



EASWARI ENGINEERING COLLEGE

(An Autonomous Institution)

Bharathi Salai, Ramapuram, Chennai – 600 089
DEPARTMENT OF INFORMATION TECHNOLOGY



Project laboratory

Facilities

1. Project lab has 21 systems equipped with needed software and tools are made available for the students.

S. NO	SPECIFICATION		QUANTITY
1	HCL-Intel core i5 4GB DDR3 RAM 500GB HARDDISK HCL Keyboard, HCL Mouse 18.5 LED White Screen Monitor		15
2	Lenovo Desktop Intel Core i7-12 th Gen, 16 GB – DDR4 RAM, 1 TB HDD		6
3	PRINTER	LASER JET 1020	1
		LASER JET 1008	2
4	UPS	6KVA TATA LIBERT	1
5	Battery		16
6	D LINK	HCL 16 P5Q JP	1
7	6' U Rack		1



Research Lab

2. The DBMS lab with 35 systems (DELL Intel core i7-11th Gen Processor,32 GB DDR4 RAM 1 TB HDD, Keyboard, Mouse, 21.5” inch LED Monitor) are provided for project work.
3. Project labs are open from 7.45 A.M-3.45 P.M during working hours and from 3.45 P.M 4.30 P.M beyond the working hours.
4. 250 Mbps internet speed is made available in the project labs.
5. Wi-Fi usage is enabled in the project lab.
6. e-Yantra helps the students to work with Robotics Projects.

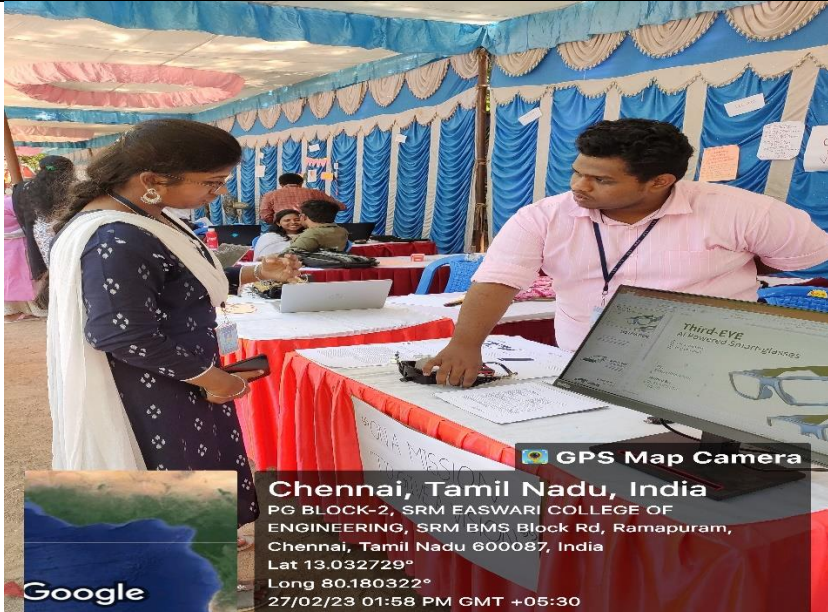
Utilization

1. Students can access the project laboratory on all working days.
2. Students can access the labs during non-working days with prior permission.
3. Students can utilize the project labs for final year projects, mini projects, Industry projects, socially relevant projects and Nalaiya Thiran project etc.

