



# SETHU

## INSTITUTE OF TECHNOLOGY

AN AUTONOMOUS INSTITUTION | ACCREDITED WITH 'A++' GRADE BY NAAC  
Pulloor, Kariapatti – 626115, VIRUDHUNAGAR DISTRICT.



### DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



## NEWSLETTER 2022-23



## VISION AND MISSION OF THE INSTITUTE

### Institute Vision:

To promote excellence in technical education and scientific research for the benefit of the society

### Institute Mission:

- ♦ To provide quality technical education to fulfill the aspiration of the student and to meet the needs of the Industry.
- ♦ To provide holistic learning ambience.
- ♦ To impart skills leading to employability and entrepreneurship.
- ♦ To establish effective linkage with industries.
- ♦ To promote Research and Development activities.
- ♦ To offer services for the development of society through education and technology.

## VISION AND MISSION OF THE DEPARTMENT

### Department Vision:

To achieve excellence in education and research in the field of Electronics and Communication Engineering for the development of society

### Department Mission

- ♦ Imparting quality technical education in Electronics and Communication Engineering through contemporary laboratory facilities and accomplished faculty to cater to the needs of the industry
- ♦ Providing a conducive learning environment through the state of the art infrastructure and innovative teaching learning practices
- ♦ Infusing the professional skills needed for employability and entrepreneurship
- ♦ Collaborating with industries for mutual benefit of knowledge transfer
- ♦ Promoting research in Electronics and Communication Engineering
- ♦ Providing services to the society through extension activities and technology enabled services

## EDITORIAL BOARD

### Faculty Members

Dr.M.Parisa Beham,  
Prof & Dean-ECE & EEE HOD/ECE  
Dr.R.Tamilselvi,  
Prof & Dean-BME,  
BT & CHEM PG-HOD/ECE  
Dr. M. Pandimadevi, Asso. Prof./ECE  
Ms.J.Judith, Asst. Prof./ECE

### Student Members

Mr.H.Mohammed Ashraf, IV ECE  
Ms.S.Kalaiyarasi, IV ECE  
Mr.K.Nandha Kumar, III ECE  
Mr.R.Sabari, IV ECE  
Mr.S.Mariselvam, III ECE



## PROGRAMS ORGANIZED



Students actively participated in  
“The Art of Self Defence” on 30.08.2022



Motivational Program on  
“Gender Equality: A matter of Social Justice”  
were conducted on 20.02.2023.  
Eminent members from Student’s Rights  
organization were motivated the students.



One-day seminar on “Real time applications of  
amplifiers and oscillators” was organized on  
26.10.2022. Mr.S.Hariharapandian, Staff  
Engineer, Hardware development, Bangalore  
has delivered the seminar.



Project Expo'23-Green Earth Campaign was  
conducted on 20.02.2023. More than 20  
projects were displayed

## INTERNATIONAL CONFERENCE-ETICT'2K23



Project Expo'22 was conducted on 22.08.2022.  
More than 60 projects were displayed



An International conference on, "Emerging Trends in Information and Communication Technologies-ETICT'2K23" was organized on 05.04.2023 & 06.04.2023. Dr.A.Pandikumar, Senior Scientist / CECRI, Karaikudi inaugurated the conference and Dr.K.Jayanthi, Professor/ECE, Pondicherry Technological University, Pondicherry delivered the Key note address. More than 150 participants were presented their papers.



Best paper Award presentation-ETICT'2K23

## INTRA COLLEGE SYMPOSIUM "ELECTROCOGNIZANCE- 2K22"

The Department of Electronics and Communication Engineering have organized "ELECTROCOGNIZANCE-2K22" an Intra-Departmental Symposium on 07.10.2022 at Sethu Institute of Technology. The Technical and Non-Technical events such as Innovative Idiot, Shot Gun, Idea Presentation, Talent Show, Fashion Parade and Camera Rolling Action, etc., were conducted for students in college level from 3.10.22 to 05.10.2022. The activities are aimed at those who work indifferent of areas. These activities have been found to enable the development of leadership and teamwork qualities among students. Students are encouraged to achieve in both academics and extracurricular activities as part of the competition.



Ms. D.Jeeva Lakshmi, Associate Team Lead ,Neeyamo Enterprise solutions was the Chief Guest and has distributed the prizes to the winners of various events. During her speech she motivated the students to make the most of the new opportunities they have each day to learn and develop and remain focussed on their objectives and keep their goals in mind. Totally 350 students from II, III and IV years participated in various events of this symposium. Among them 120 students got prizes in technical and non-technical event.



### List of Events conducted by "ELECTROCOGNIZANCE- 2K22"

Technical and Non-Technical Events:

1. Innovative Idiot
2. Shot Gun
3. Idea Presentation
4. Talent Show
5. Fashion Parade
6. Camera Rolling Action



## PROGRAMS ORGANIZED DURING 2022-23

- ◆ Webinar on, "Full web stack development with Mern stack" was organized on 24.08.2022. Mr.S.Avanash, Co-founder, Incrix Techlutions LLP, handled the technical session of the webinar. Workshop on "The art of self-defense" was conducted on 30.08.2022. Ms.S.Sethu Lakshmi, Sri Maruthi Silambam training academy, Madurai handled the training session.
- ◆ Seminar on, "Importance of Outcome based education for quality assurance", was conducted on 14.09.2022. Ms.Nasrin Sulaiman, Head of OBE/Infrastructure University, Malaysia given technical seminar.
- ◆ Seminar on, "Research scope in Medical field", was organized on 13.10.2022. Dr.Kunal Deep, Consultant Orthopaedic Surgeon and Joint replacement specialist, TORC and Taj Hospitals was delivered seminar session.
- ◆ Webinar on, "Recent trends in antenna design and its applications", was organized on 29.12.2022. Dr.N.Preethi Elizabeth, Assistant Professor/ECE, Sarana than college of Engineering, Trichy delivered the technical session.
- ◆ Webinar on, "Future trends in Wireless communication beyond 5G", was organized on 31.12.2022. Dr.R.Lenin Raja, Vice President Engineering-AA, Electro Magnetic test laboratory COO-Aracion Technologies LL(UK) delivered the technical session.
- ◆ Webinar on, "Internet of Everything", was organized on 31.12.2022. Mr.Sathyath Premkumar, Amogaa Products Pvt Ltd. delivered the technical session.
- ◆ Workshop on, "Antenna design using CST", was organized on 30.01.2023. Dr.M.Pandimadevi, Associate Professor/ECE & Mrs.J.Rajalakshmi, AP/ECE handled the sessions of the workshop.
- ◆ Workshop on, "Intellectual Property Rights", was organized on 09.02.2023. Mrs.K.Susi, Official trainer, NIPAM, India was conducted the workshop.
- ◆ Workshop on, "How to become a Successful Entrepreneur", was organized on 15.02.2023. Mr.Harsha, Director, Indra Insignia was conducted the workshop.
- ◆ Awareness Program on, "Gender Equality: A matter of Social Justice" was conducted on 20.02.2023. Dr.F.Kailash Raj, Founder & President, IRO and Adv. Nanjil Raja Daniel, President, Student Rights organization delivered the speech on Gender Equality.
- ◆ ProjectExpo'23 -Green Earth Campaign on "Women safety, Health care, Food security, Green Earth & Bio-diversity" was conducted on 20.02.2023. More than 20 projects were displayed.
- ◆ International Conference on, "Emerging Trends in Information and Communication Technologies- ETICT'2K23" was conducted from 05.04.2023 to 06.04.2023.

