

Department of CSE

Funded Projects List 2022-2023

External - Faculty

S. No.	PI/ Co-PI	Title of the Project	Sponsored Agency	Duration & Year	Sanctioned Amount (in Lakhs)
1	Dr.Shahina A (PI) Dr.Mirnalinee T T (Co-PI) Dr. A Nayeemulla Khan (Co-PI) Dr. Prasad (Co-PI)	Dhi-Vach: A Brain-Computer Interface System Converting thoughts to Speech for Speech-Impaired Patients with neurodegenerative Diseases	DST - SERB	3 years & 04.05.2023	21.91.511
2	Dr. B. Bharathi (PI), Dr.P.Vijayalakshmi (Co-PI), Dr. T. Nagarajan (Co-PI)	Real time multi dialect automatic speech recognition system for Tamil	Tamil Virtual University	1 year & 20.02.2023	13.77
3	DR. D. Thenmozhi	BARF - Blind Abled Reading Frame	DST – TDP scheme	3 years & Oct-22	24

Internal - Faculty

S. No.	PI/ Co-PI	Title of the Project	Sponsored Agency	Duration & Year	Sanctioned Amount (in Lakhs)
1	Dr. A. Beulah Dr. S. Angel Deborah Dr. S. Rajalakshmi	A voice enabled interactive learning system for visually impaired	SSN Trust	2 Years	1.35

Internal – Faculty & Students

S. No.	Name and Year of the Student(s)	Project Guide(s)	Title of the Project	Duration	Sanctioned Amount (in Rupees)
1	R. Abhinav R. Aravind Bhuvnesh Magotra III Year	Dr. B. Bharathi Dr. T.T. Mirnalinee Dr. J. Bhuvana	Project Sanjaya – Live visual assistant in physics lab	1 Year	25000
2	Alamelu Kannan Gayathri Venkatesan Hemasree Senthil II Year	Ms. S. Angel Deborah Dr. K. R. Sarath Chandran Dr. T.T. Mirnalinee	AI based automatic trash scooper	1 Year	28000
3	S.P. Harshida V. Keerthan A. Mohith II Year	Dr. T.T. Mirnalinee Dr. J. Bhuvana	Vehicle sound sensing and classification system for Auditorily – Impaired drivers	1 Year	24000

4	K. G. Sanjai Balajee V. S. Pranav S. Sanjjit II Year CSE	Ms. S. Angel Deborah Dr. A. Beulah Dr. S. Rajalakshmi	Voice enabled braille interpretation pad	1 Year	16000
5	B. Varsha Sivanesan III Year	Dr. R. Priyadharshini Dr. A. Beulah	Design of a Robotic arm for a multi-terrain navigating hexapod	1 Year	15000
6	Swetha J Rahul III Year L. Ricson Jawahar T. Subramanian II Year	Dr. A. Beulah Dr. R. Priyadharshini	Smart glass with audio for assisting visually impaired	1 Year	21000
7	C. Padma Pooja Shruti Sriram R. Nitheesh Raaja III Year CSE Prahalaad Rajagopal II Year CSE	Dr. S.V. Jansi Rani	Automatic estimation of fish count in Aquarium	14 months	20000
8	K. RaghuL Yadhav Priyadharshinini Ramesh II Year CSE R. B. Akash II Year EEE J. Sanjeev II Year Chemical	Ms. S. Angel Deborah Dr. S. Rajalakshmi	Smart grocery and vegetable ordering system	1 Year	27000
9	N. Shalini B. Preethi III Year CSE S. Deepshika III Year EEE	Dr. S. Saraswathi	Floating water waste collecting robot	1 Year	17000
10	Loganathan Sri Shalini M. Harshini II Year CSE G. Ramyalakshmi II Year EEE	Dr. B. Prabavathy Dr. K. R. Sarath Chandran Dr. K.Lekshmi Dr. M. Saritha	Smart Suit : A suit for frontline mine workers	1 Year	20000
11	D. Medha J. Thenmozhi II Year ECE Karthik Vijayakumar K.H. Gopalakrishnan II Year CSE	Dr. Chitra Babu	Prediction of Maternal health risk and architecture for remote monitoring of pregnant women using ML and IoT	15 months	21000
12	B. Ayshwarya M.V. Harish Kumar S. Shreyas V.S. Sathvika II Year CSE	Dr. S.V. Jansi Rani	IoT based real time lane guiding system using image processing	1 Year	19000
13	R. Sai Shashaank Shivcharan Thirunavukkarasu III Year CSE R. Thirusurya P. L. Sankalp V. J. Sathyananth III Year Mechanical	Dr. S.V. Jansi Rani CSE Dr. Satheesh Kumar Gopal Mechanical	Intelligent fish feeder for Aquarium	2 Year	27000

