



SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)

Seshadri Rao Knowledge Village, GUDLAVALLERU-521 356, Krishna District, A.P., India

(Approved by AICTE, New Delhi and Permitted by A.P. State Government)

Accredited by NAAC

Phone Nos. 08674-273737, 273888, Mobile: +91 9848779121 Fax No. 08674-273957

E-mail: principal@gecgudlavalleru.ac.in, office@gecgudlavalleru.ac.in, Web: www.gecgudlavalleru.ac.in

List of full-time teachers received seed money for research

A.Y. 2021-22

S. No.	Name of the Faculty	Name of the Department	Title of the Project	Duration	Amount in Lakhs	Status
1	Ch. Naga Bharath (PI)	Civil Engineering	An Experimental Investigation on Load-Settlement of Treated and untreated Clayey Soil usable for Pavement Sub grade	1 Year	0.45	Ongoing
2	Sri. Phani Kumar (Co-PI)					
3	Dr. Prabhakara Rao Ganji (PI)	Mechanical Engineering	Design and optimization of bio-diesel/diesel-hydrogen/natural gas dual fuel engine through simulation studies.	2 Years	0.40	Ongoing
4	Dr M R Ch Sastry (Co-PI)					
5	Mr. T Naga Raju (PI)	Mechanical Engineering	Effect of Organic-Ash Based Particulate Reinforcement on Fatigue Behaviour of Aluminium Based Metal Matrix Composite	1 Year	0.30	Completed
6	Dr P Ravindra Babu (Co-PI)					
7	Mr. A Rajesh (PI)	Mechanical Engineering	Investigation of Mechanical and Metallurgical properties of Agro waste reinforced Aluminium Metal matrix Composites	1 Year	0.30	Ongoing
8	Dr P Ravindra Babu (Co-PI)					
9	Sri.Y.K. Viswanadham (PI)	Information Technology	"IOT Based Automated Waste Segregator"	1 Year	0.275	Completed
10	Mr. M. Nagaraju (Co-PI)					
11	Dr. Ch. Kavitha (PI)	Information Technology	"Intelligent Traffic Congestion Detection and Alert System(ITCDAS) using Video on Surveillance"	1 Year	0.33	Completed
12	Dr. DNVSLS Indira (Co-PI)					
13	Dr. Ch. Kavitha (PI)	Information Technology	"Coconut Tree Bot Using AI and IOT"	1 Year	0.38	ongoing
14	Dr.MVLN Rajarao (PI)					
15	Sri.Y.K. Viswanadham (Co-PI)					
Total					2.44	


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A.Y. 2020-21

S. No	Name of the Faculty	Name of the Department	Title of the Project	Duration	Amount in Lakhs	Status
1	Sri. A. H. L. Swaroop (PI)	Civil Engineering	Diagnosis of Structural health Condition of GEC Main Building by using Advanced Non-Destructive Techniques	1 Year	0.50	Completed
2	Sri. Phani Kumar V. (PI)	Civil Engineering	Use of Bi-Enzyme for Stabilization of Soil and Concrete Structures	1 Year	0.94	Completed
3	Dr. Sophia M (Co-PI)					
4	Dr. B. Dasu (PI)	Electrical and Electronics Engineering	"Automatic Water Tank Level Controlling System"	3 Months	0.20	Completed
5	Dr. K. Kalyan Raj (Co-PI)					
6	Dr. B. Dasu (PI)	Electrical and Electronics Engineering	"Automatic Class Room Switches controlling System"	3 Months	0.11	Completed
7	Dr. B. Madhu Kiran (Co-PI)					
8	Dr. B. Dasu (PI)	Electrical and Electronics Engineering	"Automatic Water Dispenser system"	3 Months	0.11	Completed
9	Dr. G.V.S.N.R.V. Prasad (PI)	Computer Science and Engineering	IoT based crop growth analysis in various soil conditions using machine learning	6 Months	0.50	Completed
10	K. Ashok Reddy (Co-PI)					
11	Dr. M. Babu Rao (PI)	Computer Science and Engineering	ECG data acquisition and heart disease detection using deep neural nets	1 Year	0.25	Ongoing
12	Dr. A. Jagadeeswarao (Co-PI)					
13	Dr. Y. Adilakshmi (PI)	Computer Science and Engineering	Water Quality Analysis for Efficient and Maximum of Shrimp Using IOT	6 Months	0.26	Completed
14	N. Rajeswari (Co-PI)					
15	J.N.V.R. Swarup Kumar (PI)	Computer Science and Engineering	Design and Implementation of Smart Gardening System Using IoT	1 Year	0.18	Completed
Total					3.05	