## JOURNAL PUBLICATIONS BY FACULTY

- ◆ S.Arun Inigo, R.Tamilselvi, M Parisa Beham, "A Review on Imaging Techniques and Artificial Intelligence Models for Osteoporosis Prediction". Current Medical Imaging 10.2174/1573405620666230608091911, June 2023.
- ◆ T.Ruba, R.Tamilselvi, M Parisa Beham, "Segmentation of a Brain Tumour using Modified Link Net Architecture from MRI Images". Journal of Innovative Image Processing (ISSN: 2582-4252) VOL 5(2), Pp.161-180 June 2023.
- ◆ T.R Tamilselvi, M Parisa Beham, "Novel Digital Filter Design for Noise Removal in Fetal Ecg Signals". The Open Biomedical Engineering Journal VOL 17 (1), Feb 2023.
- ◆ Tamilselvi, M Parisa Beham, "Novel Digital Filter Design for Noise Removal in Fetal Ecg Signals". The Open Biomedical Engineering Journal VOL 17 (1), Feb 2023.

- ◆ R Tamilselvi, M Parisa Beham, M.Pandimadevi “Performance enhancement of patch antenna using Nano composite substrate for modern wireless communication systems:”.Materials Today: Proceedings DOI:110.1016/j.matpr.2022.12.225 Jan 2023.
- ◆ R Tamilselvi, M Parisa Beham, “Machine Learning Based Osteoarthritis Detection Methods in Different Imaging Modalities: A Review”.Current Medical Imaging DOI:10. 2174/1573405619666230130143020 Jan 2023.
- ◆ SM Nazia Fathima, R Tamilselvi, M Parisa Beham, “A Survey on Osteoporosis Detection Methods with a Focus on X-ray and DEXA Images”. IETE Journal of Research VOL 68 (6), Pp. 4640-4664 Nov 2022.
- ◆ R. Mahaveerakannan ,K.Sakthidasan Sankaran , T. Venkatesh Kanna, “An Efficient Hybrid Group Key Management for Unmanned Autonomous Vehicles MBN in Wireless Network Environment”.Security and Communication Networks Volume, Oct-2022, Article ID 6000375,4 October 2022 23 pages, <https://doi.org/10.1155/2022/6000375>.
- ◆ Sathish Kumar, Leo L Megalan, S Sivakumar, T Venkateshkanna, ”Comparative Analysis on Sediment Classification using Convolutional Neural Network”, IEEE Xplore: 27 February 2023,DOI:10.1109/ICPECTS56089.2022.10046986.
- ◆ B.Gopi ,J.Rajalakshmi , G.Sugitha ,”A novel design of recta-tri substrate integrated waveguide antenna for ultra-wide band applications “ Microwave optical Technology Letters - MOTL Wiley, vol. 65, no. 2, pp.663-67 , 26th Nov 2022,DOI: 10.1002/mop.33534.
- ◆ Rajalakshmi J,Dr.SivaRanjani S , Sugitha G, Prabanand S.C., ‘Electroencephalogram Data Analysed Through the Lens of Machine Learning to Detect Signs of Epilepsy’–IEEE Explore, DOI:10.1109/ICIRCA54612.2022.9985641, 29th December 2022.
- ◆ M Sivabharathy, BM Praveen, PS Aithal, M Sheik Dawood, A Senthilkumar, K Ramachandran, “Sequencing and identification TOF-SIMS analysis on D9 alloy”,AIP Conference Proceedings, Vol.2518(1),pp 020001,Sep 2022
- ◆ M Sivabharathy, BM Praveen, PS Aithal, M Sheik Dawood, A Senthilkumar, K Ramachandran, ”Thermal expansion studies on D9 alloy”, AIP Conference Proceedings,Vol.2518(1),pp 050001,Sep 2022.
- ◆ S Nazarath Begam, M Sivabharathy, A Ayeshamariam, M Sheik Dawood, SH Mohamed Ameen, “Analysis on computational and ocular criteria of (NH<sub>2</sub>CH<sub>2</sub>COOH) 3. H<sub>2</sub>SO<sub>4</sub> crystals” AIP Conference Proceedings, Vol.2518(1),pp020002,Sep 2022.
- ◆ M Sivabharathy, BM Praveen, PS Aithal, M Sheik Dawood, A Senthilkumar, K Ramachandran, “Microstructure evaluation and thermal properties of fourth generation reactor materials–Modified 9Cr-1Mo steel”, AIP Conference Proceedings,Vol.2518(1),pp 050004,Sep 2022.
- ◆ J Dhana Sony, CS Sundar Ganesh, R Bhavani, R Abdul Sikkandar, N Sathiyathan, “Nanobots: Uploading the human brain”AIP Conference Proceedings,Vol.2518(1),pp 050002,Sep 2022.
- ◆ R Abdul Sikkandar, S Amalorpava Mary Rajee, P Selvaprassanth, G Swathika, “Design of spider web spaced antenna for medical applications”,AIP Conference Proceedings,Vol.2518(1),pp 060005,Sep 2022.
- ◆ B Deepa, C Sujatha, T Guru Baskar, A Manoj Prabakaran, B Michael Vinoline Rinoj, B Syed Ali Fathima, “An adaptive scheduling based communication in 5G network”,AIP Conference Proceedings,Vol.2518(1),pp 060002,Sep 2022.
- ◆ P Sakthi, R Bhavani, D Arulselvam, R Karthick, S Selvakumar, M Sudhakar, “Energy efficient cluster head selection and routing protocol for WSN”,AIP Conference Proceedings,Vol.2518(1),pp 060001,Sep 2022.
- ◆ Ameena Banu Mustafa, Tamilselvi Rajendran, “Wearable multilayer patch antenna with electromagnetic band gap structure for public safety systems, IETE Journal of Research, Vol 68(4), pp 2979-2988, Jul 2022.



