



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
VADAPALANI CAMPUS
FACULTY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

E-CHIP

DEPARTMENT NEWSLETTER

JAN - JUN 2023

BUILD 4.01

PREFACE

This is an annual newsletter of the Department of ECE, SRM Institute of Science and Technology, Vadapalani campus. 'E-Chip' has been successful in delivering the happenings of the department. The newsletter does not only cover webinars and symposiums but also encompasses various other details such as placements, publications of research papers in various conferences and journals for the readers. This edition of the newsletter has incorporated designs and emerging as a blend of professionalism and innovation. Electronics and communication have transformed the way we live, connect, and interact with the world around us. From smartphones to satellite communications, from smart homes to advanced medical devices, ECE plays a pivotal role in shaping our modern society. As we embark on this exciting journey, we are thrilled to present a compilation of articles and features that showcase the vibrant spirit of our department.

The editors from the editorial team left no stone unturned. The webinars, symposium and the FDP programmes saw numerous registrations from various institutions across the nation.

We would like to thank Dr.C.V.Jayakumar, Dean FET for his guidance and mentorship, Dr.C.Gomthy, Vice Principal (Academics & Placements) for her words of encouragement, Dr. A.Shirly Edward, HOD/ECE for her unwavering support to the magazine team, Mrs. R.Sathiya and Mrs. A.Vasuki for providing us with the information we needed and guiding us in a proper way. The design team has invested a significant amount of effort and dedication in crafting the department's magazine. Their commitment and expertise are clearly evident throughout the publication, showcasing a level of professionalism that is truly commendable.

We sincerely hope the newsletter finds you in good health and keeps you informed and related to the department.

Sincerely
The Editorial Board
E-CHIP 4.01

VISION

To produce globally competitive and socially responsible engineering graduates and to bring out quality research in the frontier areas of Electronics and Communication Engineering.

MISSION

To provide quality education in the domain of Electronics and Communication Engineering through periodically updated curriculum, State of the Art laboratory facilities, collaborative ventures with the industries and effective teaching learning process.

To pursue research and new technologies in Electronics and Communication Engineering and related disciplines in order to serve the needs of Society, Industry, Government and Scientific community.

MESSAGE FROM THE HOD



Dear Readers,

Warm Greeting & Wishes from the Department of ECE!!!

It is with great pleasure I invite you to read this edition of BUILD 4.01 bi-annual newsletter which showcases our department's activities and achievements from JAN-JUNE 2023. This edition is a celebration of innovation, knowledge, and camaraderie that binds our ECE family.

E-CHIP 4.01 is a testament to our community's unwavering commitment and passion. Together, we have built an ecosystem nurturing creativity, encouraging collaboration, and embracing diversity, propelling us towards a brighter, smarter, and more connected future. I feel proud to say that as a result of collective effort of our faculty and students, ECE department, SRM IST, Vadapalani campus is distinctly ahead with a placement record of 96% (still ongoing) which includes good number of super dream and dream offers. To our esteemed faculty members, your guidance and mentorship for our students made them to achieve the goal. To our talented students, your dedication, passion, and unwavering commitment to excellence are the very essence of our ECE Department.

As we celebrate our accomplishments and potential, let's remember the journey of brilliance is never-ending. Together, let's push boundaries, explore frontiers, and ignite the flame of innovation.

Wishing you all a very fruitful and successful academic year ahead, Stay safe.

Regards
Dr.A.Shirly Edward

THE E-CHIP TEAM

EDITORIAL BOARD

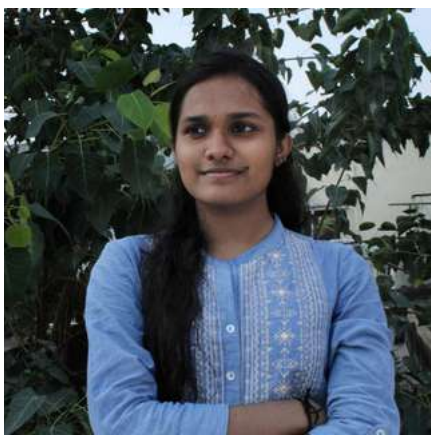


Mrs.Sathiya R
Faculty Coordinator
Asst.Professor (Sr.G)
Department of ECE



Mrs.Vasuki A
Faculty Coordinator
Asst.Professor (Sr.G)
Department of ECE

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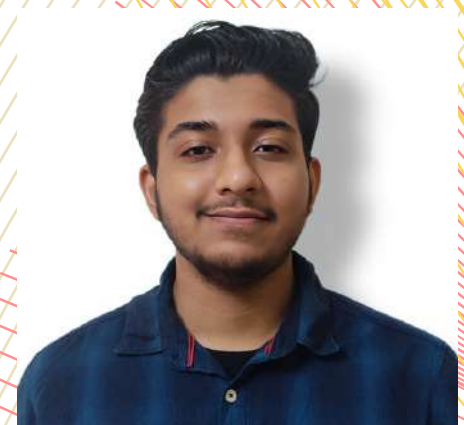


Navithyan P

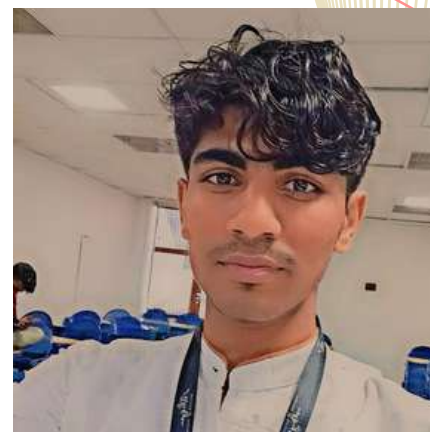
EDITORS



Samritha K



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**Vivek
Bengani**



**Harihara
subramanian N**

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OUTREACH EVENTS

Outreach for School Students - Internet of Things

Domain: IoT

Date: 4th January 2023

Faculty Coordinator: Mrs.V. Akila, Assistant Professor

An Outreach school program on "Internet of Things" was successfully organized at Sitaram Vidyalaya West Mambalam, Chennai for 50 enthusiastic 11th and 12th grade students, providing exposure to the latest developments in Electronics and Communication Engineering.



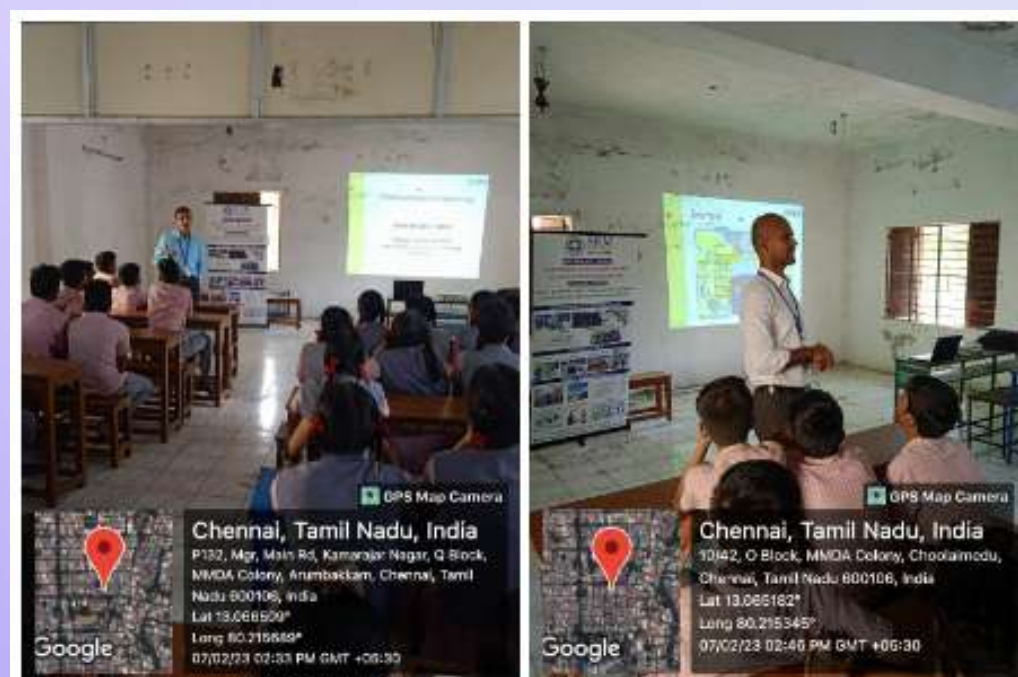
OUTREACH PROGRAM ON COMMUNICATION ENGINEERING

Domain: Communication Engineering

Date: 7th February 2023

Faculty Coordinator: Dr. T.S. Balaji, Assistant professor and Dr.P.Kabilamani, Assistant Professor

Program started with communication engineering introduction. Students of Government Higher Secondary School, Arumbakkam actively participated, gained knowledge, and enriched their understanding in communication engineering and IoT.



