rao	Iridology based vital organs malfunctioning identification using machine learning techniques	1 Year
23	Dr.VSV Satyanarayana	Passive suspension optimization of a quarter car using preview control with the spectral decomposition method	1 Year
24	Mr.D.Madhusudhan	High gain switched beam Yagi-Uda antenna for millimeter wave communications	1 Year
25	Dr.M.P.V.V Bhaskar Rao	Kantowski-sachs universe with dark energy fluid and massive scalar field	1 Year
26	Dr.K.Srinivas Naik	V band frequency reconfigurable antenna for millimeter wave applications	1 Year
27	Mrs.Auadathi Datta	A comparative assessment on implementation of human resource development practices impact on employee productivity in public and private banks-an empirical study on banks in India	1 Year
28	Mr.V.Sivaji	A study on public assistance and its impact on women workers for achieving work life balance with reference to it sector	1 Year
29	Mr.Ch.Sekhar	Predictive model for abnormality in blood pressure	1 Year

30	Ms.B.Jyothi	Power quality improvement of wind and solar hybrid energy sources interface to the grid using upqc	1 Year
31	Mr.T.Rajesh	A novel reconfigurable G shaped patch antenna for wireless IoT applications using BAR64-02W PIN diode	1 Year
32	Mr.B.Sominaidu	Construction of small twin reverberation chamber for measurement of sound transmission loss	1 Year
33	Dr.NVS Shankar	A case study of service firm to optimize the cycle time – advanced lean techniques to design plant layout	1 Year
34	Mrs. M.Leela Priyanka	Establishing the need for rural road development using QGIS and its estimation	1 Year
35	Mr.B.Brahmaih	Strength analysis and validation of recycled aggregate concrete	1 Year
36	Mr.K.Srinivas	Experimental analysis on modulus of elasticity of slag based concrete	1 Year
37	Mrs.S.Kranthi Vijaya	Behaviour of M60 grade concrete by partial replacement of cement with fly ash, rice husk ash and silica fume	1 Year
38	Mr.M.Padmakar	Characteristic compressive strength of a geo polymer concrete	1 Year
39	Mrs.G.Himabindu	Performance Analysis of DYMO and LAR in Grid and Random Environments	1 Year
40	Mr.R.Sundar Ramam	Design and Fabrication of Small-Scale Automatic Stamping Machine	1 Year

41	Dr.S.Rambabu	Design and Simulation of Porous Ti-6Al-4V Alloy Structures for Additive Manufacturing of Bioimplants	1 Year
42	Dr.Ch.Gangu Naidu	HPLC Bioassay of Elvitegravir using a Molecularly Imprinted Polymer Based Solid Phase Extraction in RAT Plasma: Application to Pharmacokinetic Studies	1 Year
43	Dr.B.Prasada Rao	Exhaust emission characteristics of a three-wheeler auto diesel engine fueled with pongamia, mahua and jatropha biodiesels	1 Year
44	Dr.R.S.Ravi Shankar	Adaptive hysteresis band current control of grid connected PV inverter	1 Year
45	Dr.R.Hanumantha Rao	Microhardness and SHG efficiency of pure and picric acid-added KDP crystals	1 Year



Principal

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