## PAPERS PRESENTED BY FACULTY IN NATIONAL/ INTERNATIONAL CONFERENCES

- ◆ Dr.M.Pandimadevi, Dr.R.Tamilselvi and Dr.M.Parisa Beham, “Performance enhancement of patch antenna using nanocomposite substrate for Modern Wireless Communication systems”, in the International Conference organized by Baseliros Mathews II college of Engineering, Kerala held on November 2022.
- ◆ S.M.Seeni Mohamed Aliar Maraikkayar, Dr.R.Tamilselvi, Dr.M.Parisa Beham, K.Shanmuga Priya., ‘Analysis of amniotic fluid in fetal assessment using biophysical profile images’, 13th Indian Conference on Computer Vision, Graphics and Image Processing, ICVGIP 2022, Indian Institute of Technology, Gandhi nagar, December 8-10, 2022.
- ◆ J.Rajalakshmi, Dr.S.Siva Ranjani, "Improving Antenna Capacity for MIMO IoT using Optimal Deep learning based CNN Classifier Approach", ICNAAO 2022, Indian Institute of Technology - (IIT BHU), Varanasi . (Best Paper Award ) Dec 19-22, 2022.
- ◆ J.Rajalakshmi, N.Mathavan, T.Muthuraja, "The Enactment of An Ensemble Deep Learning Optimal Method to the Prediction of Short-Term Energy Prices" ICNAAO 2022, Indian Institute of Technology - (IIT BHU), Varanasi . (Best Paper Award ) Dec 19-22, 2022.
- ◆ Rajalakshmi G, Rajalakshmi J, Dr.Solai Raj A, Muthuraja T., ‘2C-CNN-LSTM: Two Channel Convolutional Neural Network- Long Short Term Memory Deep Learning For Categorization Of Autism using EEG DATA’ – 5th International Conference on Communication and Computational Technologies, ICCCT 2023, Rajasthan Institute of Engineering and Technology, Jaipur Jaipur, January 28-29, 2023.
- ◆ A Sabah Afroze, R Tamilselvi, M Parisa Beham, Sathya pandiyalakshmi “An machine learning based approach for detecting the osteoarthritis using thermal images” ETICT conference 2023, Sethu Institute of Technology, Virudhunagar, Apr 5-6, 2023.
- ◆ S.M.Seeni Mohamed Aliar Maraikkayar, R Tamilselvi, M Parisa Beham, N Swetha “An machine learning based approach for detecting the fetal movement using ultrasound signal” ETICT conference 2023, Sethu Institute of Technology, Virudhunagar, Apr 5-6, 2023.
- ◆ S.M.Seeni Mohamed Aliar Maraikkayar, R.Tamilselvi, M.Parisa Beham, An Automated Approach for the detection of Amniotic fluid index using modified Af-Net Deep Learning Architecture- ISCA Conference 2023, 108th Indian Science Congress, R.T.M. Nagpur University, Nagpur, Maharashtra, India, January 3 - 7, 2023.
- ◆ D.Sabarinathan, M.Parisa Beham, R.Tamilselvi and SMM Roomi, “Ulcer Net: Multilevel Attention Network for Diabetic foot Ulcer Segmentation”, ISCA conference 2023, 108th Indian Science Congress, R.T.M. Nagpur University, Nagpur, Maharashtra, India, January 3 - 7, 2023.
- ◆ M.Pandimadevi, M.Fathu Nisha, G.Ramupriya, A.Shakin Banu presented a paper titled, “IOT based Smart Agricultural System” Fatima Michael College of Engg & Technology - ICETSET 2K23 on 28.06.2023.

## FDP / WORKSHOP/ SEMINAR PROGRAMS ATTENDED BY FACULTY

- ◆ Mr.A.ManojPrabhakaran and Mrs.P.Murugeswari attended 3 day program titled,” Entrepreneurship and Innovation”from 10.10.2022 to 12.10.2022 organized by Madurai Kamaraj University.
- ◆ Mr.A.Nagaraj,Mrs.M.Brindaand Mrs.A.Jansi Rani attended 3 day workshop titled, “ Current Trends on Datascience and applications” from 13.07.2022 to 15.07.2022 organized by VIT, Chennai.
- ◆ Mrs.P.Murugeswari attended 1 week FDP titled,” Smart Tools and Methodologies for Academic Research” from 01.08.2022 to 05.08.2022 organized by Mahatma Gandhi Institute of Technology, Hyderabad.
- ◆ Mr.A.Manoj Prabhakaran, Mr.P.Selvaprasanth, Mr.N.Sathiyathan,T.Ruba and B.Michael Vinoline Rinoj attended 1 week FDP titled,” Amazon Web services” from 22.08.2022 to 28.08.2022 organized by NPR College of Engineering and Technology.
- ◆ Mrs.T.Rubaattended 2 days workshop titled, “Digital Wellness”, from 13.09.2022 to14.09.2022 organized by IIT, Madras.
- ◆ Dr.N.R.Indira, Dr.M.Pandimadevi, Mrs.A.Shakin Banu and Mr.S.Janarthanan attended 2 days Technical seminar titled, “Recent Trends in Communication Technologies”, from 07.10.2022 to 08.10.2022 organized by Velammal College of Engineering and Technology, Madurai.
- ◆ Dr.M.Pandimadevi and Dr.M.Fathu Nisha attended 1 week STTP titled,”Biomedical Engineering and IoT in Healthcare “, from 05.12.2022 to 09.12.2022 organized by NITTTR, Chennai.
- ◆ Mrs.R.Devika,Mrs.G.Ramupriya and Dr.M.Pandimadevi attended 1 week FDP titled,” Wearable Devices for IoT and Microwave Infrastructure”, from 20.12.2022 to 25.12.2022 organized by SRM Institute of Science and Technology, Khaziabad.
- ◆ Mr.D.JohnPragasam attended 1 week FDP titled ,” VLSI Design” from 23.01.2023 to28.01.2023 organized by St Peter's College of engineering and technology, Chennai.
- ◆ Dr.M.Pandimadevi attended 1 day Seminar titled,” National Intellectual Property Awareness Mission” on 09.02.2023 organized by Intellectual Property office and MoE’s Innovation Cell.
- ◆ Dr.M.Fathu Nisha attended 1 week FDP titled ,” Machine Learning using PYTHON” from 13.03.2023 to 17.03.2023 organized by Hindustan College of engineering and technology, Coimbatore.
- ◆ Mrs.P.Deepa, Mr. R.Abdul Sikkandhar, Mrs. J.Rajalakshmi, Mrs.M.Maheswari, Mr.A.Manoj Prabhakaran, Mr.P.Selvaprasanth, Mr.A.Nagaraj and T.Muthuraja attended 1 week STTP on ,” Cyber Crime and Forensic Tools”, from 08.05.2023 to 12.05.2023 organized by NITTTR, Bhopal.
- ◆ Dr. V.Gopi, Mrs.P.Deepa, Mr. R.Abdul Sikkandhar, Mrs. J.Rajalakshmi and Mrs.M.Maheswari attended 1 week FDP on,” Real Time Automation Solutions using AI”, from 19.06.2023 to 23.06.2023 organized by Hindustan college of engineering and Technology, Chennai.