SCHOOL OUTREACH EVENT

Domain: Cultural Competition

Date: 27th Feb 2023

Faculty Coordinator: Mrs.V.Bhuvanewari, Assistant Professor , Mr.P.Rathina Kumar, Assistant Professor

We conducted a school outreach program in Alpha Matriculation Higher Secondary School, Tambaram, Chennai. Five competitions like drawing, essay writing, elocution, face painting, and junk art were conducted. The event was filled with great enthusiasm and active participation among the students.



OUTREACH PROGRAM

Domain: Outreach

Date: 28th March 2023

Faculty Coordinator: Mr.S.Balaji Assistant Professor, Dr.T.S.Balaji Assistant Professor , Mr.A.Dinesh Babu Assistant Professor.

One day outreach programme was successfully conducted at Govt.adw.boys.Hr.Sec.School Sevvapet, Tiruvallur with overwhelming response - 45 participants from 9th and 10th grade. Introduction on Accessible & Clean Energy, detailed explanation of UN's Sustainable Development Goals presentation on green energy, students' insightful feedback.



WORKSHOP

Fix N Frame Workshop

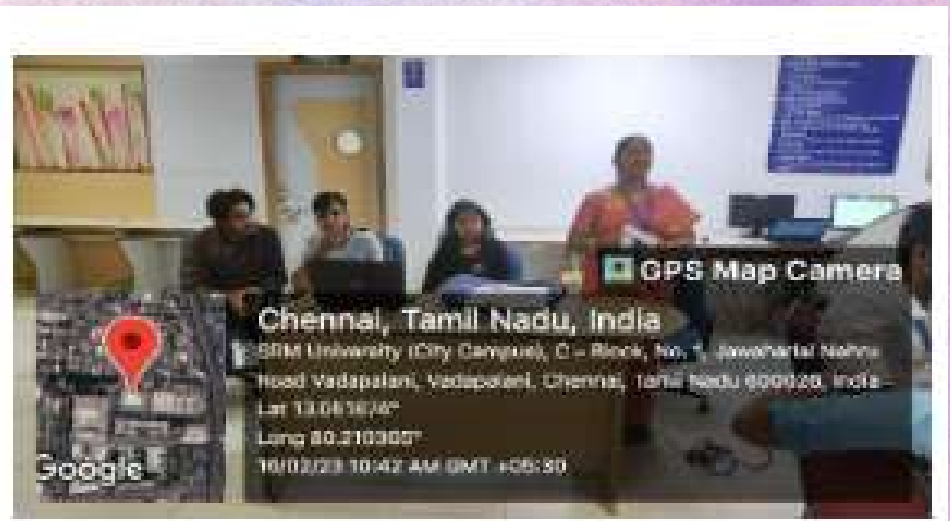
Domain: Workshop

Date: 16th Feb 2023

Resource person: Mr. Jagat and Mr. Ashwanth from NJ Entertainment.

Faculty Coordinator: Dr.J. Anita Christaline, Assistant Professor.

As part of Abhigyan 2023, the department of ECE, SRM IST Vadapalani organised a workshop “Fix N Frame”. It was a one-day workshop with hands-on session in photoshop, video editing, photography skills and other digital design software.



WiFi WIZARDRY WORKSHOP

Domain: Workshop

Date: 17th Feb 2023

Faculty Coordinator: Mrs.V.Bhuvaneshwari, Assistant Professor

WiFi Wizardry Workshop is a pre-event of Abhigyan’23 a national-level symposium. This workshop mainly focused on engineering students to know about Wireless communication using the Wi-Fi module.



ROBOSTA WORKSHOP

Domain: Workshop

Date: 20th Feb 2023

Faculty Coordinator: Ms. A. Vasuki ,Assistant Professor.

As a part of Abhigyan 2023 workshop “Robosta” was organised. Nearly 90 students participated in the workshop from the different branches of engineering. The participants learned on basics of IoT, Robotics, and a hands-on demo of a robotic arm was done.



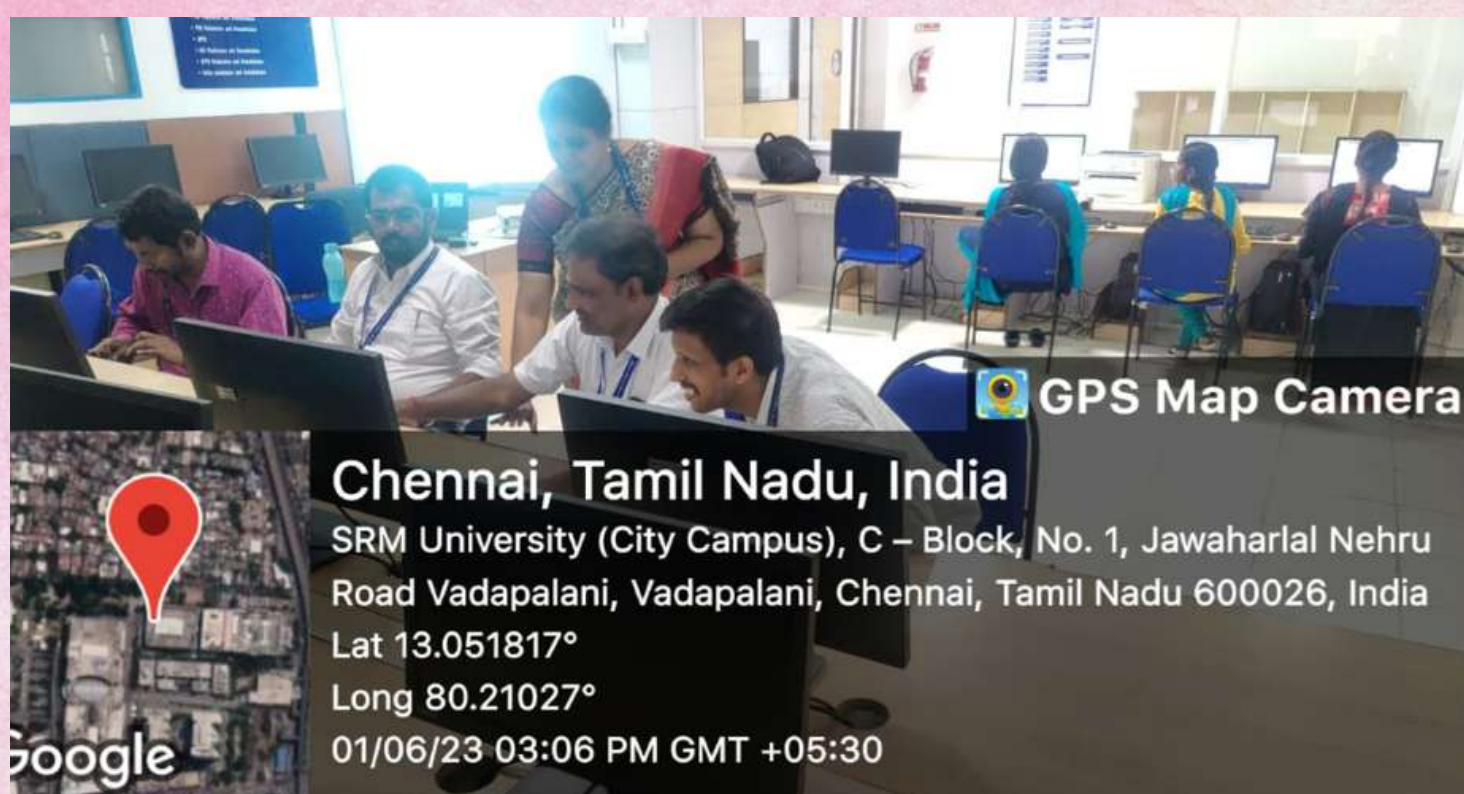
WORKSHOP on MATLAB for NON-TECHNICAL FACULTY MEMBERS

Domain: Workshop

Date: 1st June 2023

Faculty Coordinator: Mrs.V.Akila Assistant Professor.

