

## **CAPSTONE PROJECTS AND ALLOCATION OF GUIDES:**

### **FACULTY DOMAIN SPECIALISATION:**

#### **Academic Year 2024-25**

<b>S.No</b>	<b>Name of the faculty</b>	<b>Designation</b>	<b>Area of specialization</b>
1	Dr. Vishalatchi V	Professor	Antenna
2	Dr.Brindha V	Professor	Image Processing
3	Dr. Prakash P	Professor	Wireless Communication
4	Dr. Sree K V M	Professor	Wireless Communication
5	Dr. Karthiga B	Professor	IoT/Embedded
6	Dr. Rajeswari P	Associate Professor	Wireless Communication
7	Dr. Rekha M	Associate Professor	Wireless networks
8	Dr. Yogeshwaran A	Associate Professor	Antenna
9	Dr.Ramasubramanian	Associate Professor	Wireless Communication
10	Sathish Kumar C	Associate Professor	Wireless Communication
11	Sathyakala D	Associate Professor	VLSI
12	Sathya Moorthy S	Associate Professor	Wireless Communication
13	Boopathy T	Assistant Professor	IoT/Embedded
14	KhadarBasha N	Assistant Professor	Antenna
15	Mithra Devi M	Assistant Professor	Image Processing
16	Sasikala S	Assistant Professor	IoT/Embedded
17	Suganya K	Assistant Professor	Image Processing
18	Prabakaran V	Assistant Professor	Wireless Communication
19	Nithya S	Assistant Professor	Wireless networks
20	Subitcha K	Assistant Professor	Image Processing

21	Richard K	Assistant Professor	Wireless Communication
22	Saritha M	Assistant Professor	IoT/Embedded
23	Sujitha B	Assistant Professor	IoT/Embedded
24	Noorjahan M	Assistant Professor	Antenna
25	Vijayabaskar A	Assistant Professor	Wireless Communication
26	Gulafini L	Assistant Professor	VLSI
27	Gayathri R	Assistant Professor	IoT/Embedded
28	Sivashakthi T	Assistant Professor	Wireless Communication
29	Sivapriya P	Assistant Professor	Image Processing
30	Prakash R	Assistant Professor	Antenna
31	Parimala A	Assistant Professor	Wireless Networks
32	Muthamilselvi N	Assistant Professor	IoT/Embedded
33	Susidra S	Assistant Professor	VLSI
34	Abinaya R	Assistant Professor	Antenna
35	Menaha R	Assistant Professor	IoT/Embedded
36	Krishnaveni R	Assistant Professor	IoT/Embedded

**Table.1: Faculty Specialization**

**Types and relevance of the capstone/major project:**

The project works carried out by the students are categorized on the basis of objectives and project outcomes such as

- Application based projects
- Industry based projects
- Research based projects
- Interdisciplinary projects
- Product based projects

- Design and manufacturing
- Solution of the industrial problems

**Academic Year 2024-25**

<b>S. No</b>	<b>Register No</b>	<b>Name</b>	<b>Project Title</b>	<b>Project Type</b>
1	810421106007	Abitha T	Geo Tagged In Internet Of Things Device For Radiation And UV Monitoring	Product-Based Projects
	810421106030	Gobika K		
	810421106047	KalkiAiswarya B		
	810421106304	Jeeva M		
2	810421106045	Kabilan P	Object Detection Using Yolov3	Research-Based Projects
	810421106048	Karthi K		
	810421106042	Jothiprasanna S		
	810421106058	Madhesh S		
3	810421106037	Harisha K	A Novel Low Profile Micro strip Antenna Design For Enhanced 5G Performance	Research-Based Projects
	810421106041	Jeevitha S		
	810421106059	MadhurAmbika S		
	810421106026	Divyabharathi S		
4	810421106001	Aakarsh Aryan		Application-Based Projects