## SPECIAL LECTURES DELIVERED BY THE FACULTY IN OTHER INSTITUTIONS

Sl. No.	Name of the Faculty	Date of the Lecture	Lecture Topic	Name of the College/Institute
1.	Mrs.J.Rajalakshmi	07.12.2022	Artificial Intelligence	Holy Cross Engineering College, Tuticorin
2.	Mrs.J.Rajalakshmi	06.12.2022	Digital Signal Processing	Holy Cross Engineering College, Tuticorin
3.	Dr.M.Pandimadevi	08.02.2023	Antenna design using CST tool	Sai ram Institute of Technology, Chennai
4.	Mrs.T.Ruba	29.03.2023	Linear Integrated Circuits	FX Engineering College, Tirunelveli
5.	Dr,M.Parisa Beham	21.04.2023	Step Out and Innovate	Entrepreneurship Development and Innovation Institute
6.	Dr,M.Parisa Beham	16.06.2023	Evolution of Image Processing to Deep Learning	Multimedia University (MMU), Malaysia
7.	Dr.R.Tamilselvi	16.06.2023	Machine Learning for signal Processing	Multimedia University (MMU), Malaysia

## FACULTY ACHIEVEMENTS



Mrs.T.Ruba,AP/ECE has received Rs.1 lakhs from MSME minister Mr.Anbazhagan as their 1st installment for their project in EDII-Innovation Voucher Programme



Mrs.J.Rajalakshmi,AP/ECE has awarded Best paper for her paper presentation at IIT,Varanasi.



Ms.Judith has received \*women Excellence Research award\* with the cash prize of \*Rs.1,00,000\* from EDII Tamilnadu on 8.03.2023.

## FACULTY ACHIEVEMENTS

Sl. No.	Date	Name of the faculty	Award/Achievement	Name of the Programme
1.	25.09.2022	Dr.R.Tamilselvi	Received “IETE Techno media Award for young woman Engineering”	IETE convention at Hyderabad.
2.	28.10.2022	Mr.S.M.Seeni Mohammed Aliar Maraikkayar Ms.T.Ruba Dr.R.Tamilselvi Dr.M.Parisa Beham	Received a grant of Rs.2,00,000 for their project AI and IOT based smart Aquaculture system.	EDII-Innovation Voucher Programme
3.	22.12.2022	Mrs.J.Rajalakshmi	Awarded Best paper for her paper presentation at IIT,Varanasi.	International Conference, IIT, Varanasi.
4.	20.02.2023	Dr.A.Merline	Distinguished Professor Award	International Rights Organization & Young generation forum
5.		Dr.M.Parisa Beham	Best Researcher Award	
6.		Dr.R.Tamilselvi	Award of Excellence in Research	
7.		Dr.M.Pandimadevi	Awarded Best Organizer	
8.		Dr.M.Fathu Nisha		
9.	21.02.2023	Ms.A.Sabah Afroze Dr.R.Tamilselvi Dr.M.Parisa Beham	Received *2 lakhs* for the startup design contest for the project- Arthritiscare	EDII,Chennai
10.	21.02.2023	Dr.R.Tamilselvi Dr.M.Parisa Beham Mr.A.Nagaraj	Received *2.5 lakhs* for the startup design contest for the project- Malgo	EDII,Chennai
11.	07.03.2023	Dr.M.Fathu Nisha Dr.M.Pandimadevi Mrs.A.Shakin Banu	Received Best paper award	NCRTNT’23, Mannar Thirumalai naicker College, Madurai
12.	08.03.2023	Ms.Judith Dr.R.Tamilselvi Dr.M.Parisa Beham	Received *women Excellence Research award* with the cash prize of *Rs.1,00,000* from EDII Tamilnadu.	EDII,Chennai
13.	27.03.2023	Mr.S.Seeni Mohammed Aliar Maraikkayar Ms.J.Judith Ms.Shanmugapriya Ms.T.Ruba Dr.R.Tamilselvi Dr.M.Parisa Beham	Received a total grant of *5 lakhs* for the startup design contest conducted by Entrepreneurship Development and Innovation Institute (EDII), Chennai.	EDII,Chennai



## LIST OF FUNDED RESEARCH PROJECTS DURING 2022-23

S. No	Name of the Funding Agency	Name of the Proposal	Fund Granted (Rs)	Mentors	Duration
1.	DST-SEED	Non Invasive Fetal Stress Monitoring Device	Rs.21,48,000	Dr.R.Tamilselvi, Dr.M.Parisa Beham & Dr.A.Merline	Mar 2021- Mar 2024
2.	MSME 1.0	Detection of Osteoarthritis in Knees using thermal images	Rs.15,00,000	Mrs.A.Sabah Afroze, Dr.R.Tamilselvi & Dr.M.ParisaBeham	Mar 2022- Mar 2023
3.	MSME 1.0	Odour less Napkin Disposal Machine	Rs.15,00,000	Mrs.A.Sabah Afroze, Dr.R.Tamilselvi & Dr.M.ParisaBeham	Mar 2022- Mar 2023
4.	MSME 1.0	Bionic Arm for Amputees	Rs.15,00,000	Mr.S.M.Seeni Mohamed Aliar Maraikkaiyar, Dr.R.Tamilselvi & Dr.M.Parisa Beham	Mar 2022- Mar 2023
5.	MSME 1.0	Biopolymer For Eco-friendly Bags	Rs.11,00,000	Dr.M.Sheik Dawood & Ms.R.Devika	Mar 2022- Mar 2023
6.	Unnat Bharat Abhiyan (UBA),	Grey water recycling system design and economic analysis for residences in Kariapatti village	Rs.1,00,000	Dr.R.Tamilselvi Dr.M.Parisa Beham & Mr.A.Nagaraj	Mar 2022- Mar 2023
7.	MSME 1.0	Tyre Pressure Regulator	Rs.15,00,000	Dr.R.Tamilselvi & Dr.J.Vairamuthu	June 2022- June 2023
8.	MSME 2.0	Thai sei care	Rs.15,00,000	Dr.R.Tamilselvi, Dr.M.ParisaBeham	June 2023 to June 2024

