



## Department of ECE



### *Special Achievements- Students*

#### *List of Student Achievements*

S.No	Batch Members	Batch	Event Name	Winning Status
1	Elakkiya S P Noble Rosario D R	2021-2025	Inventor's Challenge	Finalist (Received components worth Rs. 20,000/-)
2	Ganesh V Shyam H Venkata Krishnan RS Srinithi	2020- 2024	L & T Techgium 2023	Selected for presentation
3	Mohamed Irfan A Louis Santosh K	2019-2023	Student Project Scheme 2022- 2023 (TNSCST)	Won Rs.7500/- for the project Recreating the frequency domain properties for underwater communication
4	Ganesh V Shyam H Nithin C Venkata Krishnan RS Michael Arul Abel J	2020- 2024	VISAI 2023 - 13th International Project Competition	Won Rs.8000/- for the project Surveillance and Protection Operation Technique
5	Baby Nivetha D Blessy Esther Selvin Jacob	2018 - 2022	National Level Grant Challenge - MSME IDEATHON HACKATHON 2022	Received grant of Rs.12,50,000 for the project Passageway devices of Fishing Vessels
6	Keerthana A Mary Susma Rose S	2018 - 2022	Student Project Scheme 2021- 2022 (TNSCST)	Won Rs.7500/- for the project Women safety night patrolling bot
7	Dhanush B Bharath S J Aravindhan.A.T Hemalatha.B Uvashree.R Archana.A	2018 - 2022	Smart India Hackathon 2022	Finalist in the problem statement titled "AI based solution for predicting major law & order incidents"



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*Special Achievements- Students**List of Student Achievements*

S.No	Batch Members	Batch	Event Name	Winning Status
8	Dhanush B Bharath S J Dwaraganath S V	2018-2022	Covid-19 National Bio Information online Hackathon for Full Stackers	Finalist (yet to present in the finals)
9	Aruna Krishnan Christy Kingsly	2016-2020	Student Project Scheme 2019-2020(TNSCST)	Won Rs.7500/- for the project Versatile Insole Monitoring
10	Aruna Krishnan Christy Kingsly	2016-2020	IEEE Student Project Funding 2019-20	Won Rs.3000/- for the project Unobtrusive vitality monitoring System
11	Wasim Akram N Vikram chandran B Stephen Hijam S Vishal B Sulaiman S	2018-2022	Chennai International Youth Fest (CIYF) Line Follower	Runner Up For the project "Line Follower"
10	Vinoth.N Sriram.V Manikandan.K Deepak.A Jeyasurya. S Vikram Chandran.B Wasim Akram.N Stephen Hijam.S Vishal.B Dwaragnath.S.V S.S.Shanjaykumar Sulaiman.S	2017-2021 & 2018-2022	Technoxian - World Robotics Championship 2019	Finalist for the project "MICROMOUSE & ROBO RACE"
11	Godlin Sneha E Gloriya Seelan G	2018-2022	INAE-Youth Conclave	Won Rs.10,000/- for the project "Smart Bag"
12	YasarAhamed S, Rahul Ram V	2014-2018	IEEE Student Project Funding	Won Rs.10,000/- for the project "Smart kitchen with inventory monitoring using IOT "



## Department of ECE

*Special Achievements**List of Student Achievements*

S.No	Batch Members	Batch	Event Name	Winning Status
13	R. Subash	2017-2021	ET2ECN 2020 NIT Trichy	Presented a Paper on "Smart Automated Energy Meter"
14	Mira Ganesh	2017-2021	ET2ECN 2020 NIT Trichy	Presented a paper on "New Modelisation of Silicon DWDM demux"
15	Mira Ganesh	2017-2021	IEEE Photonics Conference -IPC 2019	Received a travel grant of 2500 USD (Rs.1,99,950/-) from IEEE Photonics society.
16	Casandra Josephine Fernando Dharani V Subhash R Shiva Santhosh A	2017-2021	YESIST12 - International Project Competition at "VITCC SB Women in Engineering"	Won III Place fro the Project "Renewable Energy and Micro Grids"
17	Harchana S Jeyalalitha K H Rishika Srivastava, Rohini H	2018-2022	Cognizant's Big Idea 2019 - an Ideathon	Finalist fro the Project "Electricity Controlled by using Heart beat Sensor"
18	Santhoshi Gayathri T	2015-2019	IEEE Photonics conference at Orland	Received a travel grant of 2000 USD (Rs.1,67,000/-) from IEEE Photonics society
19	Santhoshi Gayathri T	2015-2019	Best poster Award Organized by Doctoral Summer school	Received "Best Poster Award"
20	Christen M	2014-2018	L&T Techgium 2018	Finalist for the "Multi-View Point GPU Accelerated Offline Object Tracking"
21	Priyanka K Nivetha S	2013-2017	Innovative Student Project Award (INAE)	Won Rs. 10,000/- for the project "Fool Proof Centralized voting Machine"



