

**Prasad V. Potluri Siddhartha Institute of Technology
(Autonomous)**

Kanuru, Vijayawada – 520 007

(Affiliated to JNTUK, Accredited by NBA, ISO 9001:2015 Certified Institution)



3.1.2: The institution provides seed money to its teachers for research

c) List of faculty who have been provided with seed money for research along with title of the project duration & amount year wise

PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS)
KANURU, VIJAYAWADA::520007

SEED MONEY

S.No.	Name	Dept.	The amount of seed money	Title of the Project	Year of receiving grant	Duration of the grant	Sanctioned date
2022-23							
1	Dr. V. Jagadish	CIVIL	30,000	Experimental study on cement concrete paver tiles & fly ash based bricks	2023	6 months	09.03.23
2	Dr. K. Shyam Prakash	CIVIL	28,000	Utilization of quarry dust in paving blocks and in concrete	2023	6 months	09.03.23
3	Mrs. K. Prasanthi/	CIVIL	26,000	Experimental investigation on concrete using mineral admixtures and waste plastic in concrete	2023	6 months	09.03.23
4	Mrs. K. Divya	CIVIL	26,000	Experimental investigation on notch effect failure of beams with partial replacement of cement with pumice	2023	6 months	09.03.23
5	Mr. P SaiVenkata Bharath	CIVIL	25,000	Stabilization of expansive soil by using corncob ash & geopolymerisation	2023	6 months	09.03.23
6	Mr. B. Vishnu Vardhan & Mr. D. Lokesh Sai Kumar	CSE	68,000	Remote Stethoscope vest coat	2023	1 Year	20.03.23
7	Dr. C.Subba Rao	ECE	5,000	Ultrasonic Glasses for Blind People	2023	1 year	27.01.2023
8	Dr. K. Ramanjaneyulu	ECE	20,000	Designing FM Receiver Using GNU Radio and RTL-SDR Dongle	2023	1 year	27.01.2023
9	Dr T.Haritha	ECE	15,000	An IoT based Egg incubator monitoring and Controlling system	2023	1 year	27.01.2023
10	Dr. B.Surya Prasad Rao	ECE	15,000	Automatic plant watering system with Arduino	2023	1 year	27.01.2023
11	Dr. Ch.Gangadhar	ECE	15,000	Heart disease monitoring using biomedical signal processing	2023	1 year	27.01.2023

12	Dr.A.Geetha Devi	ECE	20,000	Image Processing in IoT Applications	2023	1 year	27.01.2023
13	Dr.Md. Habibulla	ECE	5,000	LED Matrix Display Clock with Temperature	2023	1 year	27.01.2023
14	Dr.V.S.D. Rekha	ECE	5,000	Fingerprint Sensor Interface with Security Applications	2023	1 year	27.01.2023
15	Dr.J.Ravindra Babu	ECE	5,000	Alcohol Sensing and Engine Locking System	2023	1 year	27.01.2023
16	Mrs. B.Swathi Lakshmi	ECE	4,000	RFID and Face Recognition Based Smart Attendance System	2023	1 year	27.01.2023
17	Mrs. L.Madhavi Devi	ECE	4,000	Smart Digital School Bell with Time Table	2023	1 year	27.01.2023
18	Mrs D.Hareesha	ECE	4,000	Theft Detection and Identification	2023	1 year	27.01.2023
19	Mrs. D.Swathi	ECE	6,000	Smart Water Quality Monitoring System Using IoT	2023	1 year	27.01.2023
20	Mrs.B.V.Subbayamma	ECE	4,000	Automatic Window Blinds	2023	1 year	27.01.2023
21	Ms T.Sushma	ECE	4,000	Remote Controlled Rolling Shutter	2023	1 year	27.01.2023
22	Mr. M Srinivasa Rao	ECE	15,000	ZigBee GSM based automatic meter reading system	2023	1 year	27.01.2023
23	Mrs. K.Anitha	ECE	20,000	Signal Processing Using IoT	2023	1 year	27.01.2023
24	Dr.C.Kumar	EEE	17,000	Design and simulation of automatic sun tracking solar panel using arduino	2023	6 months	09-03-2023
25	Mrs. V Sai Geetha Lakshmi	EEE	11,500	A smart Helmet for increasing the safety in Mining	2023	6 months	09-03-2023
26	Dr.M.V.Ramesh	EEE	27,700	Smart Charging stations for Electric Vehicle through IOT Interface	2023	6 months	09-03-2023
27	Dr.P.Muthukumar	EEE	20,000	FPGA based pwm generation for inverters(Basys 3 artix 7 FPGA Board)	2023	6 months	09-03-2023
28	Mr.P. Karunakar	EEE	15,250	Remotely Operated under water surveillance vehicle	2023	6 months	09-03-2023
29	G. Sreedevi	FED	1,70,214	Development of Nanomaterial synthesis Research lab and studying the properties of Nanomaterials	2023	2 Years	20.02.23