## LIST OF CONSULTANCY PROJECTS DURING 2022-23

S.No	Title of the Project	Name of the Company	Name of the Faculty Involved	Revenue Generated	Duration
1.	MediRobo	G.K.Clinic, Madurai	Dr.R.Tamilselvi Dr.M.ParisaBeham,	Rs.16,500	Dec 2021- Dec 2022
2.	An Automatic Sanitary Disposal Machine	G.K.Clinic, Madurai	Dr.R.Tamilselvi Dr.M.ParisaBeham,	Rs.33,000	2022
3.	Detection of Osteoarthritis from Medical Images	Taj Hospitals, Madurai	Dr.R.Tamilselvi Dr.M.ParisaBeham,	Rs.14,600	2022
4.	Biophysical profile bases fetal stress analysis	Kumaran Scans	Dr.R.Tamilselvi Dr.M.ParisaBeham,	Rs.27,000	2022
5.	Requisition of BRAMSIT-database acquisition from institute website	Mrs. Kulkarni Sheetal Vijay Research Scholar SATHYABAMA Institute of Science and Technology, Chennai	Dr.R.Tamilselvi Dr.M.ParisaBeham,	Rs. 10,000	03.06.2022
6.	Rice Whiteness Meter	Pwip food Tech Pvt.Ltd, Bangalore	Dr.R.Tamilselvi Dr.M.ParisaBeham,	Rs.20,000	June 2023 - June 2024

## LIST OF MOUS SIGNED DURING 2022-23



Signing of MoU with MultiMedia University (MMU), Malaysia





Signing of MoU with Indra Insignia, Chennai



Signing of MoU with TamilNadu Agriculture University (TNAU), Coimbatore

### LIST OF MOUS SIGNED DURING 2022-23

S.No	Name of the Industry/Institution/Corporate House	Month and Year of Signing MoU	Duration
1.	Multimedia University (MMU), Malaysia	12.6.2023	3 Years
2.	TamilNadu Agriculture University, Coimbatore	27.4.2023	3 Years
3.	Indra Insignia, Chennai	27.4.2023	3 Years

## PARTICIPATION IN VARIOUS INNOVATION CONTEST BY STUDENTS



Mr.S.Manobala , Mr.Manoj and Mr.U.N.Jegan of IV ECE received the cheque of Rs.1 Lakhs from MSME minister Mr.Tha.Mo.Anbarasan as a TNSI awardee for their project," Femcare".



Mr.S.Manobala ,Mr.M.Manoj and Mr.U.N.Jegan IV ECE won Smart India Hackathon Software Edition 2022,held at IIT ROORKEE, Uthrakhand



Ms. VijayaMeenakshi G, Ms. MohanaRamana K & Ms. Ramani E, II ECE got 10th place in seed brain startup design contest held at Cambridge institute of technology, Bangalore, 2022





Ms. Swetha N, Ms. Satiyapandiyalakshmi S & Ms. Gayathri M II M.E-COS got 9th place in seed brain startup design contest held at Cambridge institute of technology, Bangalore, 2022.



Mr Naveen Raj R & Miss. Poojavarshini R, of Third year Electronics and Communication Engineering Department ,won 3rd prize with Rs.15000 worth voucher in ADC 2023 design contest held at IIIT Bangalore on 11.3.2023, for the project title of Portable Kashaya Machine.



Mr.SanthoshP, Mr.Jaya Devan J, of Third year Electronics and Communication Engineering Department , receiving the Best Entry Award among 6000 submitted ideas from Sustainability Hackathon Challenge Organized by EDII Ahmedabad on 28th and 29th April 2023, for the project title of NEOCARE .



M.Kasthuri, J.Madhumitha IV ECE and R.Sivaroshini, III ECE won II prize with cash award of Rs.20,000 in Innovera contest held at Excel Engineering college in Startup TN on 4.03.2023.



## LIST OF STUDENT PARTICIPATION IN VARIOUS INNOVATIVE CONTEST

Sl.No	Name of the Contest	Title of the Project	Mentor (s)	Name of the Student	Status
1.	Smart India Hackathon	Automatic Air inflation system	Dr.R.Tamilselvi, Dr.M.Parisa Beham	John Benjamin J.Venkat, Vigneshwaran Jegan.U.N Poojavarshini.R.B	Winners, Cash prize Rs.50,000/-
2.	EDII- Startup design contest	Garbo	Dr.R.Tamilselvi, Dr.M.Parisa Beham	M.Swetha A.Veroni Divya	2 lakhs cash award
3.	Seedbrain 2022	Air quality monitoring	Dr.R.Tamilselvi, Dr.M.Parisa Beham	N.Swetha, Sathya Pandya lakshmi, M.Gayathri	9th Place
4.	Seedbrain 2022	Food bacteria detection	Dr.R.Tamilselvi, Dr.M.Parisa Beham	M.Gurunanthan	10th Place
5.	Innovaera 23 Ideathon	FEMCARE	Dr.R.Tamilselvi, Dr.M.Parisa Beham	Kasthuri M, Madhumitha Sivaroshini,R	10th Place
6.	ACCS grand challenge	Portable kashaya machine	Dr.R.Tamilselvi, Dr.M.Parisa Beham	Naveen Raj, Poojavarshini.R.B	3rd Place Rs. 15000
7.	EDII -Gujarat Sustainable hackathon	Neonatal care device	Dr.R.Tamilselvi, Dr.M.Parisa Beham	J.Jeyadevan, P.Santhosh	Best Entry Award Top 26
8.	Startup idea and plans -SIP23	Neonatal care device	Dr.R.Tamilselvi, Dr.M.Parisa Beham	J.Jeyadevan, P.Santhosh	1st Prize
9.	AgriTech Hackathon	Modern farming equipment	Dr.M.Pandimadevi Dr.N.R.Indira Dr.M.Fathu nisha	R Venkatesh S.Sahana N.Nandhini	3rd Place
10.	SIT YANTRA 2K22	Idea Presentation	Dr.R.Tamilselvi, Dr.M.Parisa Beham	S.Veera manikandan T.Vishnu	3rd Place
11.	SIT YANTRA 2K22	ROBO Design	Dr.R.Tamilselvi, Dr.M.Parisa Beham	S.Veera manikandan T.Vishnu	7th Place
12.	SIT YANTRA 2K22	ROBO Design	Dr.R.Tamilselvi, Dr.M.Parisa Beham	M Hemanth Sachin, A Abdul Gafoor	1st Place
13.	Startup design contest-EDII	IoT Based Air quality Monitoring	Dr.R.Tamilselvi, Dr.M.Parisa Beham	Ms.N.Swetha, Ms.Sathiya Pandiya Lakshmi, Ms.Gayathri	Received a total grant of Rs. 4.4 Lakhs
14.	Startup design contest-EDII	Rapid Non-invasive Bacteria Detector	Ms.S.Ramya Dr.R.Tamilselvi, Dr.M.Parisa Beham	Mr.K.R.Suryakumar	

