



# SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

(Approved by A.I.C.T.E., New Delhi & affiliated to J.N.T.U.A Anantapuramu)  
SIDDHARTH NAGAR, NARAYANAVANAM ROAD, PUTTUR- 517583  
CHITTOOR DISTRICT, ANDHRA PRADESH, INDIA.

### 3.1.2 The institution provides seed money to its teachers for research (average per year) (8)

#### 3.1.2.1: The amount of seed money provided by institution to its teachers for research year wise during last five years (INR in lakhs)

S.No	Name of the teacher provided with seed money	Title of the Project	Duration of the Project	Amount of seed money (INR in Lakhs)	Year
1	Dr. Shashikumar	Development and evaluation of solar power operated Boom sprayer	9 months	38000	2020-21
2	Dr. Bogala Madhu	Development of manually operated paddy straw rake	9 months	22000	2020-21
3	Dr. N.Ramesh Raju	Design and implementation of automated irrigation system in agricultural using wireless sensor network	9 months	35000	2020-21
4	Mr. P.Chandra Sekhar	Current sensor fault diagnosis and tolerant control of VSI-Based induction motor drives.	9 months	30000	2020-21
5	Dr. J. Gowri Sankar	Implementation of solar PV battery and diesel generator based electric vehicle charging.	9 months	35000	2020-21
6	Ms. V.Manasa	Minizing penalty in industrial power consumption by engaging apfc unit.	9 months	35000	2020-21
7	Mr. P. Muni Sekhar	IOT based street lighting and traffic management system	9 months	30000	2020-21
8	Prof C. Siva Kumar Prasad	Self-curing concrete by using polyethylene Glycol-400	9 months	35000	2020-21
9	Mrs. K. Ashalatha	Experimental Investigation conventional concrete by partial replacement of Iron Dust in cement with addition of steel fibre	9 months	32000	2020-21
10	Ms. C. Sailaja	Experimental Study on LWA concrete by partial replacement of cement with Egg Shell powder & Fine Aggregate with Saw dust	9 months	28000	2020-21

		with Saw dust			
11	Dr. Shashikumar	Development and evaluation of solar power operated weeder	9 months	40000	2020-21
12	Mr.P.Pavan Kumar	AI Based Robot For Patient Monitoring	9 months	10614	2020-21
13	Dr.P.G.Gopinath	Arduino Based Automatic Washroom Sanitizing System For Effective Utilization Of Public Toilets	9 months	11406	2020-21
14	Mr. C.VijayaBhaskar	Design & Implementation Of Covid 19 Emergency Ventilator System	9 months	15150	2020-21
15	Dr.T.Senthil	An Advanced Cafeteria System Using Robots	9 months	13470	2020-21
16	Mr.K.D.MohanaSundaram	IOT Based Temperature And Mask Scanning Entry System	9 months	15200	2020-21
17	Dr. P.Ratna Kamala	War Field Multipurpose Robot	9 months	20720	2020-21
18	Mrs. P.Chandanakala	Accident Monitoring System Using Drones	9 months	15570	2020-21
19	Dr. P.G.Gopinath	IOT Based Organic Farming By Using Aquaponic Method	9 months	11970	2020-21
20	Mr. J.Rajanikanth	Heart Attack Detection Using Iot	9 months	20720	2020-21
21	Mr. B.RaviBabu	Converyer-Belt Based Pick And Sort Industrial Robotics Applications	9 months	18420	2020-21
22	Mr. PMJ Balaji	Smart Wireless Water Meter Using IoT	9 months	20165	2020-21
23	Mr. J.Rajanikanth	Automatic Irrigation System Using IoT	9 months	19160	2020-21
24	Mr. PMJ Balaji	IoT Based Ventilator And Health Monitoring System	9 months	21558	2020-21
25	Ms. NiveditaBiswas	Machine Learning Based Surveillance System For Detection Of Bike Riders Without Wearing Helmets, Tripple Riders And Vehicle Over speed Detection	9 months	20300	2020-21
26	Mr. P.Pavan Kumar	Design And Implementation of Autonomous Healthcare Robot Using Machine Learning	9 months	18250	2020-21
27	Mr. B.A.Devan	Design and Fabrication of Adjustable Solar Agriculture Weeder	9 months	45000	2020-21
28	Dr.K.Siva Kumar	Design and Fabrication of Multipurpose Portable E-Bike	9 months	45000	2020-21
29	Dr.C.Sreedhar	Experimental Investigation on Diesel Engine Powered by Lemon Grass Biofuel with Fuel Additive	9 months	40000	2020-21
30	Dr. S.Suresh	Modelling and Fabrication of Polyamide 11 based fibula bone	9 months	45000	2020-21