				for suitable applications.			
30	T. Pulla Rao	FED	30,000	Procurement of Equipment to carry ou research in the area of "Nano Science"	2022	08.10.2022
31	P. Rama Koteswara Rao	FED	25,000	Procurement of Consumables and samples to carry ou research in the area of "Nano Science"	2022	17.10.2022
32	J.Sirisha	IT	30,000	Plant mositure Monitoring System	2022	12Months	28.10.2022
33	Dr S Sai Kumar	IT	40,000	Wireless bluetooth Controlleded Robot Uisng Robot	2022	12Months	28.10.2022
34	Dr G Lakshmi	IT	30,000	ELECTRIC SHORT CIRCUIT DETECTION SYSTEM USING ARDUINO	2022	12Months	28.10.2022
35	Dr K Pavan Kumar	IT	40,000	IoT Based Water Quality Detection	2022	16Months	28.10.2022
36	D SrinivasaRao	IT	40,000	Indoor IoT Home Automation Application with voice Automatin and operabitly Integration	2022	12Months	28.10.2022
37	Dr.T.Rama Krishna	ME	19,000	Airfoil Testing in Subsonic Wind Tunnel	2023	1 Year	09-03-2023
38	Dr.Ch.Kishre Reddy	ME	25,000	Metal Matrix Composites	2023	1 Year	09-03-2023
39	Dr.M.Rajya Lakshmi	ME	20,000	Experimental Analysis on Wire cut EDM	2023	1 Year	09-03-2023
40	Dr.K.I.V. Vandana	ME	20,000	Characterization of Ceramic Composites	2023	1 Year	09-03-2023
41	Ms.E.Kavitha	ME	20,000	Dynamic Mechanical Behaviour of Polymer Composites	2023	1 Year	09-03-2023
42	Mr.N.Raghu Ram	ME	15,000	Analysis of Machining parameters on EDM	2023	1 Year	09-03-2023
43	Mr.G.Bala Krishna	ME	30,000	Laser Processing of Additively manufactured AISi10Mg Components	2023	1 Year	09-03-2023
44	Ms.M.Radha Devi	ME	22,000	3D printing of Aluminium Alloys	2023	1 Year	09-03-2023
45	Ms.Ch.Vidya	ME	21,000	Effectiveness enhancement of Heat exchanges	2023	1 Year	09-03-2023
46	Mr.P.Gopala Krishnaiah	ME	24,000	Metal Forming	2023	1 Year	09-03-2023

47	Mr.T.J. Prasanna Kumar	ME	19,100	Airfoil Testing in Subsonic Wind Tunnel	2023	1 Year	09-03-2023
2021-22							
48	Md. Habibulla	ECE	70,000	Implementation of deep belief neural network on energy efficient routing algorithm in WSN	2022	1 year	19.03.2022
49	Dr. C.Kumar	EEE	90,000	High Efficient Power converter for PV application	2023	2 Years	31.03.2023
50	Dr. N.Vijayanand	EEE	1,50,000	Drive –train control of Electric vehicle	2023	2 Years	31.03.2023
51	Dr. D.Ragaleela	EEE	50,000	Hardware implementation and simulation of single phase thyristor controlled series compensator at laboratory level	2023	2 Years	31.03.2023
52	G. Sreedevi	FED	35,385	Synthesis of composite materials at nanoscale and studying their properties for the photocatalysis applications.	2022	2 Years	10.03.2022
53	Dr A. Haritha	IT	40,000	Car Sentry-Owner Assistant	2022	16months	1.2.2022
54	Dr.V.Siva Parvathi	IT	40,000	Real Tme LTE Arduino GPS Tracker	2022	12 months	1.2.2022
55	Mr. Ch. Praneeth	IT	40,000	Intelligent Water pumping for Fields using IoT	2022	12 months	1.2.2022
56	Dr Y Padma	IT	40,000	Vehicle Movement based street lights with External light Sensing using IoT	2022	12 months	1.2.2022
57	Dr.P.Anusha	ME	18,357	Gadolinium metal for electromagnetic refrigeration effect	2022	2022	08.03.2022
58	Dr. T.Rama Krishna	ME	18,357	Experiments on fluid flow and heat transfer in plate/porous medium	2022	2022	08.03.2022
59	Mr. T. Srinag	ME	18,357	Green Composites	2022	2022	08.03.2022
60	Mr.T.J.Prasanna Kumar	ME	18,357	Aerodynamic Characterization on various models	2022	2022	08.03.2022
61	Mr. P.Gopala Krishnaiah	ME	18,356	Metal Forming of Aluminium materials	2022	2022	08.03.2022
62	Sri Ram Vikas	ME	18,356	Aluminium and titanium welding	2022	2022	08.03.2022
63	N.Raghu Ram	ME	18,356	Estimation of Process parameters on EDM	2022	2022	08.03.2022