## CO-CURRICULAR ACTIVITIES BY STUDENTS



Students were awarded under various events conducted during FEMFEST'23



Ms.S.Sahana and Ms.N.Nandhini won II prize in paper presentation contest – GYAN LMEC 2K23 at Latha Mathavan Engineering college

## CO-CURRICULAR ACTIVITIES BY STUDENTS

S.No	Date	Name of The Student	Year	Title	Position / Participation	Venue
1.	25.08.2022	Kasthuri M	III	Smart India Hackathon 2022	Participated	VNR Vignana Jyothi Institute of Engineering & Technology
2.	01.09.2022	Swetha M Fazalul Rahman S Ponraj M	II	Ideathon 22	Participated	ACIC-Kalasalingam Innovation Foundation
3.	27.09.2022 to 28.09.2022	Asraf H Sweetha Sri J D Madhumitha J	III	SIT YANIRA 2K22	Participated	SIT
4.	15.10.2022	Swetha M SuryaPrabha T Poojavarshini R.B Naveen Raj R VeroniDhivya A Meenakshi SundaramV Vishnu B	II & III	Ideathon 22	Participated	Kangeyam Group of Institutions
5.	16.10.2023 to 23.10.2023	Swetha M	III	Design-A-Thon	Participated	IIIT,Nagpur
6.	13.11.2022	Subhari S	III	Ignite Innovations	Participated	SIT
7.	22.12.2022 to 24.12.2022	S.Priyadharshini A.Saruhasini K.Sneka	III	VIC-2022	Participated	IIT PATNA
8.	24.01.2023	Swetha M Vishnu R Sneka K Priyadharshini S Sharuhasini A VeroniDivya A JeevaPriya K Gurunathan T.S Hariharan L. A Sivaroshini M K Karthikeyan LA	II	SEED BRAINS 2.0	Participated	Cambridge University, Bangalore



9.	03.02.2023 to 04.02.2023	Vishnu.R Vijaya Meenakshi G Poojavarshini.R.B Yamin Begum R Yaashini A Sivaroshin MK Karthika.N Srinath E Ponraj M Siva B Dinesh S Madhumitha J Kasturi M	II	Innovaera 23	Participated	Excel Engineering College
10.	10.02.2023	Priyadarshini.S Kasthuri M	III	Together 2023	Participated	online
11.	11.02.2023	Sweethasri.D	III	AVINYA 2023	Participated	KCG College of Technology, Chennai
12.	12.02.2023	Ramya A Jeevapriya Lindhya Shree	III	TECHgium	Participated	L&T Technology Services
13.	15.02.2023	Praveen T Ajay Kumar M Parthasarathi T	II	Smart Agrothon 2023	Participated	Karpagam College of Engineering & Technology
14.	15.02.2023	Praveen. T	II	GENESIS '23	Participated	Kamaraj College of Engineering & Technology
15.	20.02.2023	Madhumitha J Kasthuri M Santhosh P	III	Project Expo'23-Green Earth Campaign	I	Sethu Institute of Technology
16.	20.02.2023	Gurunanthan T.S Arvind P Dinesh.P Sanjay C	II	Project Expo'23-Green Earth Campaign	II	Sethu Institute of Technology
17.	20.02.2023	Abdul Gaffoor A Besh Niranjan M	III	Project Expo'23-Green Earth Campaign	III	Sethu Institute of Technology
18.	20.02.2023	Sharuhasini A Sneha K Priyadharshini S	III	Project Expo'23-Green Earth Campaign	Participated	Project Expo'23-Green Earth Campaign

19.	20.02.2023	Vishnu R Dinesh S Ponraj M	II	Project Expo'23-Green Earth Campaign	Participated	Project Expo'23-Green Earth Campaign
20.	20.02.2023	Yasmin Begum R Sruthi S	III	Project Expo'23-Green Earth Campaign	Participated	Project Expo'23-Green Earth Campaign
21.	20.02.2023	Syed Mukthar B Sheik Ibrahim S	III	Project Expo'23-Green Earth Campaign	Participated	Project Expo'23-Green Earth Campaign
22.	20.02.2023	Raveena M Sivaroshini M.K Subasri S	II	Project Expo'23-Green Earth Campaign	Participated	Project Expo'23-Green Earth Campaign
23.	20.02.2023	M.Raveena	II	Best Imaginator	I	International Rights Organization & Young generation forum
24.	20.02.2023	M.Michael Gowsika & J.Madhumitha	III	Best Imaginator	I	International Rights Organization & Young generation forum
25.	20.02.2023	C.Monica	III	Quick Responder	I	International Rights Organization & Young generation forum
26.	20.02.2023	M.Kasthuri	III	Best Brainy	I	International Rights Organization & Young generation forum
27.	20.02.2023	A.Kalaiaarasi	III	Best Culinary Award	I	International Rights Organization & Young generation forum
28.	20.02.2023	S.Sruthi	III	Best Verse Maker	I	International Rights Organization & Young generation forum
29.	22.02.2023 to 23.02.2023	Sweetha Sri. J D Lindhya Shree D	III	Hindusthan Innovation Contest	Participated	Hindusthan Institute of Technology

30.	28.02.2023	Ahamed Ishaq.M Ahamed S	III	Project presentation & Techie Talk	I	Kamaraj college of Engineering & Technology
31.	08.03.2023 to 10.03.2023	V Sriram Sweetha Sri .J.D Nithya Sree NK	II & III	NEC 2023	Participated	Lead College of Management
32.	10.03.2023	Vignesh K Ranjith Kumar M SuriyaPrabha T Shermagani V Gurunathan TS Sanjay C	II	ISTE-IC Innovation Contest 2023	Participated	Kalasalingam Academy of Research and Education
33.	31.03.2023	S.Sahana N.Nandhini	II	Paper Presentation	II prize	GYAN LMEC 2K23, Latha Mathavan Engineering College
34.	05.04.2023	Naveen Karthick Mukesh Kumar Parthasarathy	II	Ideathon	Participated	KPR Institute of Engineering and Technology
35.	05.04.2023	Jeyadevan J	III	Sustainability Hackathon Challenge '23	Participated	EDII, Ahmedabad
36.	21.04.2023	Praveen J Arvinth N	III	Open Challenge on Innovation- A Project Expo 2023	Participated	EDII, Ahmedabad

### EXTRA CURRICULAR ACTIVITIES BY STUDENTS



S.Veeramanikandan, II ECE has done an achievement in Indian book of records  
"under category of a long time pose in Vajrasana"





S.Veeramanikandan, II ECE representing Tamilnadu NSS cell has participated in State Republic Day Parade Camp, at Chennai



Ms.V.Rajee, I M.E-COS representing India won Gold medal in 800m event in International Championship during 1.08.2022 to 5.08.2022 held at Nepal.