		scaffolds using sls technique			
31	Mr. K.Sai Prasad	Design and Fabrication of Glass Filled Nylon Based Bone Scaffolds using AM Techniques	9 months	50000	2020-21
32	Mr.A.Rajasekar Yadav	Arduino Based Smart Bike Kit	9 months	10356	2019-20
33	Mr.K.D. MohanaSundaram	Robot Cafe	9 months	8280	2019-20
34	Mr. B.RaviBabu	Gesture Controlled Garbage Collector Robot	9 months	15580	2019-20
35	Ms.P.Chandanakala	Smart irrigation and crop protection from wild animals using RASPBERRY PI	9 months	14675	2019-20
36	Mr.E.Kosalendra	Intelligent car anti-theft system through face recognition using RASPBERRY PI and global positioning system	9 months	15660	2019-20
37	Mr.C.Prasad	Smart crop protection system from animals and fire using ARDUINO	9 months	11795	2019-20
38	Mr.R.P.V.G. Ashok Reddy	Animal welfare assessment and conservation of animals at zoo	9 months	11235	2019-20
39	Mr. Y.Murali	Automatic pedestrains road crossing detection	9 months	13335	2019-20
40	Mr.D. Muneendra	MQTT based smart waste collection management using RASPBERRY PI	9 months	20530	2019-20
41	Dr.P.G. Kuppuswamy	Arduino Mega based PET Feeding Automation	9 months	20220	2019-20
42	Mr.J.Rajanikanth	Design and Implementation of Rectangular Microstrip Patch Antenna at 5GHz for Wireless N/W	9 months	15494	2019-20
43	Mr. P. Karthikeyan	A Systematic Review on DAC Policy Based on Machine Learning For IOT	9 months	50000	2019-20
44	Dr.L. Kuldeepkumar	A Study on Technical Analysis of Select Pharmaceutical Companies Through Relative Strength in Shriram Insight Stock Brokers Ltd., Anantapur.	9 months	7000	2019-20
45	Dr.L. Kuldeepkumar	Machine Learning and Artificial Intelligence in Marketing Applications During COVID-19 Pandemic	9 months	5000	2019-20
46	Mr. P.MuniSekhar	Closed loop control of DC motor by using DSPACE 1140	9 months	35000	2019-20
47	Mrs. V.N.Saraswathi	Home automation using google voice assistance	9 months	35000	2019-20
48	Mr.S.L.Arun	Temperature Controlled DC Fan using	9 months	30000	2019-20

		Microcontroller			
49	Mr. S.Munisekahr	Arduino RC522 RFID Module based Access Control System	9 months	25000	2019-20
50	Ms. V.Manasa	Smart Dustbin using Arduino, Ultrasonic Sensor & Servo Motor	9 months	25000	2019-20
51	Mr.B.Sreenivasulu	Fabrication of Electric-Powered Vehicle or Handicapped	9 months	30000	2019-20
52	Mr. J.Mani	Design And Fabrication of Automatic Grass Cutter by Using Solar Panel	9 months	35000	2019-20
53	Mr. K.Sudhakar	Fabrication Of Seed Ball Making Machine	9 months	25000	2019-20
54	Mr. V.Karthikeyan	Fabrication Of Vertical Axis Wind Turbine	9 months	25000	2019-20
55	Dr.C.Sreedhar	Design And Fabrication of Drivable Wheel Chair	9 months	30000	2019-20
56	Mr. D. Krishanaih	Design and Fabrication of Prototype Voice Controlled Drone	9 months	18000	2019-20
57	Mr. B. Rajasekhar Reddy	Study on Mechanical Properties of Concrete by using Rice Husk Ash and M-Sand	9 months	42000	2019-20
58	Mr. P. Naveen	Water Absorption Roads by Pervious Concrete	9 months	30500	2019-20
59	Mr. A. Mohan	Experimental Study on Partial Replacement of Plastic Waste with Coarse Aggregate in Concrete	9 months	32500	2019-20
60	Mr.Y.Murali	Smart Glasses For Blind People	9 months	19820	2018-19
61	Mr. U. Sreenivasulu	Dual Axis Solar Tracking System	9 months	20055	2018-19
62	Dr. P .Ratna Kamala	Smart Cradle	9 months	20530	2018-19
63	Mrs.V.Latha	Multipurpose Agriculture Robot	9 months	20055	2018-19
64	Ms. Chandanakala	Kitchen Automation	9 months	14503	2018-19
65	Mr. Muralikrishna	A Standalone Embedded System For Accident Prevention At Blind Turns	9 months	19582	2018-19
66	Mrs. T.J. Deepthi	IOT on live health monitoring	9 months	40000	2018-19
67	Mr. J. Yugandhar	Automatic solar tracking system by using ARDUINO	9 months	25000	2018-19
68	Ms. V.Manasa	Automatic electricity meter reading via SMS through GSM module	9 months	25000	2018-19
69	Mrs. R. Lakshimi	Stepper Motor Control using 8051 Microcontroller	9 months	25000	2018-19
70	Mr. K.Mani	PV Controlled Servo Motor using Arduino, HC-05 Bluetooth Module	9 months	20000	2018-19