Faculty members from ECE, CSE, and Mechanical departments attended the workshop. This program covers MATLAB training session covering basic matrix manipulation, waveform plotting through hands-on session.





TECH TALK SERIES



GUEST LECTURE ON JOB ASPECTS IN VLSI DESIGN

Domain: Tech talk

Date: 31st January, 2023

Resource person: Mr. Ramanathan, HR Manager,
Tessolve Semiconductors

Faculty Coordinator: Dr.S.Karthik, Assistant
Professor

The resource person provided an overview of semiconductors and introduced ICs, discussing their recent trends and applications. They also covered topics such as ASIC flow, fab and fables design, and highlighted the necessary skills for entering the semiconductor industry.



FOUNDATION OF AI AND DATA ANALYTICS

Domain: Teck talk

Date: 11th January, 2023.

Resource person: Mr.Udhay Shankar, founder
DIYA Robotics

Faculty Coordinator: Mr.S Balaji, Assistant
Professor

The session was highly informative. The speaker interacted with the students about the practical application of AI . Many students actively participated during the interactive session.



RECENT TRENDS IN VLSI DESIGN

Domain: Tech talk

Date: 20th March 2023

Resource person: Dr. D. Vaithyanathan, Assistant
Professor, Associate Dean (Academics), and Chief
Vigilance Officer of NIT Delhi.

Faculty Coordinator: Dr. Priti Rishi, Associate
Professor

The session was highly effective and informative. The speaker interacted with the students about the basics of VLSI Design and the recent trends. All the first, second, and third-year students of the ECE department attended this lecture.





ALUMNI EVENTS



ALUMNI MENTORING SESSION ON PRODUCT MANAGEMENT

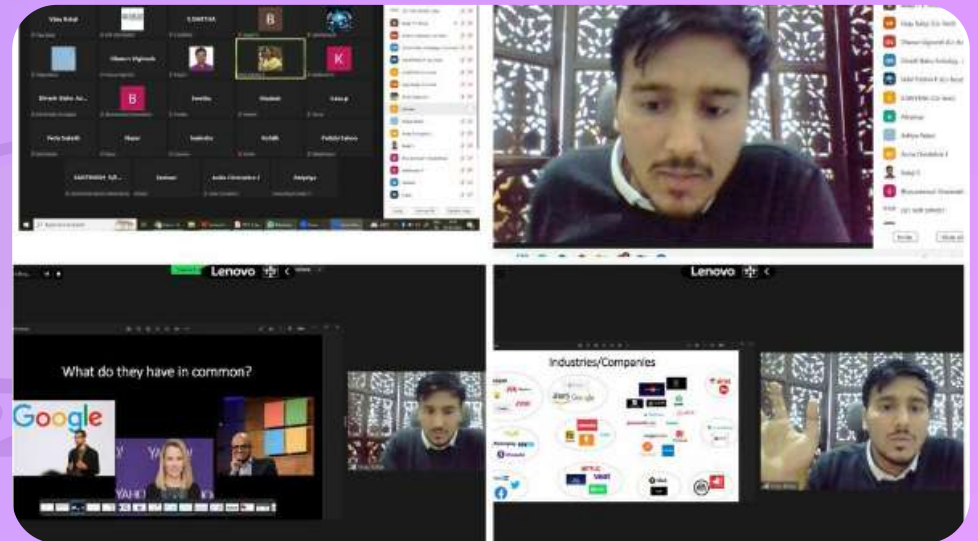
Domain: Alumni Talk.

Date: 1st February 2023

Resource person: Mr. Vijay Balaji - marketing, finance and general administration from SIBM Pune

Faculty Coordinator: Mr. A Dinesh Babu, Assistant Professor

Alumni talk on product management was held online. Speaker gave an elaborate insight about the means of product management, the role of product manager and its importance with relevant examples.



DATA SANGAMAM

Domain: A Conclave on Data Science

Date: 24th June 2023

Resource Person: Mr Abishek Nagendran, Data and Analytics Chapter Lead, Fusion5, New Zealand
Batch 2010 - 2014

Ms Priyadarshini, Lead - Digitilisation, Tata Power, Bengaluru

Batch 2012 - 2016 Mr Surag Gupta, ML Scientist, Apple, USA
Batch 2009 – 2013

Mr Anirban Meghamala, Senior Business Intelligence Consultant,

Novo Nordisk Batch 2010-2014 Mr Shuaib Khan, Data Scientist, AbbVie, USA, Batch 2014 – 2018

Mr Suryamitra Akkipeddi, Senior Data Analyst, SYNQ3, USA, Batch 2012 – 2016

Mr Dinesh Kumar, Senior Data Engineer, PropertyGuru Group, Singapore Batch 2010 2014

Mr Santhosh Edulapalle, Data Analyst Intern, Jetro Restaurant Depot, USA Batch 2015 - 2019

Faculty Coordinator: Mr. A. Dinesh Babu, Assistant Professor



Data Sangamam “A Conclave on Data Science” provided interesting facts about data science. The opportunities for data science in different fields were discussed in the session.



ALUMNI EVENTS



ALUMNI MENTORING SESSION ON “CAREER PROSPECTS IN STARTUP VS CORPORATE”

Domain: Alumni Talk

Date: 24th February 2023

Resource person: Mr. Sabresh Mouli, Senior Account Executive – CRM Freshworks

Faculty Coordinator: Mr. A.Dinesh Babu, Assistant Professor, Dr.P.Kabilamani, Assistant Professor

Career Opportunity in startup and corporate were discussed by the resource person the session was more interesting & useful for students.

SRM Institute of Science and Technology
College of Engineering and Technology
Vadapalani Campus

Department of Electronics and Communication Engineering
&
Directorate of Alumni Affairs
jointly organize

MENTORING SESSION

Title:
Career Prospects in
Startup vs Corporate

Alumni Speaker
Mr. Sabresh Mouli
Senior Account Executive – CRM
Freshworks
Alumni Batch 2014 – 2018

Friday
24/02/2023
09.00 AM

III Floor - Auditorium
C Block

Organising Committee

Dr A Rathinam
Director - DAA

Dr A Shirly Edward
HOD/ECE

Dr V Rajasekar, Campus Head - Alumni Affairs
Mr A Dinesh Babu, Asst.Prof./ECE
Dr P Kabilamani, Asst.Prof./ECE
Department Alumni Coordinators

ALUMNI TECH TALK ON MACHINE LEARNING IN AUTOMATION SYSTEMS

Domain: Alumni Talk

Date: 27th April 2023

Resource Person: Mr.Alluri Ram Charan, Off-Highway products Controls Engineer

Faculty Coordinator: Mr.A.Dinesh Babu, Assistant Professor

The speaker discussed about various navigation systems used in autonomous systems, including GPS navigation, IMU navigation, and landmark-based localization. The session was more interesting and covered the importance of machine learning in industry automation.