64	Ms. K I V Vandana	ME	18,356	Ceramic Composites	2022	2022	08.03.2022
65	Ms. M. Rajya Lakshmi	ME	18,356	Machining and testing on Abrasive water jet machine	2022	2022	08.03.2022
66	Ms.Ch.Vidya	ME	18,356	Nanofluid characterization	2022	2022	08.03.2022
67	G.Bala Krishna	ME	18,356	Characterization of ceramic Composites	2022	2022	08.03.2022
68	Air Quality PM Measuring Instrument for Indoor	ME	48,200	Air Quality PM Measuring Instrument for Indoor (Dr.Phani Prasanthi)	2022	1 Year	08.03.2022
69	Digital Drill Tool Dynamo Meter	ME	48,880	Digital Drill Tool Dynamo Meter (Dr.G.Vijay Kumar)	2022	1 Year	08.03.2022
2020-21							
70	Dr. P. Rajesh Kumar, Dr. Ch. Gangadhar, T. Maha Lakshmi, D. Praveena Bai, Ch. Srilakshmi	ECE	3,00,000	Simulation tools	2021	1 year	17.03.2021
71	Ms. G.Reshma	IT	35,000	Medical Handwritten Prescription recognition using Convolution Recurrent Neural Networks	2021	12months	01.02.2021
72	Dr. K. Srividya	ME	22,328	Vibration analysis on materials	2021	1 Year	29.01.2021
73	Mr.G. Bala Krishna	ME	22,328	Additive Manufacturing of a Aluminium Alloys	2021	1 Year	29.01.2021
74	Ms. K I V Vandana	ME	22,328	Ceramic Composites	2021	1 Year	29.01.2021
75	Ms. M. Rajya Lakshmi	ME	22,328	Optimization of milling parameters of aluminium alloys and stainless steel	2021	1 Year	29.01.2021
76	N.Raghu Ram	ME	22,328	Optimization of process parameters on Electrical Discharge Machining	2021	1 Year	29.01.2021
77	Ch. Kishore Reddy	ME	22,328	Characterization of Aluminium based particulate high entropy alloy composite	2021	1 Year	29.01.2021
78	Sri Ram Vikas	ME	22,328	Stress corrosion cracking of an aluminium alloy	2021	1 Year	29.01.2021
79	Mr. T. Srinag	ME	22,328	Green Composites	2021	1 Year	29.01.2021

80	M. Radha Devi	ME	22,327	Optimization of process parameters in wire cut EDM	2021	1 Year	29.01.2021
81	G Vijay Kumar (Digital Turning Tool Dynamometer)	ME	50,150	Lathe Tool Dynamometer	2021	1 Year	29.01.2021
82	Ch.Vidya (Visco Meter for measuring viscosity of Fluids)	ME	48,899	Digital Visco Meter Maharashtra	2021	1 Year	29.01.2021
2019-20							
83	Dr. Jagadish Vengala	Civil	2,05,000	Development of an equation for predicted 28-day compressive strength of concrete mixes with GGBS by accelerated curing method	2019	3 years	10.4.2019
84	Ms. G. Lalitha Kumari & Ms. Y. Surekha	CSE	54,700	IOT based fall detection in elderly diseased people	2020	1 Year	20-03-2020
85	Ms. J. Rama Devi & Ms. A. Divya	CSE	51,800	Big Data Analytics Frame work and Smart Framing system on crop planning development clusters with effective yield	2020	1 Year	20-03-2020
86	Dr. C. Subbarao	ECE	3,50,000	Design & Analysis of Microwave antenna	2020	1 year	24.01.2020
87	Dr. M.V.Ramesh	EEE	60,000	Design and Implementation of Multipurpose Microcontroller based Inverter	2019	2 Years	28-11-2019
88	Dr. P.Muthukumar	EEE	98,000	Flexible Multilevel DC link Inverter using FPGA	2019	2 Years	28-11-2019
89	Ms. K.Bhavana	EEE	67,000	Customizable FPGA based control of Three Phase Induction Motor	2019	2 Years	28-11-2019
90	Dr K.Pavan Kumar	IT	40,000	Face Recognition and analysis using Singular value diagonalization and band reduction techniques	2019	18Months	28.12.2019
91	M.Sowjanya K.Srivijaya	IT	40,000	Automatic Power Controller Based on the Room Temperature	2019	12Months	28.12.2019
92	Dr S.Sai Kumar	IT	40,000	Number Plate Recognition System using Open CV	2019	12Months	28.12.2019
93	Dr. D.Kavitha Dr. G.Lakshmi	IT	40,000	IoT based Fire Accident Detection System	2019	12Months	28.12.2019
94	Dr. G. Phani Prasanthi	ME	22,490	Characterization of Nano composites	2020	2 Years	04-01-2020