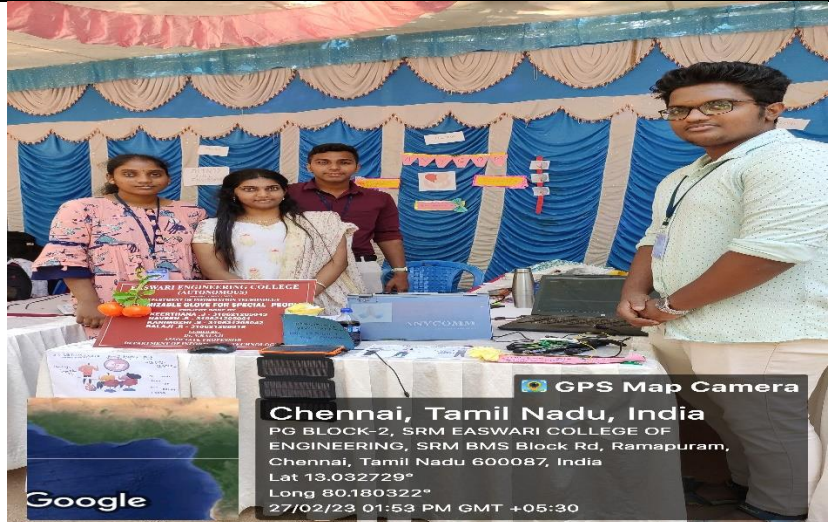
Working prototypes

Academic Year	Name of the Student	Title of the Project	Guide Name
2022-2023	Sanjay R	Third-EYE	Dr.N.Ananthi
	Balaji R	Anycomm (Anyone Can Communicate)	Dr.V.Balaji
	Naveen S		
	Keerthana J		
	Kanimozhi	IoT based accident detection prevention and reporting system	Dr.M.Mohana
	Akshay Ram R B		
	Arun Kumar R		
	Arul Rajan K	Wireless electric vehicle charging station using IOT	Dr.K.Johny Elma
	Giridharan P		
	Krishna Kanth S		
	Joshua	AI based legal eco system	Dr.N.Ananthi
	Prasanna Phanindran S		
	Srivathsan G	Smart shoe navigation for visually impaired using visible light communication	Dr.Praveena Rachel
	Ronie A Presentina		
	Swetha Sree A		
	Varshini N	Led cube using Arduino to assist dyslexic children in learning	Mrs.M.Sowmiya
	Ilakkiya K		
Mirunalini S S			
Madhunisha K	Screening And Classification Of Autism Using VR	Dr.V.Balaji	
Nivetha V			
Srija A			
Subhiksha R	Iot Based Smart Door System for Monitoring Human Body Temperature and Face Mask Detection	Ms.Sandhya	
Monish S			
Ramya B			
Sai Raja Gopal R	Smart Teaching Mirror for Children with Autism	Dr.V.Balaji	
Padma Dev E			
Narayana Moorthy J			
Pranaou S	Cardiac Arrest Detection Using LORAWAN With Defibrillator for Soccer Player	Ms.PM Lavanya	
Priyadarshini.R			
Varshini. N			
Pravin.B	IoT Based Automation in Sewage Treatment Plant	Dr.D.Sivakumar	
Sandhya. K			
Shruthi. K			
Sree Sruthi Latha. T	Drone Delivery in E-Commerce	Dr.M.Mohana	
S .Shyam			

	C . Anish	Industry	
	G .Bhusekar		
	Dasari shimmy roy	Reverse Waste Management	Dr.V.Balaji
	A. Gavin gladston		
	Ashwin S		
	Pritham ganesh S		
	Janani B		
2020-2021	Padma Dev E	APP development For Covid 19 (National level Event conducted by IIT and Anna University-Cash Award RS.50000)	Dr.V.Balaji
2019-2020	Padma Dev E	Design of Smart Helmet	Dr.V.Balaji
	Ms.Khansa	Smart Watch for Women Safety	Dr.V.Vani
	Mr.Charan		

Title of the Project	Working Prototype
Third-EYE	 <p>Chennai, Tamil Nadu, India PG BLOCK-2, SRM EASWARI COLLEGE OF ENGINEERING, SRM BMS Block Rd, Ramapuram, Chennai, Tamil Nadu 600087, India Lat 13.032729° Long 80.180322° 27/02/23 01:58 PM GMT +05:30</p>

Anycomm (Anyone Can Communicate)



IoT based accident detection prevention and reporting system



Wireless electric vehicle charging station using IOT



AI based legal eco system



Smart shoe navigation for visually impaired using visible light communication



Led cube using Arduino to assist dyslexic children in learning



Screening And Classification Of Autism Using VR



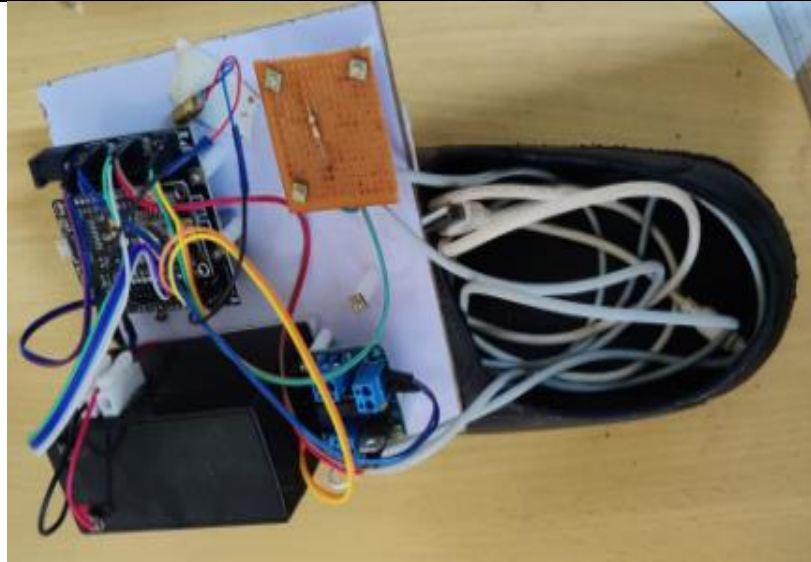
IoT Based Smart Door System for Monitoring Human Body Temperature and Face Mask Detection