SRM Institute of Science and Technology
College of Engineering and Technology
Vadapalani Campus

Department of Electronics and Communication Engineering
&
Directorate of Alumni Affairs
jointly organize

TECHNICAL TALK SESSION

**Title: Machine Learning
in Autonomous Systems**

Alumni Speaker
Mr. Alluri Ram Charan
Off-Highway Products Controls
Engineer,
Cummins Inc., Indiana, USA.
Alumni Batch 2013 – 2017

Saturday
29/04/2023
11.00 AM

Online - Google Meet
Platform

Organising Committee

Dr A Rathinam
Director - DAA

Dr A Shirly Edward
HOD/ECE

Dr V Rajasekar, Campus Head - Alumni Affairs
Mr A Dinesh Babu, Asst.Prof./ECE
Department Alumni Coordinator

Visit to IITM Research Park

Domain: FIIP

Date: 11th January, 2023.

Faculty Coordinator:

The ECE department's faculty team visited CODIIS at IITM Research Park.

Mr. Bharath, the Director, and Dr. Gayathri Devi, the Project head, presented opportunities for student project interns, final year projects, and faculty FIIP.



WEBINAR ON “A JOURNEY INTO STARTUPS”

Domain: Webinar

Date: 27th March 2023

Resource person:

Mr. Akash J, CEO, ATUMX Innovations Pvt. Ltd

Faculty Coordinator:

Mr. A. Dinesh Babu, Assistant Professor,
Dr. T. S. Balaji, Assistant Professor



Resource person presented his startup, ATUMX, and shared his personal startup journey, highlighting key insights. He discussed essential components for building a successful startup and effective marketing strategies. The participants gained valuable knowledge on these crucial factors for startup success.

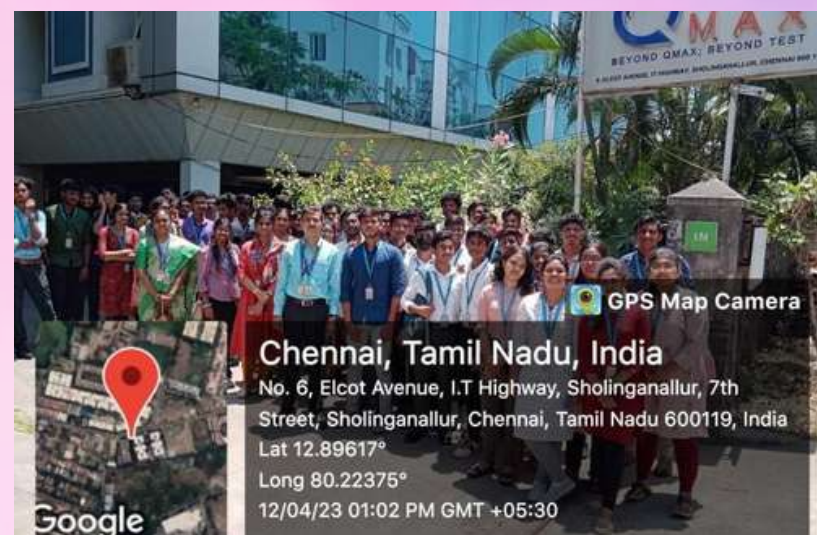
INDUSTRIAL VISIT REPORT - I YEAR ECE DS

Domain: Industrial visit

Date: 12th April 2023

Faculty Coordinator:

Dr. T. S. Balaji, Assistant Professor and
Dr. V. P. Kavitha, Assistant Professor.
Dr. S. Karthik, Assistant Professor organized
the visit with Qmax Test Equipment Private Limited.



Students visited QMAX TEST EQUIPMENT PVT LTD, Chennai. Mr. Santhanam GM, Training and Development, explained PCB manufacturing, component fixation, soldering, testing, and board finishing. Demonstrated PCB conversion to electronic boards for various purposes.



FDP ON BLOCKCHAIN TECHNOLOGY

Domain: Faculty Development Program

Date: 03th April 2023 to 08th April 2023.

Resource person:

Dr.J.Anita Christaline, Asst.Professor/ECE,
SRM Institute of Science and Technology,
Vadapalani Campus

Dr.Rajeshwari M Banakar -Professor /ECE,
KLE Technological University, Karnataka

Dr. Maheswari R-Professor/HoD,CSE-CPS,
Vellore Institute of Technology, Chennai

Dr.P.Vijayakumar-Professor/ECE,
SRM Institute of Science and Technology,
Kattankulathur

Faculty Coordinator:

Mrs.A.Vasuki,Assistant Professor

Fundamentals of blockchain, Hyperledger and Ethereum, Unblocking the Blockchain-Hyperledger And Solidity, Integration of Blockchain and Machine learning these topics were covered by the resource person. Around 96 participants from different Institutions registered and attended the FDP program.

The poster is for a Faculty Development Program (FDP) on Blockchain Technology. It is organized by SRM Institute of Science and Technology, Vadapalani Campus, College of Engineering and Technology, Department of Electronics and Communication Engineering. The program is titled 'Faculty Development Program ON BLOCKCHAIN TECHNOLOGY (With Hands-on Sessions)'. The dates are 03.04.2023 - 08.04.2023, and the time is 06:00 PM - 07:30 PM. The poster lists four resource persons: Dr. J. Anita Christaline (03.04.2023, Asst. Professor/ECE, SRMIST, Vadapalani, Topic: Fundamentals of Blockchain), Dr. Rajeshwari M Banakar (04.04.2023 - 05.04.2023, Professor, KLE Technological University, Karnataka, Topic: Blockchain Hyperledger & Ethereum), Dr. P. Vijayakumar (06.04.2023, Professor/ECE, SRMIST, Kattankulathur, Topic: Integration of Blockchain & Machine Learning), and Dr. Maheswari R (07.04.2023 - 08.04.2023, Professor & HoD CSE CPS, VIT Chennai, Topic: Hands-on unblocking the Blockchain-Hyperledger & Solidity). The registration link is <https://forms.gle/25CFnc6MQaYkxBZe7>. The coordinator is Mrs. A. Vasuki (Asst. Professor/ECE) and the convener is Dr. A. Shirly Edward (HoD/ECE). The mode is online, and the registration fee is 200/-, with an E-Certificate provided to active participants. The poster also features accreditation logos for NAAC (A++), NIRF (2022 Ranked 19th University), QS (2023 World Ranking one among 41 Indian Universities), THE (2023 World Ranking one among 75 Indian Universities), ARIIA (2023 Ranked 4th), and SHANGHAI RANKING (2023 World Ranking one among 14 Indian Universities). Social media links for Facebook (srmist vdp), Instagram (srm_ist_vdp), and the website (srmist.edu.in) are provided at the bottom.



COMPETITIONS

POSTER DESIGN COMPETITION

Domain: Competition

Date: 15th Feb 2023

Faculty Coordinators: Mrs. R. Sathiya and Mrs. A. Vasuki

Nearly 50 students participated and designed innovative posters. The designed posters were really creative and enlightening. The posters were evaluated by the judges and prizes and certificates were distributed to the students.



SYMPOSIUM

ABHIGYAN'23



Domain: Symposium

Date: 22.02.2023 to 23.02.2023

Chief Guest:

Dr V.V. Veerappan, President and Co-Founder of Tessolve Semiconductor Private Limited.

Dr.S.Velmourougan, Additional Director and Scientist Electronics Test and Development Centre, STQC Directorate, Chennai.

Faculty Coordinator: Dr.S.Karthik , Assistant Professor

ABHIGYAN'23, the 11th edition of a National Level Technical Symposium for Students, focused on the theme "Exploring the Frontier of Semiconductor Evolution." The iconic event commenced with the students designing the prototype logo of "Make in India" using E-waste.

XION'2023

Domain:Robotics Tech Fest

Date: 11th April, 2023

Chief Guest:

Mr. Rajagopalan.J, Senior DGM (Retd.) from Bharat Electronics Limited, Chennai.

