		Details of Projects at	University College of Engineering (Auto	nomous), Osmania	University,Hyde	rabad-07. As o	on 22-08-2023	
SI.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	01-01-2013	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	01-01-2015	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	01-01-2016	4 years	500000	Completed
4	BME	Mr. K.E.Ch.Vidyasagar	Design and Development of automatic epilepsy detection and classification system	UGC-MRP	01-01-2016	4 years	380000	ongoing
5	BME	Prof.M.Malini	Fatal heart rate viability	DST-PURSE	01-01-2017	4 years	400000	ongoing
6	BME	Mr. M.Venkateswara Rao & Mr. M.Srinivas	Gait Analysis in Parkinson's disease	DST-PURSE	01-01-2017	3 years	1500000	ongoing
7	BME	Dr. M.Malini	Analysis of Fetal Heart rate variability	DST-PURSE	01-01-2017	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	01-01-2017	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	01-01-2017	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 dwowsiness from the EOG signal analysis	UGC-SERO Minor Research Project	30-06-2017	2 years	500000	Completed
12	BME	Dr.D.Suman	A study of Sub thalamic Local Field potentials of Parkinson's disease patients under Deep Brain Stimulation therapy for finding the potential biomarkers	TSCOST	01-03-2020	1 year	400000	Completed
13	BME	Dr.D.Suman	Teacher's Associateship for Research Excellence (TARE)	SERB -DST (TARE)	08-05-2023	3 years	1830000	ongoing
14	CED	Prof.M.Gopal Naik	Urban watershed modelling using geospatial technique	UGC-Minor Research Project	01-01-2013	3 years	1515000	Completed
15	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
16	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
17	CED	Dr.K.Sheshikanth	Impacts of climate change on Indian summ	UGC-SERO Minor Research Project	30-06-2017	2 years	149900	Completed

18	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
19	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
20	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 University, USA)	14-05-2019	2 years	7438318	ongoing
21	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
22	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	Completed
23	CED	Dr. Harish Gupta	SWAYAM MOOCs on Water Resources and Watershed Management	UGC-MOOCs	01-04-2020	2 years	1350000	ongoing
24	CED	Dr.K.Sheshikanth	Assessment of Climate Change Impacts on Indian Monsoon Precipitation using new age CMIP6 Dataset: Implications to Water Security in the Godavai and Narmada Basins	SERB-DST (CLIMATE)	01-03-2023	3 years	1300000	ongoing
25	CED	Dr.K.Sheshikanth	Influence of Terrestrial Feedbacks on Rainfall and Assessment of Droughts and Extreme under Climate Change	SERB-DST (TERRESTRIAL)	24-02-2023	3 years	195000	ongoing
26	CSE	Dr. A. Hameed	Creating a social network dataset excluding bots contribution	UCE-TEQIP II	01-01-2015	1 year	100000	Completed
27	CSE	Prof. P. V. Sudha	ImplementingEnergy Management using Software Defined Networks for Cloud environment	UCE-TEQIP II	01-01-2015	1 year	100000	Completed

28	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
29	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
30	CSE	Mr. L.K Suresh Kumar	Secure routing in mobile adhoc networks	UGC-SERO Minor Research Project	01-01-2017	3 years	380000	Completed
31	CSE	Dr. B.Sujatha	FOL based Intelligent Language Interface to Knowledge Base	UGC-SERO Minor Research Project	26-03-2017	2 years	210000	Completed
32	CSE	E.Pragnavi	A Security fremework for Saas Services in cloud using SQUARE methodology	UGC-SERO Minor Research Project	30-07-2017	2 years	190000	Completed
33	CSE	Dr. V.B.Narasimha	Impact of Machine Learning and Term weig	UGC-SERO Minor Research Project	30-07-2017	2 years	140000	Completed
34	CSE	Prof.K.Shyamala	Power and Energy Aware Secure RoutingProtocol in Wireless Sensor Networks	SERB-DST	27-02-2019	3 years	2639000	ongoing
35	ECE	Prof. P. Chandra Sekhar	GNSS Software Receiver Baseband with FPGA	UGC-Major Research Project	16-07-2012	3 years	1500000	Completed
36	ECE	Prof. L. Nirmala Devi	Security and data transmission issues in mobile adhoc networks	SERB-DST	01-01-2013	3 years	600000	Completed
37	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