Ms. S.A.Sneha, I M.E-COS representing India won Gold medal in Throw ball event in Indo-Nepal Championship during 1.08.2022 to 5.08.2022 held at Nepal.



Ms. S.A.Sneha & Ms.V.Rajee, I M.E-COS won Gold medal in Throw ball event in YSPAA National Championship 2022,Thanjavur

## விருதுநகர் – காஷ்மீர் சைக்கிள் பயணம்: மாணவர் சாதனை

விருதுநகர், ஜூன்.27- விருதுநகர் தந்தி மரத் தெருவை சேர்ந்தவர் வீரமணி கண்டன். இவர் சேது பொறியியல் கல்லூரியில் இரண்டாம் ஆண்டு படித்து வருகிறார். கடந்த 10 ம் தேதி விருதுநகரில் இருந்து 3,500 கி.மீ. சைக்கிள் பயணமாக ஜம்மு காஷ்மீர் வரை சென்றுள்ளார். தனது சைக்கிள் பயணத்தை காஷ்மீரில் பதினெட்டாம் தேதி 12 நாட்களில் நிறைவு

செய்துள்ளார். இந்த சைக்கிள் பயணம் தூய்மை இந்தியா விழிப்புணர்வு பயணத்திற்காக மேற்கொள்ளப் பட்டது என்று சாதனை மாணவர் கூறினார். இதனை பாராட்டி மக்கள் நீதி மையம் மாவட்ட செயலாளர் காவிர்தாஸ் தலைமையில் நிர்வாகிகள், விருதுநகருக்கு திரும்பிய சாதனை மாணவருக்கு சிறப்பான வரவேற்பு கொடுத்தனர்.



S.Veeramanikandan, II ECE travelled through Cycle ride for Swachhta Abhiyan Awareness from Tamilnadu to JK (3500Km)





## EXTRA CURRICULAR ACTIVITIES BY STUDENTS

S.No	Date	Name of the student	Name of the event	Position/Participation
1.	27.07.2022 to 29.07.2022	S. Veera Manikandan, II ECE	Yoga, 1st National Championship 2022 by youth sports of India	Position/Participation
2.	01.08.2022 to 05.08.2022	S. Veera Manikandan, II ECE	Yoga at 2nd INDO-NEPAL Invitational International Championship - 2022	Won Gold medal
3.	01.08.2022 to 05.08.2022	Sneha.S.A I M.E	Event: Throw ball, at 2nd INDO-NEPAL Invitational International Championship - 2022	Won Gold medal
4.	02.09.2022 to 05.09.2022	S. Veera Manikandan, II ECE	Yoga organised by Noida College of Physical Education, Noida, UP , 2022.	Won Gold medal
5.	05.09.2022	V.Rajee, I M.E	Sports - 800M Athlete, Youth sports festival national Championship-2022	I Prize
6.	11.09.2022	S. Veera Manikandan, II ECE	Artistic Yoga organised by First National Level Yoga Championship held at Vivekananda Kendra, Kaniyakumari, Tamilnadu , 2022	I Prize



## LIST OF STUDENTS PARTICIPATED IN VARIOUS EXTRA-CURRICULAR ACTIVITIES

S.No	Date	Name of the student	Year	Participation details	Position
1.	7.10.2022	T.Suya Praba	II	Fashin Parade,Sethu Institute of Technology	Second
2.	02.09.2022	T.Suya Praba	II	Face painting,E-Poster, Sethu Institute of Technology	Participation
3.	12.08.2022	S.Sridharani	II	Blood donation,Meenakshi Mission Hospital	Participation
4.	19.5.2022	V.Sriram	II	Fireless Cooking, Sethu Institute of Technology	Participation
5.	28.2.2023	M.Ahamed Ishaq	III	Project Presentation, Kamaraj College of Engg & Tech	First
6.	07.10.2022	K.Akshaya	III	Shot Gun, Sethu Institute of Technology	Second
7.	27,28.09.2022	K.Akshaya	III	SIT YANTRA, Sethu Institute of Technology	Participation
8.	4.03.2023	V.Mythili	III	Bang the floor, Sethu Institute of Technology	Second
9.	4.03.2023	V.Mythili	III	Stars tomorrow, Sethu Institute of Technology	First
10.	4.03.2023	V.Mythili	III	Enact, Sethu Institute of Technology	Second
11.	7.10.2022	M.Kasthuri	III	Cook Without Fire, Sethu Institute of Technology	First
12.	06.03.2023	J.Madhumitha	III	Debate, Sethu Institute of Technology	Participation
13.	7.10.2022	J.Madhumitha	III	Cook Without Fire, Sethu Institute of Technology	First
14.	24.08.2022	J.Madhumitha	III	Memory Game, Sethu Institute of Technology	Participation
15.	28.02.2023	S.Ahamed	III	Techie Talk, Sethu Institute of Technology	First
16.	14.10.2022	R.Rohit Nishore	III	Shout in Silence, Velammal college of Engineering & Technology	Participation
17.	14.10.2022	R.Rohit Nishore	III	Troop n Treasure, Velammal college of Engineering & Technology	Second

18.	07.09.2022	K.Santhosh Kumar	III	Blood donation, Tamilnadu State Council	Participation
19.	23.03.2023	P.Santhosh	III	Blood donation, Tamilnadu State Council	Participation
20.	07.10.2022	K.Santhosh Kumar	III	Volley Ball, Sethu Institute of Technology	First
21.	24.08.2022	Sneka	III	Memory Game, Sethu Institute of Technology	Participation
22.	24.08.2022	S.Priyadhashini	III	Memory Game, Sethu Institute of Technology	Participation
23.	06.03.2023	C.Monica	III	Debate, Sethu Institute of Technology	Participation
24.	24.08.2022	Sharu Hasini	III	Memory Game, Sethu Institute of Technology	Participation
25.	24.08.2022	Sneka	III	Dilemma Smash, Memory Game	Participation
26.	4.03.2023	T.Dhaksini	III	Innovative Idiot, Sethu Institute of Technology	First
27.	4.03.2023	M.Abiyuvaree	III	Impersonator, Sethu Institute of Technology	First
28.	27,28.09.2022	R.Harini	III	Train your Brain, Sethu Institute of Technology	Third
29.	07.10.2022	K.Brindha	III	Memory Game ,Jam, Sethu Institute of Technology	First
30.	24.08.2022	Ramya	III	Shot Gun, Sethu Institute of Technology	Participation
31.	24.08.2022	Yasmin Besgum	III	Shot Gun, Sethu Institute of Technology	Participation
32.	24.08.2022	S.Sruthi	III	Shot Gun, Sethu Institute of Technology	Participation
33.	5.06.2022	J.Siva	III	Cricket, Tamilnadu Youth Sports Council	Participation
34.	5.06.2022	J.Siva	III	Wrestling, Tamilnadu Youth Sports Council	Participation
35.	15.07.2022	J.Siva	III	Cricket,Kamraj College of Engineering & Technology	Second
36.	24.08.2022	M.Swetha	III	Memory Game, Sethu Institute of Technology	Participation