Faculty Coordinator:

Dr.J.Anita Christaline, Assistant Professor

The event included technical paper presentations as well as technical competitions such as Robo Soccer, Path Finder, Ramp Up, Robo War, Robo quiz, and other robotic-related events to test the technical and non-technical skills. Various events were conducted and the winners were awarded.



INTERNATIONAL CONFERENCE

INTERNATIONAL CONFERENCE ON RESEARCH IN ELECTRONICS ENGINEERING AND COMMUNICATION TECHNIQUES (ICREACT'2023)



Domain: International Conference

Date: 3rd and 4th May 2023.

Resource person:

Dr Manu Jaiswal, Professor, Physics - IIT Madras.

Dr. Vibha Chaswal Ph.D, DABR, Senior Medical Physicist, Miami Cancer Institute, USA

Dr.B.Sundaravadivazhagan, Department of Information Technology, University of Technology & Applied Sciences, Oman.

Faculty Coordinator: Dr.S.Karthik,Dr.Priti Rishi,Dr. J Anita Christaline

INDUSTRY CONNECT - TESSOLVE MOU



On June 8, 2023, a Memorandum of Understanding (MoU) was signed between SRM Institute of Science and Technology (SRMIST), Vadapalani campus, and Tessolve Semiconductors, Bangalore. The MoU aims to establish a collaborative relationship between the two institutions for mutual benefit and advancement in the field of semiconductor technology.



FAREWELL

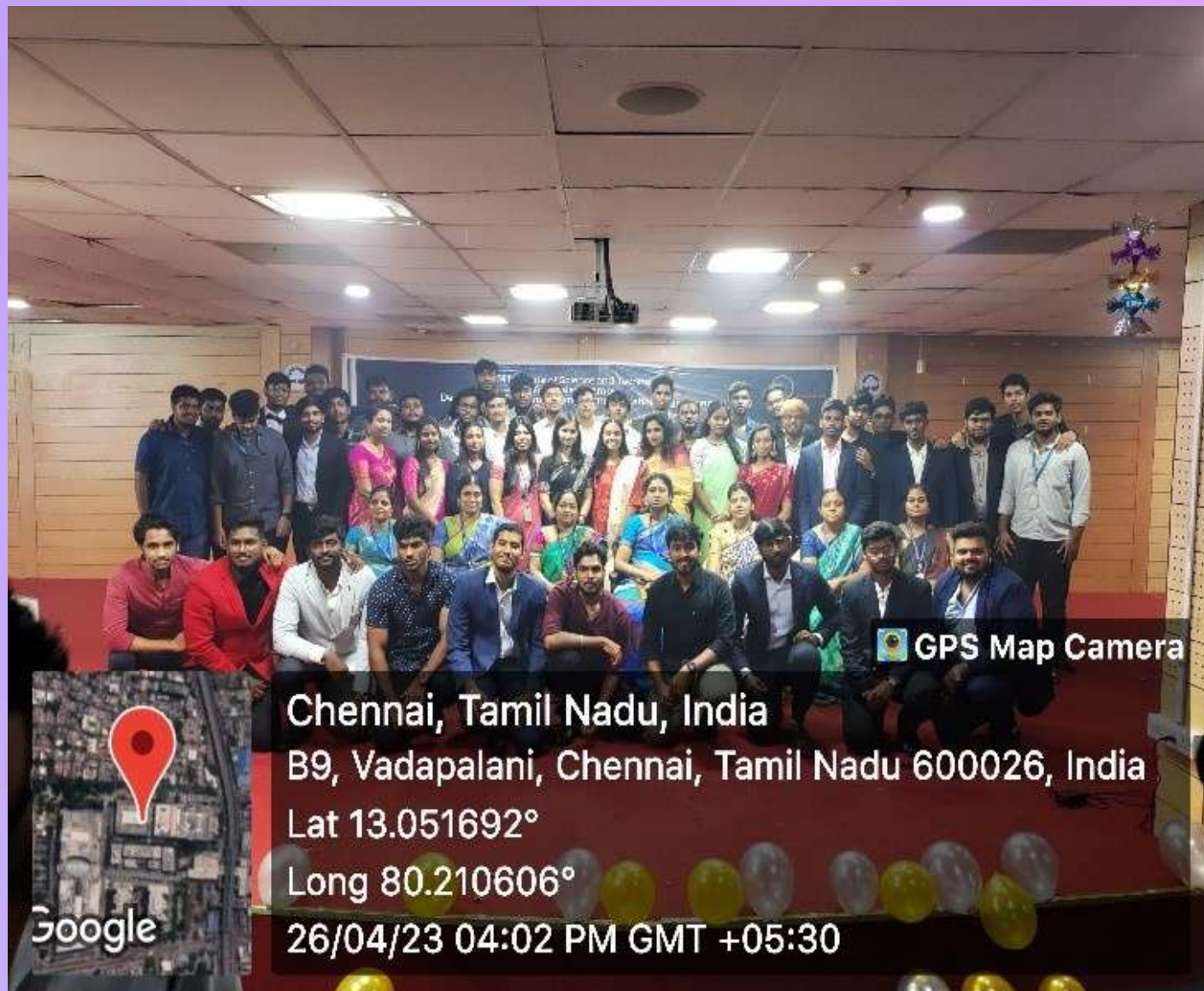
ADIOS



Domain: Farewell

Date: 26th April 2023

100+ participants attended the farewell for final year and third year students, along with faculty. "ICONS OF ECE" award announced for 14 students, outstanding performers, who were honored with mementos. Group photo session and entertaining activities followed.



STUDENT ACHIEVEMENTS

1st YEAR

S.NO	NAME	CLASS & SEC	ACHIEVEMENT
1.	Pooja Yamini R R Rageshree Saha Vaishini Viraj rajesh	ECE DS B	Secured II Place in National Science day Project competition held on 28 th February 2023
2.	R.Lakshana A.Spandana Sharvesh.S M Mahalakshmi.B	ECE DS B	Secured IV Place in National Science day Project competition held on 28 th February 2023
3.	Navithyan P	ECE DS B	Secured II Place in National Science day English Speech competition held on 28 th February 2023
4.	P T Nakul Sharath	ECE DS B	(SAARANG'23), (RIVERIA'23), (SSM'23),(VIBRANCE '23),(MIT'23) Winner in Group Dance

3rd YEAR

S.NO	NAME	CLASS & SEC	ACHIEVEMENT
1.	Akshay Prasad R	ECE	Star Rotaractor of the year 2022-2023
2.	Varun Subramanian V	ECE	Broadcast Engineering Consultant India limited (BECIL- Central Government)

4th YEAR

S.NO	NAME	CLASS & SEC	ACHIEVEMENT
1.	Abipriya Vandhana Raman	ECE	Certified Microsoft Power BI Data Analyst by ICT Academy

SPORTS ACHIEVEMENTS

INTRAMURAL SPORTS AND GAMES (2022 - 2023)

TEAM(MEN)

4th YEAR

1. PON VAIRAVAN R A

3rd YEAR

2. JAI SHANKAR .G

3. VARUSUBRAMANIAN.V

4. AKSHAY PRASAD. R

5. VARUN KUMAR.R

2nd YEAR

6. MERVIN ALISTER.M

7. GNANEESHWAR.A.D

8. KISHORE.K

9. IYAPAN YOGESH S

10. S.SAISANJITH

11. KARTHIKEYAN R

12. NITHEESH S H

13. SAI SAREESH S

1st YEAR

14. THOMAS P

15. THAMARAISELVAN

RUNNER UP IN FOOT BALL



RUNNER UP IN VOLLEY BALL



4th YEAR

1. R. MOHIEITH

2. M. MUTHU KANNAN

3. PAWAN KALYAN G

4. SHYAAM SUNDHAR E

5. ASHWIN KUMAR.V

3rd YEAR

6. DINESH BABU.K

2nd YEAR

7. ASHOK KUMAR M

8. KISHORE K

9. IYAPAN YOGESH S

10. PRADHESH .T

11. S.SAISANJITH

1st YEAR

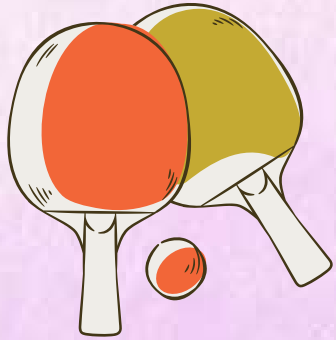
12. THARMARAJ

SPORTS ACHIEVEMENTS

INTRAMURAL SPORTS AND GAMES (2022 - 2023)