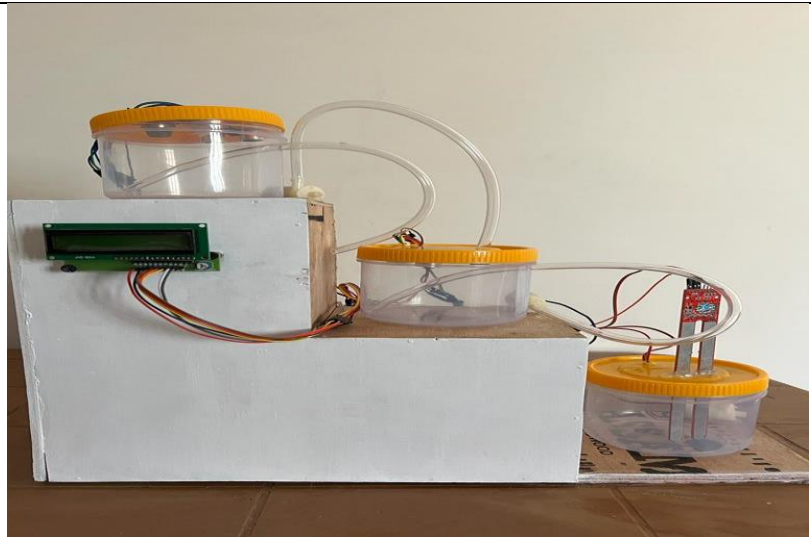
Smart Teaching Mirror for Children with Autism



Cardiac Arrest Detection Using LORAWAN With Defibrillator for Soccer Player



IoT Based Automation in Sewage Treatment Plant



Drone Delivery in E-Commerce Industry



Reverse Waste Management



Design of Smart Helmet



Competitions, Student details for using, winning

Academic Year	Date of the Event	Name of the Student	Title of the Project	Name of the Event	Award Received
2022-2023	27-03-23	SANJAY R	THIRD-EYE	PROJECT DAY 2023	Rs.5000
	20-02-23	BALAJI R NAVEEN S KEERTHANA J KANIMOZHI	ANYCOMM (ANYONE CAN COMMUNICATE)	SAEINDIA	Rs.750
2021-2022	2022	PRASANNA PHANINDRAN S	TECH ECO SYSTEM TO KEEP THE SOLAR PANEL DUST-FREE	HACK-O-PITCH, IITM PARADOX, IIT MADRAS	Rs.15,000
	22-04-22	DASARI SHIMMY ROY, A. GAVIN GLADSTON, ASHWIN S, PRITHAM GANESH S, JANANI B	REVERSE WASTE MANAGEMENT	PROJECT DAY, SRMIST	Rs.25000
	11-05-22	SAKTHI PRIYA RM, YOGESWARI S	SMART LANES FOR PREVENTING ROAD ACCIDENT USING REED SENSORS AND ULTRASONIC WAVE SENSOR	ANNA UNIVERSITY	Rs.5000
	28-04-22	SAKTHI PRIYA RM, YOGESWARI S	SMART LANES FOR PREVENTING ROAD ACCIDENT USING REED SENSORS AND ULTRASONIC WAVE SENSOR	SVEC	Rs.2000
	22-04-22	HARIVIGNESH, HARISHKUMAR, ARUNKUMAR R, ABDULWASEEM NIHAAL	TRUCK LOAD MONITORING SYSTEM TO PREVENT ACCIDENT.	PROJECT DAY, SRMIST	Rs.5000
	26-01-22	PADMA DEV E	APP DEVELOPMENT FOR COVID 19	NATIONAL LEVEL EVENT CONDUCTED BY IIT AND ANNA	RS.50000

				UNIVERSITY	
2019-2020	10-01-20	KHANSA CHARAN	SMART WATCH FOR WOMEN SAFETY	EEC	Rs.25000
		PADMADEV NITHYASREE SNEHA SAVITHA	DESIGN OF SMART HELMET	EEC	Rs.10000

Title of the Project	Competition, Winning Images
THIRD-EYE	
APP DEVELOPMENT FOR COVID 19	

TECH ECO SYSTEM TO
KEEP THE SOLAR PANEL
DUST-FREE



REVERSE WASTE
MANAGEMENT



SMART LANES FOR
PREVENTING ROAD
ACCIDENT USING REED
SENSORS AND
ULTRASONIC WAVE
SENSOR



SMART LANES FOR PREVENTING ROAD ACCIDENT USING REED SENSORS AND ULTRASONIC WAVE SENSOR



TRUCK LOAD MONITORING SYSTEM TO PREVENT ACCIDENT.



SMART WATCH FOR WOMEN SAFETY
&
DESIGN OF SMART HELMET

