



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

Approved by AICTE • Permanently Affiliated to JNTUK • Accredited by NAAC with 'A' Grade

Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

List of the Faculty who have been Awarded Seed Money for A.Y. 2021-22

S. No	Name of the Faculty	Project Title	Amount (INR in Lakhs)	Duration of the project	Link to the Document
1	Dr. K V S R Murthy	Hand gesture and mobile app-based wheelchair	0.15	4 Months	View
2	Dr. V Srinivasa Rao	IoT based battery monitoring system of charging station (EV)	0.14	4 Months	View
3	Mr. J Pavan	Industry Power Consumption and penalty minimization using APFC unit	0.25	4 Months	View
4	Dr. K. Bapayya Naidu	Smart Solar e -warning sign boards via on cloud-based control for social distancing alert	0.28	4 Months	View
5	Mrs.B.V.V.L. K. Bharathi	Design and performance analysis of autonomous indoor solar energy harvesting system	0.28	4 Months	View
6	Mr.Ch. Amarendra	Real time face mask detection with raspberry pi to prevent covid 19 spreading	0.36	4 Months	View
7	Mr. K. Rambabu	Transmission line multiple fault detection and indication to the electricity board	0.22	4 Months	View
8	Mr. I.V. Veeranjanyulu	Transformer health monitoring system using IoT	0.26	4 Months	View
9	Mr. B.S.S.G. Pardhu	Battery Condition Prognostic system using IoT in Smart Micro Grids	0.34	4 Months	View
10	Mr. P.S.D. Bhima Raju	Calculation of switching angles for the elevation of low order harmonics in multi-level inverter (5 level) teaching learned based optimization	0.19	4 Months	View
11	Mr. N Rajesh	Automatic waste Segregation system for industries for metal, plastic, and wet substances	0.245	4 Months	View
12	Mr. CH. B. A. Raju	IoT based Real Time Vehicle Tracker Using GPRS Technology	0.19	4 Months	View
13	Dr. Soham Dutta	IoT based smart energy meter for efficient energy utilization in smart grid	0.28	4 Months	View
14	Dr. M Aswini Kumar	Nine phase Z Source Inverter	0.22	4 Months	View
15	Dr. Sajjan Kumar	IoT based smart energy grid	0.28	4 Months	View
16	Mr. Ch. Govinda	Wi-Fi based advanced industrial automation	0.33	4 Months	View

17	Mr. B Veera Narayana	Complicated power theft detector using IoT	0.27	4 Months	View
18	Mr. K. Lakshmi Kishore	Micro structural and mechanical characterization of Aluminum alloy Nano composites for structural application	0.1	4 Months	View
19	Mr. S D V V S Bhimesh Reddy	Fabrication of antitheft wheel locking and detection system for vehicle by using IoT	0.1	4 Months	View
20	Mrs. V Pragna	Fabrication and control of line follower automated guided vehicle with obstacle avoidance	0.15	4 Months	View
21	Mr. D Ravi Teja	Fabrication and experimental investigation on the mechanical and surface characterization of hybrid composites integrated with epoxy	0.15	4 Months	View
22	Mr. K Rajendra	Fabrication and control of line follower automated guided vehicle with obstacle avoidance	0.12	4 Months	View
23	Mrs. M Anusha	Effect of serum oxide nanoparticle in dual fuel (RCCI) mode operated with low viscous and high viscous fuels	0.15	4 Months	View
24	Dr. N Radha	Water level monitoring and management of dam using IOT	0.1	4 Months	View
25	Dr. N R Dhinesh babu	Fabrication of flexible UWB antenna for IOT applications	0.12	4 Months	View
26	Dr. M Hari Kishore	Designing the antenna for biomedical applications	0.1	4 Months	View
27	Dr. Babu L P Meena Ketan	Fabrication of micro strip pitch antenna for cubesat application	0.13	4 Months	View
28	Mr. M Neeladri	Designing of communication support for Deaf-Mute people using Arduino and IOT	0.1	4 Months	View
29	Mr. N Venkatesh	Designing of any time medicine vending machine	0.1	4 Months	View
30	Mr. G Ajay Sankar	Smart farming using augmented reality	0.1	4 Months	View

31	Dr. Yashu Swami	Monitoring and controlling the AQI through the Hexacopter drone spraying system	0.4	4 Months	View
32	Dr. Sabat Santoshkumar	Designing of IOT enabled system for tracking and management of student bus	0.1	4 Months	View
33	Dr. Jagatpati Raiguru	Detection of water pollution using IOT	0.1	4 Months	View
34	Mr. S.V.V.D. Jagadeesh	Fabrication of device for “smart detection of helmet using IOT and image processing”	0.3	4 Months	View
35	Mr. A.K. Chakravathy	Fabrication of device for “smart home automation”	0.495	4 Months	View
36	Mr. K Arun Bhaskar	Fabrication of device for “Autonomous weed detection rover using image processing”	0.278	4 Months	View
37	Er. B. Krishna Kanth	Design and development of manually wheel operated swinging lance sprayer	0.265	4 Months	View
38	Er. J. Pavani	Development and performance evaluation of manual/ motorized ground nut decorator	0.2	4 Months	View
39	Dr. K. Bapayya Naidu	smart water system at house using Arduino and python desktop application to reduce water wastage and energy loss	0.28	4 Months	View
40	Mrs.B.V.V.L. K. Bharathi	Design and performance evaluation of a self-contained solar energy system	0.28	4 Months	View
41	Mr.Ch. Amarendra	Fabrication of device for Real time face mask detection with raspberry pi to prevent covid 19 spreading	0.36	4 Months	View
42	Mr. K. Rambabu	Fabrication of device for intelligent electrical load shedding in heavily loaded industrial establishment	0.22	4 Months	View
			0.26	4 Months	View

43	Mr. I.V. Veeranjanyulu	Fabrication of device for IOT based hybrid renewable energy harvesting system from water flow			
44	Mr. B.S.S.G. Pardhu	Fabrication of device for Design of a DC-DC boost converter of hybrid energy harvester for IOT devices	0.34	4 Months	View
45	Mr. P.S.D. Bhima Raju	Fabrication of device for implementation of cost-effective smart home controller with Node MCU and IOT	0.19	4 Months	View
46	Mr. N Rajesh	Fabrication of device for Load analysis and energy management for residential system using smart meter	0.245	4 Months	View
47	Mr. CH. B. A. Raju	IOT based ICU patient monitoring system using heartbeat, SPO2, temp and panic bottom for hospitals	0.19	4 Months	View
48	Dr. Soham Dutta	IOT based smart energy meter for efficient energy utilization in smart grid	0.28	4 Months	View
49	Dr. M Aswini Kumar	Solar based automatic street light system with vehicle movement tracking	0.22	4 Months	View
50	Dr. Sajjan Kumar	IOT based smart energy meter surveillance	0.28	4 Months	View
51	Mr. Ch. Govinda	IOT based Solar energy powered smart irrigation system	0.33	4 Months	View
52	Mr. B Veera Narayana	Intelligent energy meter monitoring with integrated home automation using Internet of things	0.27	4 Months	View
Total Amount			11.68		