TEAM(MEN)

RUNNER UP IN TABLE TENNIS



1. SHYAAM SUNDHAR E - 4th YEAR
2. KISHORE K - 2nd YEAR

TEAM (WOMEN)

RUNNER UP IN BADMINTON

1. S VIDHULA SREE - 4th YEAR-ECM
2. PRATHIKSHA C - 4th YEAR-ECM
3. SRILAKSHMI S - 2nd YEAR -ECE



RUNNER UP IN TABLE TENNIS



1. DHANUSH STRI V- 2nd YEAR -ECE DS
2. VANDHANA RAMAN - 4th YEAR-ECE

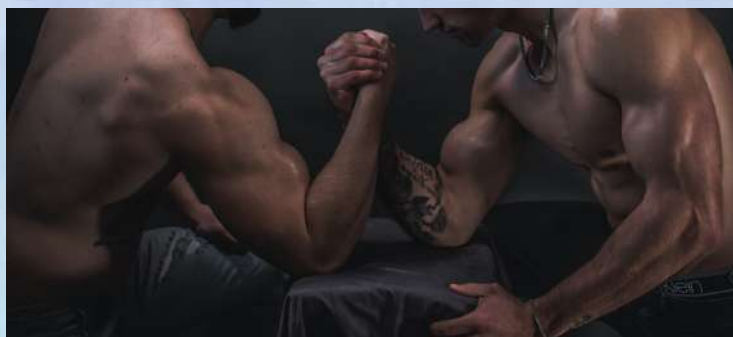


SPORTS ACHIEVEMENTS

INTRAMURAL SPORTS AND GAMES (2022 - 2023)

INDIVIDUAL (MEN)

1. 100 MTRS RUNNING - 3rd PLACE - GANESH KRISHNA 1st YEAR ECE DS
2. 200 MTRS RUNNING - 2nd PLACE - MUTHU KANNAN 4th YEAR ECE
3. 400 MTRS RUNNING - 2nd PLACE - SAI SAREESH 2nd YEAR ECE
4. 4 X 100 MTRS RELAY - 3rd PLACE - MUTHU KANNAN 4th YEAR ECE, GANESH KRISHNA 1st YEAR ECE DS, SAI SAREESH 2nd YEAR ECE, DINESH BABU 3rd YEAR ECM
5. 4 X 400 MTRS RELAY - 2nd PLACE - MUTHU KANNAN 4th YEAR ECE, SAI SAREESH 2nd YEAR ECE, RAHUL KANNA 3rd YEAR ECE, VARUN SUBRAMANIAN 3rd YEAR ECE
6. DISCUS THROW - 3rd PLACE - GOWRISETTI TARUN KUMAR 4th YEAR ECE
7. SHOT PUT - 1st PLACE - GOWRISETTI TARUN KUMAR 4th YEAR ECE
8. ARM WRESTLING 55KG - 2nd PLACE - JAYAPRAKASH
9. ARM WRESTLING 60KG - 3rd PLACE - SANJAY
10. ARM WRESTLING 65KG - 3rd PLACE - SAI SAREESH 2nd YEAR ECE
11. ARM WRESTLING 80KG - 1st PLACE - MILAN 1st YEAR ECE
12. ARM WRESTLING 85 KG - 1st PLACE - VARUN SUBRAMANIAN 3rd YEAR ECE
- 2nd PLACE - THIRUMALAI SWAMY 1st YEAR ECE DS



SPORTS ACHIEVEMENTS

INTRAMURAL SPORTS AND GAMES (2022 - 2023)

INDIVIDUAL (WOMEN)

1. 4 X 100 MTRS RELAY -

-> 2nd PLACE - VANDHANA RAMAN 4th YEAR ECE, HARINE 4th YEAR ECE, KARRI SOWMIA 4th YEAR ECE, HEMASRI 1st YEAR ECE.

-> 3rd PLACE - RINTHYA 4th YEAR ECM, VIDHULA SHREE 4th YEAR ECM, PAVITHRA 2nd YEAR ECE DS, KEERTHIKA 2nd YEAR ECE.

2. SHOT PUT - 3rd PLACE - KAVEYA D 1st YEAR ECE DS

3. ARM WRESTLING 50KG - 1st PLACE - SMRUTHI NARAYAN 4th YEAR ECM
- 3rd PLACE - PAVITHRA 2nd YEAR ECE DS

4. ARM WRESTLING 55KG - 1st PLACE - HARINI SAI 2nd YEAR ECE DS

5. ARM WRESTLING 65KG - 1st PLACE - SATHRIKA

6. ARM WRESTLING 70KG - 1st PLACE - VIDHULA SHREE 4th YEAR ECM
- 2nd PLACE - HEMASRI 1st YEAR ECE

7. ARM WRESTLING 75 KG - 1st PLACE - SHAHEEN BEGUM 2nd YEAR ECE DS
- 2nd PLACE - SRILAKSHMI 2nd YEAR ECE



SPORTS ACHIEVEMENTS

TAMILNADU CM TROPHY CHENNAI DISTRICT TOURNAMENT TABLE TENNIS



-> **D.R.SRI SAI ADARSH**
4th YEAR ECM

Secured 3rd Place in Tamil Nadu trophy Chennai district tournament in table tennis.

STATE LEVEL INTER ENGINEERING COLLEGE TOURNAMENT TABLE TENNIS

-> **D.R.SRI SAI ADARSH**
4th YEAR ECM

Secured 1st place in State level Inter Engineering college tournament in table tennis held at Sairam Engineering College, Chennai.



UNIVERSITY RANK HOLDERS

BATCH (2019-2023)

CONGRATULATIONS

FULLTIME STUDENTS



S.PADMANABAN

B.Tech ECE with
specialisation in Biomedical
FIRST RANK

S.SMRUTI NARAYAN

B.Tech ECM
SECOND RANK

R.V.NIVATHITHA

B.Tech ECM
THIRD RANK

BIBHU PRASAD SAHA

B.Tech ECM
THIRD RANK

PART TIME STUDENT



LOKESHWARAN

B.Tech ECE
SECOND RANK



ICONIC ACHIEVERS

BATCH(2019-2023)