# Department of ECE

## Student's Special Achievements

### Detailed Report of Student Achievements

#### Inventor's Challenge

Title of the Project: Real time passenger count system for smart public transportation: a computer vision based approach

Organized by: All India Council for Technical Education (AICTE), Arm Education and ST Microelectronics

Status: Finalist (Received components worth Rs. 20,000/-)

S.No	Name of the Student	Batch
1	Elakkiya S P	2021-2025
2	Noble Rosario	



Elakkiya S P



Noble Rosario  
D R



Received kit worth of  
Rs. 20,000/-

#### Mentor

**Dr. C. Gnana Kousalya**  
Professor & Head  
Department of ECE



**arm**  
Education

## Tamil Nadu State Council for Science and Student Project Scheme 2022-2023

Title of the Project: Recreating the frequency domain properties for underwater communication

Organized by: Tamilnadu State Council for Science and Technology

Title of the Competition: Student Project Scheme 2022-2023

Mentor: Mr. K. Immanuel, Assistant Professor, ECE Department

Cash Award:Rs.7500/-

S.No	Name of the Student	Batch
1	Mohamed Irfan A	2019-2023
2	Louis Santosh K	

## VISAI 2023 - 13th International Project Competition

Title of the Project: Surveillance and Protection Operation Technique Organized by:

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology

Mentor: Dr.C.Gnana Kousalya, HOD, ECE Department

Cash Award: Rs.8000/-



S.No	Name of the Student	Year
1	Ganesh V, Shyam H, Nithin C, Venkata Krishnan RS, Michael Arul Abel J	2022-2023

## Smart India Hackathon 2022

Title of the Project: Smart Insole: "AI based solution for predicting major law & order incidents"

Organized by: Ministry of Education and AICTE

Title of the Competition: Smart India Hackathon 2022

Mentor: Dr.C.Gnana Kousalya, HOD, ECE Department

S.No	Name of the Student	Batch
1	Dhanush B, Bharath S J Aravindhan. A T, Hemalatha B Uvashree R, Archana A	2018- 2022



## National Level Grant Challenge - MSME IDEATHON HACKATHON 2022

Name of the student: Baby Nivetha D,  
Blessy Esther Selvin Jacob

Year & Department: IV ECE (Batch 2018-2022)

Event: MSME IDEATHON HACKATHON 2022

Project Title: Passageway devices of Fishing Vessels

Category: Agriculture

Mentor: Dr. C. Gnana Kousalya, Professor & HOD  
Department of ECE

Received Grant: Rs.12,50,000



**Tamil Nadu State Council for Science and Student Project Scheme 2021-2022**

Title of the Project: **Women safety night patrolling bot**

Organized by: Tamilnadu State Council for Science and Technology

Title of the Competition: Student Project Scheme 2021-2022

Mentor: Dr. C. Gnana Kousalya, HOD & Professor, ECE Department

Cash Award: Rs.7500/-

S.No	Name of the Student	Batch
1	Keerthana A	2018-2022
2	Mary Susma Rose S	

**Covid-19 National Bio Information online Hackathon**

Title of the Project: Mobile Responsive Web for Covid – 19 Care

Organized by: Anna University, BIT Campus, Trichy

Title of the Competition: Covid-19 National Bio Information online Hackathon for Full Stackers

Mentor: Dr.C.Gnana Kousalya, HOD, ECE Department

Winning Status: Finalist

S.No	Name of the Student	Batch
1	Dhanush B	2018-2022
2	Bharath S J	
3	Dwaraganath S V	

**Tamil Nadu State Council for Science and Student Project Scheme 2019-2023**

Title of the Project: Versatile Insole Monitoring

Organized by: Tamilnadu State Council for Science and Technology(TSCST)