71	Mr. P.Muni Sekahr	Water Level Controller using 8051 Microcontroller	9 months	25000	2018-19
72	Mr. P.Chandra Sekhar	Bluetooth Controlled Servo Motor using Arduino, HC-05 Bluetooth Module Arduino UNO	9 months	25000	2018-19
73	Dr. S. Sunil Kumar Reddy	Experimental Investigations on mechanical properties of plastic bricks	9 months	18000	2018-19
74	Dr. C. Prabhu Rama Krishnan	Design and Fabrication of manual seed sowing machine	9 months	17500	2018-19
75	Mr. B. Sreenivasulu	Design and fabrication of lifting house hold items to any multi storage building	9 months	13000	2018-19
76	Mrs. A.Asha	Design & Manufacturing of multipurpose seed sowing machine	9 months	30000	2018-19
77	Mr. K. Sudhakar	Fabrication of powder spraying machine in Seri culture	9 months	20000	2018-19
78	Mr. L.Shankar	Fabrication of solar powered air bike	9 months	35000	2018-19
79	Dr. C. Prabhurama Krishnan	Automatic wall plastering machine	9 months	27000	2018-19
80	Dr. C. Sreedhar	Design & Fabrication of traditional Indian snack machine	9 months	25000	2018-19
81	Mrs. S. Pranavi	Study of Mechanical Properties of M25 concrete made with ceramic powder as partial replacement of Cement	9 months	43000	2018-19
82	Dr. K. Chandrasekhar Reddy	A Study on Properties of Concrete by Replacing Natural Sand with M-Sand & Quarry Dust at Different Sizes of Coarse Aggregate	9 months	35000	2018-19
83	Mr. D. Sainath	A Novel implementation of patient monitoring in Rural areas using IoT technology	9 months	10869	2017-18
84	Mr. B.Pavan Kumar	Color based pattern lock system	9 months	10869	2017-18
85	Mr. K.V.S.K. Prakash	Enhancing Indian E-commerce	9 months	10869	2017-18
86	Mrs. S.B. Ranjani	Smart Shopping Trolley	9 months	8815	2017-18
87	Mrs. P.Ratna Kamala	Smart Door Bell	9 months	11135	2017-18
88	Mr. P.Pavan Kumar	AI Home	9 months	15329	2017-18
89	Mr. D. Madhu	Automatic Engine Locking System For Drunken And Drivers	9 months	9592	2017-18
90	Mr. M. Janardhana Raju	Voice controlled HOME AUTOMATION	9 months	20145	2017-18