95	Dr. K. Srividya	ME	22,500	Free Vibration analysis of bonded and debonded materials by impact analysis	2020	2 Years	04-01-2020
96	Dr. M. Naga Swapna Sri	ME	22,500	High Temperature behavior of A356 alloy with Cu particulate reinforced composites	2020	2 Years	04-01-2020
97	Ms. P. Anusha	ME	22,500	Performance Evaluation of VCR systems	2020	2 Years	04-01-2020
98	Mr.Ch. Kishore Reddy	ME	22,500	Characterization of Aluminium composites	2020	2 Years	04-01-2020
99	Mr. N. Raghu Ram	ME	22,500	Design and development of electrodes in EDM	2020	2 Years	04-01-2020
100	Mr. G. Bala Krishna	ME	22,500	Microstructure and mechanical properties of Laser beam welded AM components	2020	2 Years	04-01-2020
101	Mr. K. Sri Ram Vikas	ME	22,500	Corrosion behavior of Aluminium and titanium alloys	2020	2 Years	04-01-2020
102	Ms.Ch. Vidya	ME	22,500	Effectiveness enhancement of Heat exchangers with nano fluids	2020	2 Years	04-01-2020
103	Mr. T. J. Prasanna Kumar	ME	22,500	solar energy conversions	2020	2 Years	04-01-2020
104	Mr. M. Somaiah Chowdary	ME	22,500	Nano composites	2020	2 Years	04-01-2020
2018-19							
105	Mrs. D. Sree Lakshmi	CSE	51,000	IOT based Smart Campus Light Management System	2019	1 Year	18-03-2019
106	1.Mr. B. Vishnu Vardhan & 2. Mr. D. Lokesh Sai Kumar	CSE	60,000	IOT based Child Security System	2019	1 Year	31-01-2019
107	Ms J.Sirisha Dr B.V Subba Rao	IT	40,000	ALL CITIZENA Chatbot Integrated Enquiry Services App	2019	12 months	5.2.2019
108	Ms Y.Padma Mr P.Ravi Prakash	IT	45,000	Frame work for Network based Spam detection in online social media using sentiment analysis	2019	12 months	5.2.2019
109	Mr R.Vijay Kumar Reddy Mr G.Venu Gopal	IT	50,000	Transforming Unstructured data structured	2019	12 months	5.2.2019

110	Mr K.Prudhvi Raju	IT	30,000	MyV "My Vision"	2019	12 months	5.2.2019
111	Ms K.Swarupa Rani Ms D.Leela Dharani	IT	30,000	Smart IoT based system for Air Pollution Monitoring	2019	12 months	5.2.2019
112	Dr.P.Phani Prasanthi	ME	18,500	Characterization of Nano Composite	2018	1 Year	21-12-2018
113	P.Anusha	ME	18,500	Refrigeration and Air Conditioning	2018	1 Year	21-12-2018
114	Ch.Kishore Reddy	ME	18,500	Characterization of Aluminum based particulate high entropy alloy composite	2018	1 Year	21-12-2018
115	N.Raghu Ram	ME	18,500	Optimization of process parameters on Electrical Discharge Machining	2018	1 Year	21-12-2018
116	M.Naga Swapna Sri	ME	18,500	Metal Matrix composites	2018	1 Year	21-12-2018
117	G.Bala Krishna	ME	18,500	Additive Manufacturing of a Aluminium Alloys	2018	1 Year	21-12-2018
118	Sri Ram Vikas	ME	19335	Stress corrosion cracking of an aluminium alloy	2018	1 Year	21-12-2018
119	P.Srikanth	ME	18,500	Hybrid Composite Materials	2018	1 Year	21-12-2018
120	Ch.Vidya	ME	18,500	Effectiveness of Heat exchanges	2018	1 Year	21-12-2018
121	P.Gopala Krishnaih	ME	18,500	Optimization of process parameters in WEDM	2018	1 Year	21-12-2018
122	R and D Project equipment	ME	1,14,165	Electrical Density Balance Machine,V-cone Blender To mix the constituents of the composite materials	2018	1 Year	21-12-2018



(Dr. K. Sivaji Babu)

Principal
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