38	ECE	Prof. D.Ramakrishna	Analysis Design and simulation of W-band antenna for FMCW Applications	DRDO-RCI	01-01-2015	3 years	990000	Completed
39	ECE	Prof. B.Rajendra Naik	Visvesvaraya PHD Scheme for Electronics and IT	Digital India Corporation	02-02-2016	5 years	21929000	ongoing
40	ECE	Prof. L. Nirmala Devi	Energy Management in Wireless sensor network.	MeiTy Spon Res Project New Delhi	16-08-2016	3 years	2787400	Completed
41	ECE	Prof. L. Nirmala Devi	Perfomance analysis of crop monitoring	UGC-SERO Minor Research Project	01-01-2017	3 years	425000	Completed
42	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
43	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
44	ECE	Prof. P. Chandra Sekhar	Comparative studey on multi communication protocol for SDR application	DRDO-RCI	01-01-2018	1 year	990000	Completed
45	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
46	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	Completed
47	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	Completed

48	ECE	Prof. D.Ramakrishna	Antenna and RFPCB Component Characterization	Math Work India Pvt.Ltd.	01-01-2021	30 months	2540000	ongoing
49	ECE	Prof. L. Nirmala Devi	Crop Protection through Bird Scaring using Artificial Intelligence Assistant Unmanned Aerial Vehicles (UAVs)	TSCOST	01-03-2022	1 year	400000	Completed
50	ECE	Prof. L. Nirmala Devi	An Autonomous Brid Deterrent System for Crop Protection using UAVs	TiHAN, IIT Hyd	20-09-2022	18 Months	2447995	ongoing
51	ECE	Prof. P. Chandra Sekhar	The design, Fabrication and Development of silicn proven IP core for High Resoluation ADPLL	Minestry of Electronics & Information Technology, Gol	18-05-2023	5 years	19150000	ongoing
52	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
53	EED	Prof. P. Satish Kumar	Investigation, Implementation and Performance Evaluation of Multilevel Inverters using Space Vector Pulse Width Modulation Investigation, Implementation and Performance Evaluation of Multilevel Inverters using Space Vector Pulse Width Modulation	Science and Engineering Research Board (SERB), New Delhi	20-11-2013	3 years	2010000	Completed
54	EED	Prof. M. Manjula	Mitigation of harmonics in a non- linear load	UCE-TEQIP-II	01-11-2015	1 year	100000	Completed
55	EED	Prof. E. Vidyasagar	Reliability Improvement of Distribution Systems using Fault Passage Indicators	UCE-TEQIP-II	01-11-2015	1 year	100000	Completed
56	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

57	EED	Dr. J. Upendar	Design and implementation of transmission line simulator laboratory model	DST-PURSE-II	01-07-2017	3 years	500000	Completed
58	EED	Prof. P. Srinivas	Implementation of bidirectional DC – DC converter	DST-PURSE-II	01-07-2017	3 years	500000	ongoing
59	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
60	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
61	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
62	EED	Prof.B. Mangu	Design and Implementation of Control Techniques to Mitigate High Solar PV Penetration Issues into the Grid"	SERB	01-03-2022	3 years	2800000	ongoing
63	EED	Prof.P.Satish Kumar & Dr. J. Upendar	Design, development &cost eveluation of DC house prototype to promote the use of renewable energy for rural electricfication	TSCOST-DST	20-03-2022	1 year	400000	Completed
64	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
65	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
66	MED	Dr.Siva Rama Krishna	Assessment of Dimensional Accuracy of Facial bone	UGC-SERO Minor Research Project	30-06-2017	2 years	500000	Completed

67	MED	Prof. Sriram Venlatesh	Advanced High Temperature Oxidation Resistant Titanium Aluminide Inter Metallic's With Rare Earth Additions	DRDO, New Delhi	18-04-2018	3 years	4713480	ongoing
68	MED	Dr.Siva Rama Krishna	MODROBS in CAD/CAM laboratory of Mechanical Engineering Dept.	AICTE	20-07-2020	2 years	1658823	Completed
69	MED	Prof. Sriram Venlatesh	Development of Components for Servo System through 3D Printing Machines	DRDO-CARS Project	22-04-2021	2 years	2000000	ongoing
70	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