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A.Y. 2019-20

S. No.	Name of the Faculty	Name of the Department	Title of the Project	Duration	Amount in Lakhs	Status
1	Sri. G. T. N. Veerendra (PI)	Civil Engineering	Generation of large-Scale Spatial database of Amaravathi (APCRDA) Andhra Pradesh, India using RS&GIS and Conventional Technologies	2 Years	0.95	Completed
2	Sri. N. Hari Pavan (Co-PI)					
3	Mr. N Premdasu (PI)	Mechanical Engineering	Catalytic Pyrolysis of Waste Plastic	2 Years	1.10	Completed
4	Dr M R Ch Sastry (Co-PI)					
5	Dr. Y. Rama Krishna (PI)	Electronics and Communication Engineering	Basic Research on Microwave treatment of Paddy	1 Year	0.08	Completed
6	Mr.J.N.V.R.Swarup Kumar(PI)	Computer Science and Engineering	Unmanned Aquaculture Monitoring System for better yield and Profit	6 Months	0.05	Completed
Total					2.13	


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A.Y. 2018-19

1	Mr. B V S Raghu Vamsi (PI)	Mechanical Engineering	Jet Impingement Heat Transfer on a Flat Surface	2 Years	2.40	Completed
2	Dr M R Ch Sastry(Co-PI)					
3	Mr. Dittakavi Tarun (PI)	Mechanical Engineering	Selection of Natural Fiber Reinforced composite material for the application of wind Turbine Blade	1 Year	1.10	Completed
4	Dr K Syam Sundar(Co-PI)					
5	Dr D.Prabhakar (PI)	Electronics and Communication Engineering	Design and Development of Flexible Microstrip Antennas for Wireless Body Area Networks	2 Years	0.80	Completed
6	Dr. M.Kamaraju,(PI)	Electronics and Communication Engineering	Design and development of Intelligence Traffic control System and traffic guidance system using IoT	2 Years	0.70	Completed
7	Mr.N.SambaMurty, (Co-PI)					
8	Mr. B.VamsiKrishna (Co-PI)					
9	Dr.V.V.K.D.V.Prasad (PI)	Electronics and Communication Engineering	ECG Information Processing System Modelling	1 Year	0.35	Completed
10	Sri M.V. Srikanth, (Co-PI)					
11	Smt. B. Naga Sirisha (Co-PI)					
12	Mrs.G.Venkatalatha, (PI)	Electronics and Communication Engineering	Design and Development of Wearable Medical Sensors based Health Monitoring System	1 Year	0.25	Completed
13	Dr.Y.Syamala (Co-PI)					
14	Ms.P.Ramya,(PI)	Electronics and Communication Engineering	IoT based e-healthcare System	1 Year	0.18	Completed
15	Mrs.L.Padmalatha (Co-PI)					
16	Dr. M. Babu Rao (PI)	Computer Science and Engineering	Surveillance of Cash Crops-Ailment Identification-Immune Detection using UAV/Drones	1 Year	0.71	Completed
17	Mr.J.N.V.R.Swarup Kumar (Co-PI)					

18	Dr.S.Narayana (PI)	Computer Science and Engineering	Smart Projectors using Raspberry Pi	6 Months	0.50	Completed
19	Mr.J.N.V.R.Swarup Kumar (Co-PI)					
20	Dr. G.V.S.N.R.V. Prasad (PI)	Computer Science and Engineering	An IoT Based Radiation Monitoring System	6 Months	0.10	Completed
21	Dr.Ch.Suresh Babu (Co-PI)					
22	Dr.D.N.V.L.S.Indira (PI)	Computer Science and Engineering	An IoT Based Fire Accident Detection and Deforestation Monitoring System Using Drone	6 Months	0.50	Completed
23	Mrs.Y.Adilakshmi (Co-PI)					
24	Dr.MVLNRajarao (PI)	Information Technology	“Automatic detection and notification of patholes and humps on roads”	1 Year	0.40	Completed
25	Sri.Y.K. Viswanadham (Co-PI)					
26	Dr. Ch. Kavitha (PI)	Information Technology	“Smart bus tracking system using IOT”	1 Year	0.25	Completed
27	Sri B. Srinivaskumar(Co-PI)					
28	Sri. T.K.K. Praneeth (PI)	Information Technology	“Atomization of lab equipment and Furniture verification system”	1 Year	0.20	Completed
29	Sri P.S.S. Sreedhar (Co-PI)					
30	Sri I. Lakshmi Narayana (PI)	Information Technology	“Efficient Electricity Utilization and Management System Using IOT”	1 Year	0.20	Completed
31	Mr. K. Srikanth (Co-PI)					
32	Dr P Haritha (PI)	Basic Sciences and Humanities	Pharmacognostical Standardisation and Biological activities of “ <i>Ipomoeamarginata</i> ”	2 Years	0.30	Completed
Total					8.94	


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A.Y.2017-18

S. No	Name of the faculty	Name of the Department	Title of the project	Duration	Amount in Lakhs	Status
1	Mr. Mohan Krishna D (PI)	Mechanical Engineering	Effect of Temperature gradient on segregation of impurities during directional solidification of Al-Cu, Al-Mn and Al-zn Alloy systems	1 Year	0.73	Completed
2	Dr B Karuna Kumar (Co-PI)					
3	Mr. PNS Srinivas (PI)	Mechanical Engineering	"Development and Characterization of Nano reinforced functionally graded aluminium metal matrix composites	1 Year	4.20	Completed
4	Dr. P Ravindra Babu (Co-PI)					
Total					4.93	


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