Title of the Competition: Student Project Scheme 2019-20

Mentor: Dr.C.Gnana Kousalya, HOD, ECE Department

Cash Award: Rs.7500/-

S.No	Name of the Student	Batch
1	Aruna Krishnan	2016-2020
2	Christy Kingsly	

**IEEE Student Project Funding 2019-20**

Title of the Project: Smart Insole: Unobtrusive vitality monitoring System

Organized by: IEEE Madras Section

Title of the Competition: Student Project Funding 2019-20

Date: Aug 29th, 2019

Mentor: Dr.C.Gnana Kousalya, HOD, ECE Department

Cash Award: Rs.3000/-

S.No	Name of the Student	Batch
1	Aruna Krishnan	2016-2020
2	Christy Kingsly	



## Chennai International Youth Fest

**Name:** Wasim Akram N, Vikram chandran B,  
Stephen Hijam S Vishal B,  
Sulaiman S  
**Year & Department:** II year ECE  
**Event:** Line Follower  
**Venue:** Chennai International Youth Fest (CIYF),  
Chennai.  
**Date:** 1<sup>st</sup> September 2019 to 15<sup>th</sup> September 2019.  
**Place Won:** Runner Up



## World Robotics Championship

**Name:** Vinoth.N, Sriram.V, Manikandan.K,  
Deepak. A, Jeyasurya. S. Vikram,  
Chandran.B, Wasim akram.N, Stephen  
Hijam.S, Vishal.B, Dwaragnath.S.V,  
S.S. Shanjaykumar, Sulaiman.S  
**Year & Department:** II & III year ECE  
**Event:** MICROMOUSE & ROBO RACE  
**Venue:** Technoxian - World Robotics  
Championship 2019-Times of India under  
AICRA (All India Council for Robotics and  
Automation), New Delhi.  
**Date:** 23<sup>rd</sup> September 2019 to 25<sup>th</sup>  
September 2019.  
**Place Won:** Finalist



## Student Conference Participation in NIT

**Name:** R. Subash  
**Year & Department:** III year ECE  
**Event:** ET2ECN 2020  
**Title of the paper:** "Smart Automated Energy Meter"  
**Venue:** Sardar Vallabhbhai National Institute of  
Technology, (NIT) Surat,  
Gujarat,  
India  
**Date:** 7<sup>th</sup> February 2020 - 8<sup>th</sup> February 2020



**Name:** Mira Ganesh  
**Year & Department:** III year ECE  
**Event:** ET2ECN 2020  
**Title of the paper:** " New Modelisation of Silicon  
DWDM demux, AND Gate for  
wavelengths in C and L bands"  
**Venue:** Sardar Vallabhbhai National Institute of  
Technology, (NIT) Surat,  
Gujarat, India  
**Date:** 7<sup>th</sup> February 2020 - 8<sup>th</sup> February 2020.





## INAE Award- Indian National Academy of Engineering

S.No	Name of the Student	Name of the project	Award	Company Name	Prize Amount
1.	Godlin Sneha E Gloriya Seelan G (2018-2022)	Smart Bag	Youth Conclave	The Indian National Academy of Engineering	Rs.15000/-



*Godlin Sneha E & Gloriya Seelan G in "INAE Youth conclave meet"*

## Student Project Funding -IEEE

**YasarAhamed S, Rahul Ram V**  
Received a Project Funding of Rs.10,000/- from IEEE Student Project Funding, IEEE Madras Section for the project titled "Smart kitchen with inventory managing and monitoring using IOT " on 21.04.2018.



## Travel Grant

**Name: Mira Ganesh**  
**Year & Department: III year ECE**  
**Event: IEEE Photonics Conference -IPC 2019**  
**Venue: San Antonio, TX USA**  
**Date: 29/9/2019 - 3/10/2019.**

**"Received a travel grant of 2500 USD  
(Rs.1,99,950/-)  
from IEEE Photonics society"**



## International Project Competition

**Name: Casandra Josephine Fernando, Dharani V,  
Subhash R & Shiva Santhosh A**  
**Year & Department: III year ECE**  
**Event: She Says: Challenge Your Perspective**  
**Title: Renewable Energy and Micro Grids**  
**Venue: YESIST12 – International Project Competition  
at "VITCC SB Women in Engineering,  
VIT Chennai.**  
**Date: 13/July/2019.**  
**Place Won: III Prize**



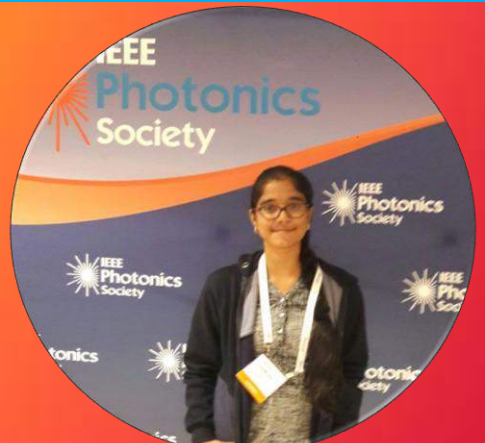
## Cognizant's Big Idea Challenge - 2019