	810421106018	Bala P	Real-Time Obstacle Avoidance And Line Follower For Autonomous Intelligent Robots Using Ultrasonic Sensors	
	810421106050	Kathiravan B		
	810421106063	Manobala M		
5	810421106013	Arularasu A	IoT Based Health Monitoring System	Interdisciplinary Projects
	810421106025	Dinesh Kumar B		
	810421106027	Elamurugan E		
	810421106038	Hemanath V		
6	810421106009	Anisha M	Optimizing Performance Of Reconfigurable Micro strip Patch Antenna With Metamaterials	Research-Based Projects
	810421106022	Deepika B		
	810421106029	Gayathri N		
7	810421106008	Ajith P	Smart Attendance System Using Face Recognition And Liveness Detection	Application-Based Projects
	810421106036	Hariharan B		
	810421106020	Bharathi K		
8	810421106102	Sivaparthasarathy G M	Dual Phase Intoxication Monitoring And Ignition Prevention System Using STM32 For Two-Wheelers	Industry-Based Projects
	810421106126	Yuvaraj C		
	810421106303	DishoreImmanuvel		
	810421106308	Vignesh G		

9	810421106086	Roja N	Iot Based Coal Mine Safety And Health Monitoring System Using LORWAN Technology	Industry-Based Projects
	810421106093	Sanjeevini E		
	810421106098	Shanmathy K		
	810421106100	Sharmila M		
10	810421106066	Mohammed Javith A	Optimization Of Multiband Micro strip Patch Antenna Using Various Software	Research-Based Projects
	810421106069	MuthuSelvan S		
	810421106077	Pradeep K		
	810421106082	Praveen Kumar S		
11	810421106091	Sanjay J	Scalable and low power AHB To APB Bridge for Reconfigurable SOC Architecture	Solution Of Industrial Problems
	810421106094	Saran S		
	810421106097	SaronEzkiel J		
	810421106110	Stalin A		
12	810421106073	Niranjana K	Agri-Pro: Crop Fertilizer And Market Place Recommender For Farmers Using Machine Learning Algorithms	Interdisciplinary Projects
	810421106095	Saranya S		
	810421106099	Shapna H		
13	810421106067	Mohammed Yazzer B	Mart Living: Active And Assisted Living Health Monitoring System Using IoT	Application-Based Projects
	810421106070	Muthukumar K		

	810421106105	Sivasakthi N		
	810421106117	Thina S		
14	810421106087	Ruban S	Convolutional Neural Network Based Driver Drowsiness Detection Using AI Technology	Interdisciplinary Projects
	810421106089	Sahabdeen N		
	810421106122	Vignesh V		
	810421106125	YoheshwaranThi		
15	810421106075	Nitheeswari M	Accelerating Image Edge Detection Using Ripple Ling Hybrid Carry Adder For Enhanced Computational Efficiency	Research-Based Projects
	810421106106	Sneha G		
	810421106119	Varsha K		
16	810421106071	Nandha Kumar R	AI-IoT Powered Railway Safety Collision Prevention And Animal Detection System	Application-Based Projects
	810421106112	Suriya Prakash T		
	810421106109	SrimaanRagavendra A		
	810421106116	Tamilarasu P		
17	810421106084	Raja Rohit Kumar Sah	Advanced AI Humanoid Epigenetics Nanobot	Research-Based Projects
	810421106114	Suthin Krishna Ps		
	810421106076	PailaYaswanth Kumar		
	810421106305	Kathiravan		

**Table.2: Project Details for Academic Year 2024-2025**

**Best Projects awarded:**

**Academic year 2024-2025**

<b>S.No</b>	<b>Name of the student participants</b>	<b>Event Description</b>	<b>Level</b>	<b>Date of the event</b>	<b>Awards</b>
1	Mohammed Javith A, Pradeep K	Presented a Project in the title of “Optimization of Multiband Microstrip Patch Antenna Using Various Software” and won First Prize in Preconference Workshop on Innovative Antenna Design using Ansys HFSS by Anna University, Chennai.	National Level	18/12/2024	Participated and awarded with Rupees 10000/-

**Table 3. List of students awarded in Conference**

**List of students those who received fund from TNSCST:**

<b>S.No</b>	<b>Academic Year</b>	<b>Guide Name &amp; Designation</b>	<b>Project Title</b>	<b>Student Team Members</b>	<b>Discipline Code</b>	<b>Amount Sanctioned (₹)</b>
1	2024-2025	Mrs S Saritha, Assistant Professor, Electronics and Communication Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur – 621 212	IoT based Automated paralysis patient health care system using Arduino and GSM	Karthik V Boopathi B Dinesh S Madhesh R	EEE-1561	Rupees 7500/-