## PLACEMENT ACTIVITIES



**The Management  
congratulates the students  
placed in Aspire systems**

**The Management  
congratulates the students  
placed in Cognizant  
Technology solutions**



**The Management  
congratulates the students  
placed in Solartis  
Technology Services Pvt.Ltd**





**SOECE CONGRATULATES THE FOLLOWING STUDENTS OF 2019 - 23 BATCH  
WHO GOT PLACEMENT IN VARIOUS REPUTED ORGANIZATIONS.**

S.No	Name of The Student	Company	S.No	Name of The Student	Company
1.	Aashik Munaf G	Graet Innovus+ Varun Info	34	Kabil Dev M	KIMPL
2.	Abdul Kalam M	KIMPL	35.	Kabilarasan A	KIMPL
3.	Abdullah Musrin S	KIMPL	36.	Kamali S	Cognizant
4.	Abirami P	Concentrix+Jasmine	37.	Karthiga Mai T G	Syrma
5.	Ajay Kumar S	Concentrix+Jasmine	38.	Karthiksaran S	KIMPL
6.	Akash Kumar C K	Aspire	39.	Kaushika B	Concentrix+SMI
7.	Alagar Samy S	Renault Nissan	40.	Kisor Kumar S S	Exalca
8.	Altaf Ahamed M	KIMPL+Qspider	41.	Kokila V	JSE Engg.
9.	Anis Fathima U	Concentrix	42.	Lakshmanan M	KIMPL
10.	Arjun Ramesh C G	Cognizant	43.	Madhumitha B	Cognizant
11.	Arun Kumar K	KIMPL	44.	Manobala S	Data Pattern
12.	Arun Kumar M	Data Pattern	45.	Mohamed Ibrahim B	KIMPL
13.	Ashiq Ahamed S	Solartis	46.	Mohammed Arshad S	Concentrix
14.	Aswinpandi P S	Faurecia+KIMPL	47.	Monika S	Domex e-Data
15.	Bavithra A	Exalca	48.	Muthudivya M	Renault Nissan
16.	Darshan S	Cognizant	49.	Nagashruthi R	Domex e-Data
17.	Deva Kumar S	Cognizant	50.	Nandhini K	Domex e-Data+JSE Engg.
18.	Devarajan K	Faurecia	51.	Nandhini T S	Concentrix
19.	Dhanajebas T	KIMPL	52.	Natesh Krishnan V	SmartDV
20.	Dharaniprabha P	Aspire	53.	Nava Keerthana D	Concentrix
21.	Ezhilarasi S	Aspire	54.	Nithiya Shree M	Domex e-Data
22.	Fayaz Ahammed J	KIMPL	55.	Nivetha S	IntelliPaat
23.	Gowri G	Domex e-Data+10 Decoders	56.	Pranav Kumar K R	Renault Nissan
24.	Gowsik T	KIMPL	57.	Praveen Raj R	Concentrix
25.	Harish Kanna S	Jobin & Jismi+Rinex	58.	Ragavi M	BSA [BONFINOI]
26.	Harshini S	Domex e-Data	59.	Raghul Nath R	Solartis
27.	Dinesh S	Techvolt	60.	Ram Prasath T J	Aspire
28.	Abdulhalith A	Vinsup	61.	Rohith Prasanna S	KIMPL
29.	Jawahar S	KIMPL	62.	Sampavi Sarani R	Solartis
30.	Jesonantojoy R	Concentrix+Techvolt	63.	Sara M	Concentrix
31.	Jocelyn Belinda S	Aspire	64.	Selva Lakshmi S	Concentrix
32.	Jothi Venkatajalapathi T G	Aspire	65.	Shahfeerudeen J	Concentrix
33.	Jyoti Prakash M S	Concentrix+Graet Innovus+SL Lumax	66.	Shanthan S	Concentrix+Qspider
			67.	Sharon Jeba Gethsiyal S	Qspider

S.No	Name of The Student	Company	S.No	Name of The Student	Company
68.	Shiek Abdulla A	Faurecia+KIMPL	79.	(25/10/2002) Vasanth M	Concentrix
69.	Shiyam R	Concentrix	80.	Veena V R	Solartis
70.	Sneha R B	Concentrix	81.	Veerasakthi P	Solartis
71.	Subika S	Domex e-Data+TCS	82.	Venkatesh R	Jilaba
72.	Subitsha R	Renault Nissan	83.	Vijaya Sundar M	Vinsinfo
73.	Sugapriya M	Concentrix	84.	Vishnuprasath S	TCS
74.	Surendhar S	KIMPL+Varun Info	85.	Vishnuvarthanan R	Varun Info
75.	Surenika S	Domex e-Data	86.	Yogesh P	Concentrix
76.	Uthaikumar A	KIMPL	87.	Yuvarajan S	Cognizant
77.	Varshni T	Domex e-Data	88.	Selvaprakash R	Cognizant
78.	(08/09/2001) Vasanth M	KIMPL			

## RESEARCH LAB FACILITIES

### Centre of Excellence in Signal and Image Processing



Centre for Electronic Materials and Antenna Research Lab

## Centre for Industry supported IoT lab





## SMJ SMART PRODUCTS PVT.LTD



## PROGRAMME EDUCATIONAL OBJECTIVES

Our graduates will

- ◆ Possess strong technical knowledge in Electronics and Communication Engineering to address the real world challenges (Core Competence)
- ◆ Demonstrate continual interest to learn new technologies for successful professional career (Lifelong Learning)
- ◆ Exhibit professional skills and practice ethical principles with social consciousness (Professionalism)

## PROGRAMME OUTCOMES

### PROGRAM OUTCOMES (POs)

1. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. (Engineering knowledge)
2. Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. (Problem Analysis)
3. Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. (Design and Development of Solutions)
4. Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. (Conduct Investigations of Complex Problems)
5. Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations. (Modern Tool Usage)
6. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. (The Engineer and Society)
7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. (Environment and Sustainability)
8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. (Ethics)
9. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. (Individual and Team Work)
10. Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. (Communication)
11. Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multi disciplinary environments. (Project Management and Finance)
12. Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. (Life-long learning)