S SMRUTHI NARAYAN
Iconic coordinator



PADMA POOSHITHA T M
Iconic coordinator



S VIDHULA SREE
Iconic coordinator



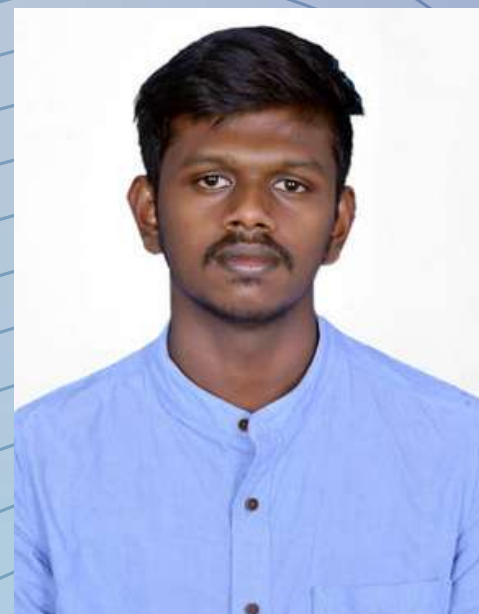
THINESH V S
Iconic Innovator



DHARSHAN KUMAR S
Iconic Innovator



SRI SAI ADARSH D R
Iconic Sports Star



HARIHARAN V
Iconic All Rounder



S PRADEEP GANESH
Iconic Achiever



BIBHU PRASAD SAHA
Iconic Achiever



S PADMANABAN
Iconic Achiever



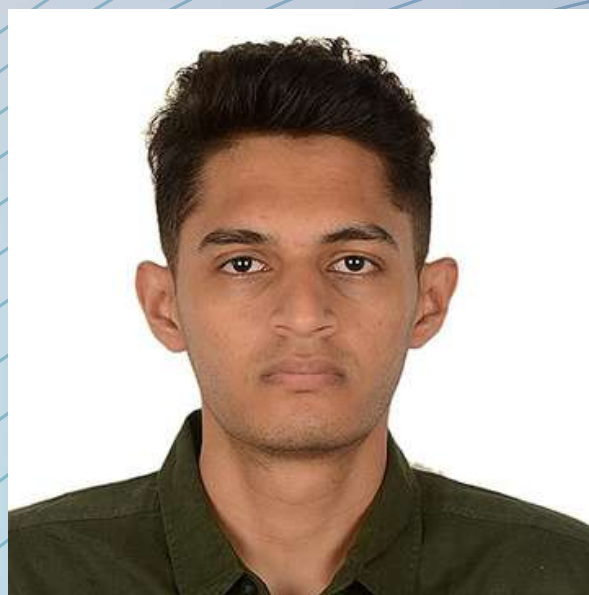
NISHANTH P L
Iconic Designer



ABDUR RAHMAN M F
Iconic Designer



C V VENKATESHWARAN
Iconic Designer



ANKIT MUKHERJEE
Iconic Performer

STUDENT INTERNSHIP

3rd YEARS

LETS GROW MORE

HARI BALAJI DARSHAN.K
SANTHOSH S UDIT SRINIVASAN N
THEJAS N ABHIDEEP MUSTAUFU
VISHAL B KARTHIK B
ABHISHEK K S SRUTHY R
ROHITHKRISHNA R DINESH BABU K
M BALAJI S M NISHANT
JEYNITHISH MAADESHWARAN N



BSNL



ANILA

MSME (GOVT OF INDIA)



N.AKSHAYA
KAVYA E R
SNEGHA
SHRADA

SEIMENS



AKSHAY PRASAD R

TAMIL NADU SMART AND ADVANCED MANUFACTURING CENTRE

VARUN SUBRAMANIAN
JAISHANKAR G



CISCO



JAVID MOHAMMED

VITALCORE TECHNOLOGIES PRIVATE LTD



RITY NIVEDHA Y

STUDENT INTERNSHIP

3rd YEARS

KAASHIV INFOTECH



RAHUL KANNA R VIJAY R R
HEMALNATH ADITYA NAIR
VISHWA P K A RAGU KAUSHIK
VARUN KUMAR
DARSHAN KUMAR M
MOHAMMED NAZAR M R

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PALLABI SAHOO
SASINDRA S
PRATYUSHA

TATA - FORAGE



JATLY
PERLA SAKETH

DLK CAREER DEVELOPMENT



SUJITHA
PRIYADARSHINI

CODE BIND TECH.



AKSHAYA S

CMRL



R.ANORAS NANCY

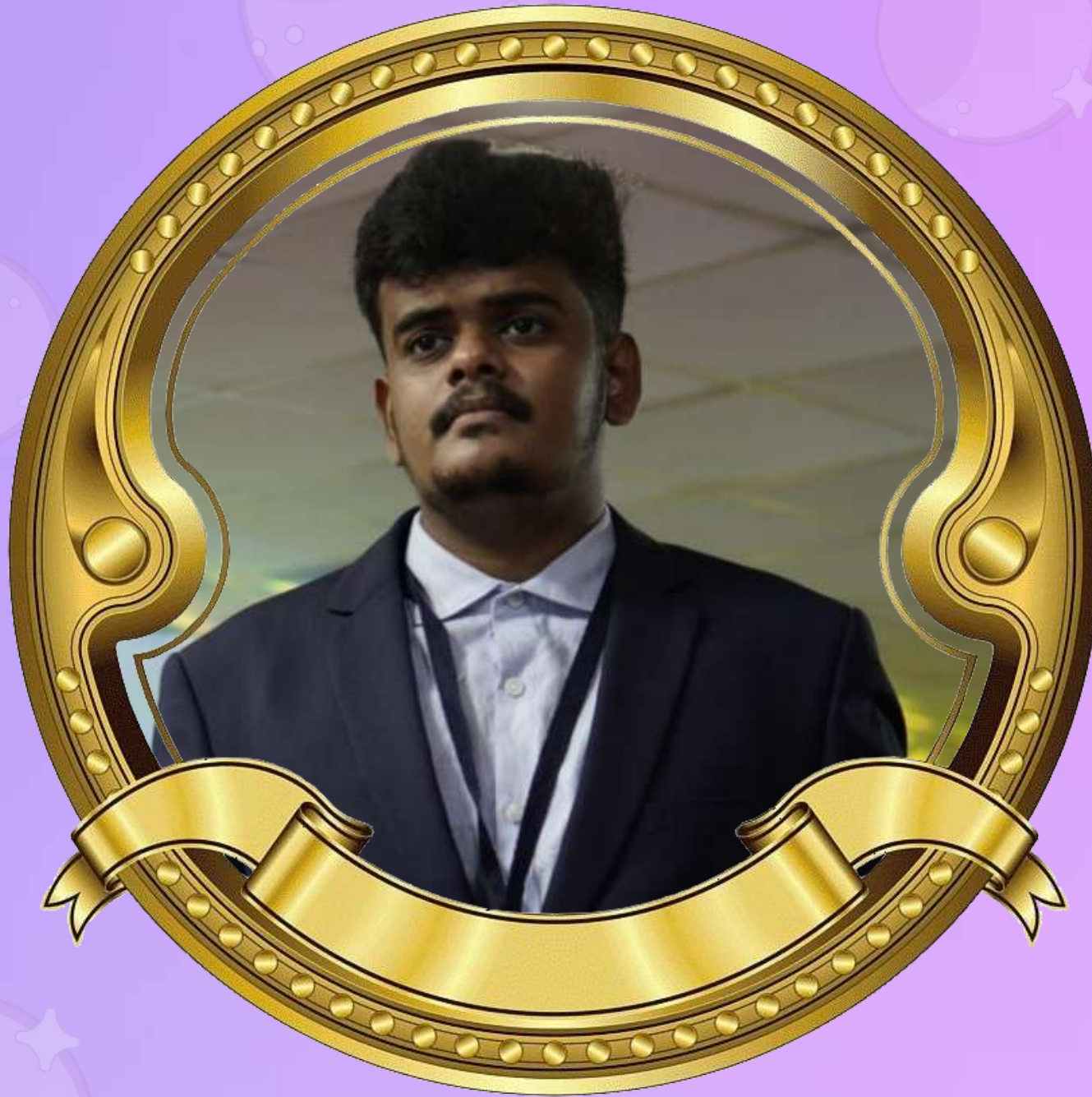
ASHOK LEYLAND LTD



PARTHASARATHI V

PLACEMENTS

SUPER DREAM OFFER



THINESH V S
ARISTA NETWORKS
1550000 p.a.

Placement percentage: 96 %

PLACEMENTS

DREAM OFFER

ROHITH D

Vintrus Ed-Tech - INR 6 L.p.a.

AMBIKHA B

Bosch Global - INR 7L.p.a.

J MONISHAA

IBM - INR 6 L.p.a.

BIBHU PRASAD SAHA

Light & Wonder - INR 8.76 L.p.a.