91	Mr. G .Sasi	RFID based TOLL collection system using ARDUINO	9 months	7790	2017-18
92	Mr. M. Janardhana Raju	Automated self-cleaning SOLAR PANEL	9 months	12060	2017-18
93	M.Niraja	Raspberry Pi reader for BLIND	9 months	11185	2017-18
94	Mrs. Sai Kusma	Fingerprint based electronic Voting machine	9 months	6335	2017-18
95	Mrs. C.R. Hemavathi	Automatic power factor correction and alert using GSM module	9 months	20000	2017-18
96	Mr. N.RameshRaju	Transformer health monitoring system using IOT& GSM	9 months	20000	2017-18
97	Dr. K. Karunanidhi	Home automation using internet of things	9 months	23000	2017-18
98	Mr. M. Subramanyam	Iot Based Solar Hybrid Inverter With Voltage Monitoring	9 months	20000	2017-18
99	Mr. J. Yugandhar	Comparative study of P&O and incremental conductance MPPT method for photo voltaic system	9 months	20000	2017-18
100	Mr. S. Muni Sekhar	Transient stability improvement of multi-machine power system using Fuzzy controlled TCSC	9 months	25000	2017-18
101	Mr. K .Mani	Speed Control of DC Motor Using Pulse Width Modulation	9 months	22000	2017-18
102	Mr. B. Anandan	Investigation on bio-composite material in bone setting	9 months	20000	2017-18
103	Dr. S. Sunil Kumar Reddy	Production and testing of plastic oils in DI Diesel engine	9 months	22000	2017-18
104	Dr. C. Prabhu Rama Krishnan	Fabrication of Solar power operated pesticide sprayer	9 months	18000	2017-18
105	Mr. A.T. Praveen Kumar	Investigation on performance analysis of solar water heater with copper and aluminium chips as porous medium	9 months	22500	2017-18
106	Mr. P. Kesavulu	Design and fabrication of soil tiller	9 months	29000	2017-18
107	Dr. D. Subramanyam	Fabrication of eddy current braking system	9 months	20000	2017-18
108	Prof C. Sivakumar Prasad	Study of Strength Characteristics of Self Curing Concrete using SAP	9 months	35000	2017-18
109	Dr. G. Prabhakaran	Stabilization of Expansive Soils by using Plastic Powder	9 months	35000	2017-18
110	Dr. K. Chandrasekhar Reddy	Mechanical Behaviour of Concrete made with GGBS and Quarry Dust	9 months	40000	2017-18
111	Mr. G. Prasad Babu	Smart Health Tracking System	9 months	10869	2016-17
112	Mr. B. Pavan Kumar	Home Services	9 months	10869	2016-17

113	Mrs. P. Vijaya	Artificial Movable Railway Platform	9 months	8550	2016-17
114	Mr. P. Pavan Kumar	Smart Home	9 months	10773	2016-17
115	Mrs. M.Kalpana	IOT Based Under Ground Garbage Management System	9 months	8340	2016-17
116	Mr. Afsar Ali	Calibration of the beam pointing Accuracy of an Antenna Array Using the Celestial Radio Source	9 months	10300	2016-17
117	Mr. D.Madhu	Design and Implementation of Wireless notice board using WI-Fi	9 months	10650	2016-17
118	Mr. M. Janardhana Raju	IOT Based LPG Level and leakage detection system	9 months	11503	2016-17
119	Mr. J.Rajanikanth	Design of biosensor array with current boost and signal conditioning circuits for HPV detection	9 months	12421	2016-17
120	Mrs.N.Revathi	Electronic Walking Stick	9 months	10796	2016-17
121	Mrs. T. Jasvin Baby	Solar powered smart irrigation system using GSM module	9 months	12231	2016-17
122	Mrs.M.Niraja	IOT based digital notice board	9 months	14894	2016-17
123	Mr. P.ChandraSekhar	Alive Human and Bomb detecting Robot	9 months	20000	2016-17
124	Mr. J. Yugandhar	Prepared energy meter using GSM and ARDUINO	9 months	20000	2016-17
125	Ms. B.Rajani	Reconfigurable solar converter :A single stage power conversion PV-battery system	9 months	20000	2016-17
126	Mr. N. Ramesh Raju	PSO tuned PID controller based shunt active filter for harmonic reduction	9 months	20000	2016-17
127	Mr. G. Seshadri	High voltage boosting converters based on bootstrap capacitors and boost inductors	9 months	20000	2016-17
128	Mr. P. Karthikeyan	Automatic Comparing of Different Web-Applications for Finding Feasible Solution of the Product	9 months	50000	2016-17
129	Mr. K.Sudhakar	Design and Fabrication of Groundnut Separating Machine	9 months	25,000	2016-17
130	Mr. P.Kesavulu	Pesticide Spraying using Quad Copter	9 months	20000	2016-17
131	Mr. V.Chaitanyavinay	Design and fabrication of cricket ball net practicing machine	9 months	30000	2016-17
132	Mr.K.Hemamahesh	Fabrication of seed sowing machine	9 months	25000	2016-17
133	Dr. C. Sreedhar	Fabrication and testing of atmospheric water generation system	9 months	43000	2016-17

134	Dr. C. Sreedhar	Design & fabrication of trash collecting machine	9 months	37000	2016-17
135	Dr. S. Sunilkumar Reddy	Fabrication of solar powered ground nut decorticator	9 months	20000	2016-17
136	Dr. S. Siddiraju	Strength properties of concrete by the influence of Fly Ash and Nano silica as a partial replacement of cement	9 months	66000	2016-17
137	Mr. R. Rajesh Kumar	Comparsion of Strength Properties of Expansive Soils blended with Lime	9 months	40000	2016-17

  
**PRINCIPAL**  
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