

**Details of Projects at University College of Engineering (Autonomous), Osmania University,Hyderabad-07. As on 23-03-2022**

Sl.No.	Dept.	Name of the faculty	Project Title	Funding Agency	Starting Date	Duration of the project	Total amount sanctioned (Rs.)	Ongoing/ Completed
1	BME	Mr. M. Venkateswara Rao & Prof. M.Malini	Hyperthermia application of Nano materials for cancer Therapy	UPE Status of UGC	1/1/2013	5 years	7350000	Completed
2	BME	Dr. D.Suman	Mitigation of drowsy driving through ANN based Blink features from the EOG Data Acquisition system	Seed Grant Under TEQIP-II	1/1/2015	1 year	100000	Completed
3	BME	Dr. D.Suman	Design and Development of a Fuzzy Expert system for the mitigation of drowsy driving of the heavy vehicles	UGC-MRP	1/1/2016	4 years	500000	ongoing
4	BME	Mr. K.E.Ch.Vidyasagar	Design and Development of automatic epilepsy detection and classification system	UGC-MRP	1/1/2016	4 years	380000	ongoing
5	BME	Prof.M.Malini	Fatal heart rate viability	DST-PURSE	1/1/2017	4 years	400000	ongoing
6	BME	Mr. M.Venkateswara Rao & Mr. M.Srinivas	Gait Analysis in Parkinson's disease	DST-PURSE	1/1/2017	3 years	1500000	ongoing
7	BME	Dr. M.Malini	Analysis of Fetal Heart rate variability	DST-PURSE	1/1/2017	3 years	400000	ongoing
8	BME	Dr. D.Suman	A holistic therapeutic approach of Yoga and Meditation for the Hypertension- A clinical study on the Autonomic Control system	DST-PURSE	1/1/2017	3 years	400000	ongoing
9	BME	Mr. K.E.Ch.Vidya Sagar & Mrs. G.Shravanya	Design and development of A Multi biological parameters based integrated system	DST-PURSE	1/1/2017	3 years	400000	ongoing
10	BME	Prof.M.Malini	Wireless data acquisition system for vital sign monitoring	UGC-SERO Minor Research Project	30/06/2017	2 years	264000	Completed
11	BME	Dr.D.Suman	A fuzzy expert system for the detection of drowsiness from the EOG signal analysis	UGC-SERO Minor Research Project	30/06/2017	2 years	500000	ongoing

12	BME	Dr.D.Suman		TSCOST	01/03/2020	1 year	400000	ongoing
13	CED	Prof.M.Gopal Naik	Urban watershed modelling using geospatial technique	UGC-Minor Research Project	01/01/2013	3 years	1515000	Completed
14	CED	Prof.M.Gopal Naik	Surface flow measurement using largescale particle image belocimetry	UGC-SERO Minor Research Project	01/01/2013	2 years	500000	Completed
15	CED	Prof. V.Bhikshma	Flexural and shear behaviour of high strength pond ash concrete.	UGC Minor Research Project	26/03/2017	2 years	235000	Completed
16	CED	Dr.K.Sheshikanth	Impacts of climate change on Indian summ	UGC-SERO Minor Research Project	30/06/2017	2 years	149900	Completed
17	CED	Prof.M.Gopal Naik & Dr. Harish Gupta	Planning and development of climate resilient water sensitive urban designs. A case study of Hyderabad Metropolitan City.	MHRD-SPARC (Internatioanl collabration with TEXAS A&M	14/05/2019	2 years	7438318	ongoing
18	CED	Prof.M.Gopal Naik	Development of sustainable urban drainage system considering the climate change and urbanization Impacts.	SERB-DST	22/05/2019	3 years	4013500	ongoing
19	CED	Prof. M.Kumar	A study on curved speed humps ( CHS) and its Evaluation of Environment Impacts for Indian conditions SERB-DST Project(Civil) Transportation.	SERB-DST	13/11/2019	3 years	3823360	ongoing
20	CED	Dr. Harish Gupta	SWAYAM MOOCs on Water Resources and Watershed Management	UGC-MOOCs	01/04/2020	2 years	1350000	ongoing
21	CED	Dr.K.Sheshikanth	Assessment of climate change impact on precipitation and stream flow in middle krishna (K2) , Ghataprabha (k3), Malaprabha(k4), and lower bhima(k6) sub basins of krishna basin	AC-IWRM- Govt. of Karnataka	01.01.2018	1 year	3000000	Completed
22	CED	Dr. M. V. S. Sreedhar	Laboratory invistigation on uplift capacity of shallow foundation	M/S Ramboll india Pvt. Ltd. Hyderabad	27.11.2017	2 years	320000	ongoing
23	CSE	Dr. A. Hameed	Creating a social network dataset excluding bots contribution	UCE-TEQIP II	01/01/2015	1 year	100000	Completed
24	CSE	Prof. P. V. Sudha	ImplementingEnergy Management using Software Defined Networks for Cloud environment	UCE-TEQIP II	01/01/2015	1 year	100000	Completed