14	M. V. Harish Kumar Heera Ethirajan II Year	Dr. B. Prabavathy Dr. K. R. Sarath Chandran Dr. K.Lekshmi Dr. M. Saritha	BAFO : Bus assist for ophthalmologic individuals	1 Year	21000
15	N. Nitheesh Kumar M.N. Mohamed Uvais R.J. Praveen III Year	Dr. P. Mirunalini Dr. R. Priyadharshini	IoT driven smart automated teller machines (ATM) security	1 Year	18000
16	J. Swetha D. Swathika II Year CSE R. Mathangi II Year IT	Dr. V. Balasubramanian	Smart food ordering system using IoT	1 Year	27000
17	M. S. Mukil Aadhithian R.R. Nandhini Sree II Year CSE S.P. Raghul Prasanth II Year IT	Dr. S. Rajalakshmi Ms. S. Angel Deborah	Smart chaperone for visually impaired	1 Year	24000
18	Adithi Shankar S. Gomathy Dhanya R. Dhiviyaharshini	Dr. K. R. Sarath Chandran Ms. S. Angel Deborah	Remote power usage monitoring and conservation system for hostels in educational institutions	1 Year	25000
19	B. Aishwarya K. Aishwarya K. Akaash III Year	Dr. S. Kavitha Dr. G. Raghuraman	Classification of diabetes and non-diabetes patients through plantar pressure measurement using image analysis	1 Year	21000
20	S. Subhankar II Year CSE R. Shreyas Sai P. Sudhmithaa V. Pavan II Year ECE	Dr. V. Balasubramanian	Cold chain monitoring system	18 months	27000
21	M. Priya II Year CSE S. Anisha II Year Chemical R. Saran II Year Mechanical V.R. Anuprapaa II Year ECE	Ms. S. Lakshmi Priya Dr. N. Sujadeen	IoT enabled solar distillation system	1 Year	22000

First Year – PG (2 Projects) & UG (12 Projects) - CSE Students & Faculty

S. No.	Name and Year of the Student(s)	Project Guide(s)	Title of the Project	Duration	Sanctioned Amount (in Rupees)
1	N. Gayathri B. Ishwarya N. Nishanth Mony	Dr. V. S. Felix Enigo	Plant disease detection in agricultural field using drones and image processing	1 Year	28000
2	V. Harshavardhan M. Madav Naveen Kumar V. Balaji K. Thanis Annal Jenifer	Dr. R. Kanchana	Intrusion detection in agricultural field using drones and image processing	1 Year	28000

3	V.C. Prathiyangira Devi Sai Sandeep Sangeetham CSE V. Adhithya P. Dhivagar ECE	Dr. K. R. Sarath Chandran	Assistive glasses for visually impaired people	1 Year	25000
4	Janani Hariharakrishnan Diya Seshan R. Rohan Tharun Senthuravel	Dr. B. Bharathi	Augmented reality assisted wearable device for travel guidance	1 Year	25000
5	V. Srikrishnan Sukesh Velusamy CSE U. Pranaav J. Srihari IT	Dr. R. Priyadarshini	Foreign object debris detection for airways	18 Months	15000
6	P. Ananth Narayanan CSE P.S. Sudharshan S. Suraj IT	Dr. V. S. Felix Enigo	Weight identification in gas cylinders using Image Processing	9 Months	15000
7	T. Kavin V.K. Srihari V. Yuktha CSE Hari Hara Sudhan IT	Dr. S. V. Jansi Rani	Forensic gait analysis and recognition using deep learning	1 Year	25000
8	N.G. BlessinThanusha K. Archana EEE S. Nithyasri CSE	Dr. B. Prabavathy	IoT-BBMS: Internet of thing – Based baby monitoring system for smart cradle	9 Months	15000
9	K.M. Pradeep CSE Ranjeev Ram Prasad IT J. Johann Sylvester ECE K. Gavutham Mechanical	Dr. A. Beulah	Automatic digital attendance management system	1 Year	10000
10	P. Ram Prasath M. Naresh Nanda CSE R. Ramanujaa P. N. Vijayraj EEE	Dr. R. Kanchana	An image processing based object counting approach for detecting amount of cargo carried by a truck	1 Year	21000
11	E. Abhinav Karthikeyan S. Oviasree CSE V. Keerthick IT	Dr. P. Mirunalini	IoT driven non invasive diabetes detecting system	1 Year	14000
12	N. Pavaneshwar Mechanical D. Clarence Samuel IT	Dr. N. Sujaudeen	Portable Health Assistant	18 Months	16000
13	K. Hishitha P. Praneetha	Dr. G. Raghuraman	IoT supported foot pressure sensor in-sole for posture recognition	1 Year	33000

14	S. Manishkumar CSE M. Barath Raj Chemical S. Hari Prasath EEE Thrishanthi Rameswaram ECE	Dr. S. Yugesh Mathematics	Fitting analysis of COVID-19 epidemiological data – A differential equations model	1 Year	10000
----	---	------------------------------	--	--------	-------