Name: Harchana S, Jeyalalitha K H,  
Rishika Srivastava, Rohini H  
Year & Department: II year ECE  
Event: Cognizant's Big Idea 2019  
Title: Electricity Controlled by using Heart beat  
Sensor (Pulsation factor)  
Venue: Cognizant, Chennai.  
Date: 3<sup>rd</sup> August 2019.  
Place Won: Finalist



## Travel Grant

Name: Ms. Santhoshi Gayathri T  
Batch : 2015-2019  
Event: IEEE Photonics conference at Orland  
Venue: Florida,  
United States  
Date: 1/10/2017 to 5/10/2017  
Received a travel grant of 2000 USD  
(Rs. 1,67,000/-)  
from IEEE Photonics society



## Best poster Award

Name: Santhoshi Gayathri T  
Event: Best poster Award  
Title: Photonic generation of triangular based  
microwave pulse using polarization property  
Venue: Doctoral Summer school on Nano  
Photonics and Metamaterials,  
ITMO University,  
Russia  
Date: 28/5/2018 to 01/06/2018



## L&T Techgium

Mr. M. Christen, Finalist in Techgium 2018  
challenged 9000+ students from 220  
Colleges to create real world engineering  
solutions for industries across the world, on  
the successful demonstration of the proof  
of concept on "Multi-View Point GPU  
Accelerated Offline Object Tracking"  
Organized by L&T Technology Services Ltd.





## INAE Award- Indian National Academy of Engineering

S.No	Name of the Student	Name of the project	Award	Company Name	Prize Amount
1.	Priyanka K Nivetha S (2013-2017)	Fool Proof Centralized voting Machine using automation system	Innovative Student Project Award	The Indian National Academy of Engineering	Rs.10,000/-



Priyanka K receiving the INAE Award



## Department Special Achievements

### *Distinguish Lecture*



Date of Event : 3/12/2018

Sponsor : IEEE EMBS Matching fund.

Topic: Computational Modeling and Digital Dysmorphology for Diverse Populations with Genetic Syndromes

Speaker details: *Dr. Marius George Linguraru, Principal Investigator, Children's National Medical Center, Washington DC, USA*

Target audience : IEEE EMBS students



## Distinguished Lecture Programs

**Title:** Talk on Photonics for Broadband Microwave Measurement

**Department:** ECE

**Speaker details:** Dr. Shilong Pan Professor.

Nanjing University of Aeronautics and Astronautics,

Director,

Institute of Optoelectronic Engineering, NUAA, China.



**Dr. Shilong Pan delivering lecture on Broadband Microwave Measurement**



## International Level IEEE-Women's in Engineering (WIE) Meet

**Title:**International Level IEEE-Women's in Engineering (WIE) Meet

**Department:** ECE

**Speaker details:** Mrs. Emi Yano,

IEEE Region -10 (Asia Pacific)

Women in Engineering Chair

Japan

**Description:** The IEEE WIE One Day National Meet with **Distinguished Lecture** was conducted on 31st August 2019. **Mrs. Emi Yano**





Dr.Emi Yano delivering lecture on **IEEE-Women's in Engineering**



## BRNS Sponsored workshop

**Title:** “Biological Effects of Electromagnetic Fields and Radiations”

**Date:**12/12/2020 to 14/12/2020

**Sponsored by:** Government of India, Department of Atomic Energy, Board of Research in Nuclear Science (BRNS)

**Amount Received:** Rs.40,000/-



Dr.R.Baskaran, Associate Director, Radiology and Environmental Safety, IGCAR Delivering Inaugural Address








## “BEST REGIONAL” EMBS Student Society Award

IEEE EMBS St. Joseph’s Institute of Technology Student Chapter has been awarded the best regional IEEE EMBS Student Chapter for Asia Pacific. As the regional winner, the chapter will receive a plaque and a 300 USD honorarium to use to support chapter activities.



## List of IEEE Technical Society

S.NO	SOCIETY	
1.	IEEE Robotics and Automation Society	
2.	IEEE WIE	
3.	IEEE Engineering in Medicine and Biology Society	
4.	IEEE Broadcast Technology Society	
5.	IEEE Antennas and Propagation Society	
6.	IEEE Photonics Society	