25	CSE	Prof. K. Shyamala	Parallel implementation of minimum spanning tree for large graphs on GPU	UCE-TEQIP II	01/01/2015	1 year	100000	Completed
26	CSE	Prof S. Ramachandram	Building an adaptive resource provisioning framework for applications with multiple constraints in Cloud environments	UGC	01/01/2016	3 years	604000	Completed
27	CSE	Mr. L.K Suresh Kumar	Secure routing in mobile adhoc networks	UGC-SERO Minor Research Project	01/01/2017	3 years	380000	Completed
28	CSE	Dr. B.Sujatha	FOL based Intelligent Language Interface to Knowledge Base	UGC-SERO Minor Research Project	26/03/2017	2 years	210000	Completed
29	CSE	E.Pragnavi	A Security framework for SaaS Services in cloud using SQUARE methodology	UGC-SERO Minor Research Project	30/07/2017	2 years	190000	ongoing
30	CSE	Dr. V.B.Narasimha	Impact of Machine Learning and Term weig	UGC-SERO Minor Research Project	30/07/2017	2 years	140000	ongoing
31	CSE	Prof.K.Shyamala	Power and Energy Aware Secure RoutingProtocol in Wireless Sensor Networks	SERB-DST	27/02/2019	3 years	2639000	ongoing
32	ECE	Prof. P. Chandra Sekhar	GNSS Software Receiver Baseband with FPGA	UGC-Major Research Project	16/07/2012	3 years	1500000	Completed
33	ECE	Prof. L. Nirmala Devi	Security and data transmission issues in mobile adhoc networks	SERB-DST	01/01/2013	3 years	600000	Completed
34	ECE	Prof. P. Chandra Sekhar	Design and Development of FPGA based dual threshold WAM technique for Multilateration Systems	DRDO-DLRL-CARS Project	31/12/2014	9 months	975000	Completed
35	ECE	Prof. D.Ramakrishna	Analysis Design and simulation of W-band antenna for FMCW Applications	DRDO-RCI	01/01/2015	3 years	990000	Completed
36	ECE	Prof. B.Rajendra Naik	Visvesvaraya PHD Scheme for Electronics and IT	Digital India Corporation	02/02/2016	5 years	21929000	ongoing
37	ECE	Prof. L. Nirmala Devi	Energy Management in Wireless sensor network.	MeiTy Spon Res Project New Delhi	16/08/2016	3 years	2787400	Completed

38	ECE	Prof. L. Nirmala Devi	Performance analysis of crop monitoring	UGC-SERO Minor Research Project	01/01/2017	3 years	425000	Completed
39	ECE	Prof. Naveen kumar	Investigation & Analysis of Ionospheric Time Delay Effects using NavIC data for Civilian Navigation Applications.	SAC/ISRO	01/10/2017	3 years	1981700	Completed
40	ECE	Prof. P. Chandra Sekhar	Design and Development of IP core for SDR/ GNSS Receiver Using VHDL/ Verilog	DRDO-RCI-CARS Project	08/11/2017	9 months	990000	Ongoing
41	ECE	Prof. P. Chandra Sekhar	Comparative study on multi communication protocol for SDR application	DRDO-RCI	01/01/2018	1 year	990000	Completed
42	ECE	Prof. B.Rajendra Naik	Advanced TERCOM Aided Inertial Navigation System by Velocity and Position Corrections.	DRDO CARS PROJECT	30/07/2018	2 years	943000	Completed
43	ECE	Prof. D.Rama Krishna	Studies on meta-material based compact antennas for mobile communications.	Department of Science & Technology, New Delhi, (WOS-A)	24/10/2018	3 years	2403000	ongoing
44	ECE	Prof. B.Rajendra Naik	Non - Invasive Measurement of Hemoglobin for Rural Indian using Artificial Intelligence Algorithms.	SERB-DST	15/02/2019	3 years	2217500	ongoing
45	ECE	Prof. D.Ramakrishna	Antenna and RFPCB Component Characterization	Math Work India Pvt.Ltd.	01/01/2021	30 months	2540000	ongoing
46	ECE	Prof. L. Nirmala Devi		TSCOST	01/03/2022	1 year	400000	Completed
47	EED	Dr. P. Satish Kumar	Investigation, Implementation and Performance Evaluation of Multilevel Inverter using Space Vector Pulse Width Modulation Algorithms	UGC, New Delhi – Major research project	01/04/2013	3 years	849000	Completed
48	EED	Prof. P. Satish Kumar	Investigation, Implementation and Performance Evaluation of Multilevel Inverters using Space Vector Pulse Width Modulation Investigation, Implementation and Performance	Science and Engineering Research Board (SERB), New Delhi	20/11/2013	3 years	2010000	Completed
49	EED	Prof. M. Manjula	Mitigation of harmonics in a non- linear load	UCE-TEQIP-II	01/11/2015	1 year	100000	Completed
50	EED	Prof. E. Vidyasagar	Reliability Improvement of Distribution Systems using Fault Passage Indicators	UCE-TEQIP-II	01/11/2015	1 year	100000	Completed

51	EED	Prof.B. Mangu	Grid Connected PV-Wind-Battery Based Multi-Input Transformer Coupled Bidirectional DC-DC Converter For Household Applications	UCE-TEQIP-II	16/11/2015	1 year	100000	Completed
52	EED	Dr. J. Upendar	Design and implementation of transmission line simulator laboratory model	DST-PURSE-II	01/07/2017	3 years	500000	ongoing
53	EED	Prof. P. Srinivas	Implementation of bidirectional DC – DC converter	DST-PURSE-II	01/07/2017	3 years	500000	ongoing
54	EED	Prof. B. Mangu	Integrated PV-Wind-Battery based Stand-alone Single-phase System for Household Application	DST-PURSE-II	29/07/2017	3 years	500000	ongoing
55	EED	Prof.P.Satish Kumar	Design and Development of Hybrid Wind–Solar Power Generation System using Multilevel Inverter for Grid Connected Application	DST, New Delhi (Indo-Sri Lanka Joint Project)	19/01/2018	3 years	2599780	Completed
56	EED	Prof.P.Satish Kumar	Performance Enhancement of Grid Connected Multilevel Inverter based Wind Energy Conversion System with Low Voltage Ride Through Capability using Power Conditioners	DST, New Delhi (India - Slovenia Joint Research Project)	01/01/2022	3 years	2080000	ongoing
57	EED	Prof.B. Mangu		SERB	01/03/2022	3 years	2800000	ongoing
58	EED	Prof.P.Satish Kumar & Dr. J. Upendar	Design, development & cost evaluation of DC house prototype to promote the use of renewable energy for rural electrification	TSCOST	20/03/2022	1 year	400000	ongoing
59	MED	Dr.E.Madhusudan Raju	Development of a EEG (Electroencephalogram) signals based Brain Machine Interface (BMI) for the control of a 2 DOF robot arm with joint flexibility.	UGC-SERO Minor Research Project	30/06/2017	2 years	450000	Completed
60	MED	Dr.Siva Rama Krishna	Assessment of Dimensional Accuracy of Facial bone	UGC-SERO Minor Research Project	30/06/2017	2 years	500000	Completed
61	MED	Prof. Sriram Venlatesh	Advanced High Temperature Oxidation Resistant Titanium Aluminide Inter Metallics With Rare Earth Additions	DRDO, New Delhi	18/04/2018	3 years	4713480	ongoing
62	MED	Dr.Siva Rama Krishna	MODROBS in CAD/CAM laboratory of Mechanical Engineering Dept.	AICTE	20/07/2020	2 years	1658823	ongoing
63	MED	Prof. Sriram Venlatesh	Development of Components for Servo System through 3D Printing Machines	DRDO-CARS Project	22/04/2021	2 years	2000000	ongoing

64	MED	Prof.K.Saraswathamma & Dr. T. R. V. Padmalatha	simulated and Experimental Investigation of Stretch Forming of AA2014 Aluminium Alloy-01 Job	DRDO	08/06/2021	2 years	998000	ongoing
65	MED	Prof. A. Krishanaiah	production of UFG copper tos by ECAE for micro-machining	UGC-SERO Minor Research Project	25/03/2013	3 years	810000	Completed