S PRADEEP GANESH

TCS - INR 7 L.p.a.

**CHEEMIREDDY RAJESH
REDDY**

EY-GDS - INR 6 L.p.a.

ARPIT SINGH RAJPUT

Mycaptain - INR 5 L.p.a.

PADMA POOSHITHA T M

Nokia Solutions and Networks India
- INR 8 L.p.a.

**RISHI KHESHAV S
NIELSENIQ** - INR 8 L.p.a.

PRATHIKSHA C

Bosch Global - INR 7 L.p.a.

V KARTHICK

Hyundai Mobis - INR 6 L.p.a.

ASWIN KUMAR V
Bosch Global - INR 7 L.p.a.

LAKSHMI NARAYANAN M

Aakash Byjus - INR 8 L.p.a.

DEEPAK S

InMovidu Technologies - INR 7 L.p.a.

SANTHOSH M
Gigamon /solutions
INR 7.5 L.p.a.

SHIYAM S

EY GDS- INR 5.5 L.p.a.

VANDHANA RAMAN

Bosch Global - INR 7 L.p.a.

PREETHI C
Bosch Global - INR 7 L.p.a.

**MUHAMMED FAIZAN
SHAHUL**

Vintrus Ed-Tech
- INR 6 L.p.a.

THARUN BISAI

ProU Education - INR 5 L.p.a.

SRI JAGANATH
Capgemini- INR 7 l.p.a.

N HARSHA VARDHAN

Cognizant- INR 4 L.p.a.

IMMANUEL T

Capgemini - INR8 L.p.a.

SHANKAR M
Federal Bank - INR 6 L.p.a.

S PADMANABAN

TCS - INR 7 L.p.a.

**PON VAIRAVAN
RAMANATHAN**

Intellipaat - INR 5 L.p.a.

KARTHICK T
Infocepts Technologies - INR 5
L.p.a.

MURALI ROHITH HEGDE

Intellipaat - INR 5 L.p.a.

PADMA POOSHITHA T M

Capgemini - INR 8 L.p.a.

RUDHRESH V C
Capgemini - INR 8 L.p.a

PRANAV VARSHAN

Federal Bank- INR 6 L.p.a

SHANIA MARIA M B

Nokia Solutions and Networks India
- INR 8 L.p.a.

BODDA PRAVEEN
AstraZeneca - INR 6 L.p.a.

PLACEMENTS

DAY SHARING

BAGAVATH SOWMIA R
TCS- INR 3.6 L.p.a.

POOJA B
Cognizant- INR 4 L.p.a.

SHIYAMS
Cognizant- INR 4 L.p.a.

AAKASH RAJAN N
The Tech destiny- INR 3.5 L.p.a.

KAISSETY ROHITH
Cognizant- INR 4 L.p.a.

S PADMANABAN
ITC Infotech- INR4 L.p.a.

S PRADEEP GANESH
Cognizant- INR 4 L.p.a.

ABDUR RAHMAN M F
TCS - INR 3.6 L.p.a.

**LAKSHMI
NARAYANAN M**
TCS - INR 3.6 L.p.a.

**GOWRISETTI TARUN
KUMAR**
TCS- INR 3.6 L.P.A.

SHANKAR M
TCS- INR 3.6 L.p.a.

BODDA PRAVEEN
TCS- INR 3.6 L.p.a.

**BIBHU PRASAD
SAHA**
TCS - INR 3.6 L.p.a.

THARUN BISAI
The Tech destiny -
INR 3.5 L.p.a.

SANTHOSH M
TCS- INR 3.6 L.p.a.

RAM K
The Tech destiny- INR 3.6 L.p.a.

PREETHI C
TCS- INR 3.6 L.p.a.

KARRI SOWMYA
TCS- INR 3\ L.p.a.

MOHAMMED JAVID
Garuda Aerospace
- INR 0.25 L.p.a.

R V NIVATHITHA
TCS- INR 3.6 L.P.A.

PAZHANI VEL S K
Cognizant - INR 4 L.p.a.

**YASHVI ATUL
ADHIA**
TCS- INR 3.6 L.p.a.

J MONISHAA
Blue Binaries- INR 3.75 L.p.a.

PADMA POOSHITHA T M
Cognizant- INR 4 L.p.a.

AISHWARYA R
TCS- INR 3.6L.p.a

SRI JAGANATH M
TCS - INR 3.6 L.p.a.

THARUN SAI
Cognizant - INR 4 L.p.a

SHANIA MARIA M B
TCS - INR 3.6 L.P.A.

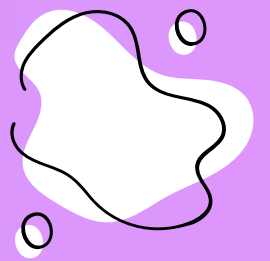
MAGENDRAN BM
TCS - INR 3.6 L.p.a.

IMMANUEL T
Cognizant- INR 4 L.p.a.

HARSHITH R
TCS - INR 3.6 L.p.a.

RUDHRESH V C
COGNIZANT- INR 4 L.P.A.

JOURNAL PUBLICATIONS



1. **Dr. C. Gomathy, A Dinesh Babu**
"Comprehensive Study of Stochastic Computing Methods for Hardware Acceleration of Deep Learning Systems"
Advances in Computer Science and Information Technology (ACSIT), Vol. 10, Issue 1, Page no. 20, March 2023
2. **Dr. A. Shirly Edward, Susandhika M**
"A Comprehensive Review and Comparative analysis of 5G and 6G based MIMO Channel Estimation Techniques"
IEEE xplore, May 2023
3. **Dr. A. Shirly Edward, A. Jothimani, V. Akila, Vaishali.D**
"Smart surveillance system using emotion detection"
AIP Conference Proceedings, Vol. 2427, Page no. 20086, February 2023
4. **P. Nagarajan, P Venkatramana, Shaik Javid Basha , "Design of Three-valued Logic Half-Subtractor using GNRFET" IEEE Explore, May 2023.**
5. **P. Nagarajan, P Venkatramana, Shaik Javid Basha, "Design of SB-GNRFET and D-GNRFET using QuantumATK", IEEE Explore, May 2023.**
6. **P. Nagarajan, Kavitha Thandapani, C. Kanmani Pappa; N. Ashokkumar," MEMS Sensor Based V2V Communication Using Li-Fi Technology, IEEE Explore, May 2023.**
7. **Dr, S. Karthik and S. Balaji**
"Comparative Study of Various Machine Learning and Deep Learning Techniques for Energy Prediction and Consumption Using IoT Modules"
Proceedings of the International Conference on Cognitive and Intelligent Computing, Page no. 99, January 2023

JOURNAL PUBLICATIONS



8. **Dr. S. Karthik, K. Priyadarsini, E. Poovannan & S. Balaji**
"Emulating SoCs for Accelerating Pre-Si Validation"
Proceedings of the International Conference on Cognitive and Intelligent Computing,
Page no. 107, January 2023

9. **Dr. S. Karthik and S. Balaji**
"Multi-regressions Based-Traditional Machine Learning Approach for Energy Forecasting System"
Proceedings of the International Conference on Cognitive and Intelligent Computing,
Page no. 91, January 2023

10. **V.Akila,A.Vasuki,J.Anita Christaline,R.Sathiya,Priti Rishi,A.Shirly Edward**
"Enhancing Software Testing with Machine Learning Techniques"
IEEE xplore, April 2023

11. **A.Vasuki, J Anita Christaline, V Akila, R. Sathiya**
"A Low-Cost Air Quality Tracking System Design"
IEEE xplore, April 2023

12. **V. Akila and Dr. J. Anita christaline**
"Functional near infrared spectroscopy for brain functional connectivity:A Graph theoretic approach"
Heliyon, Vol. 9, Issue 4, Page no. E150002, March 2023

13. **Rajan babu, P. Rathina kumar**
"Energy Prediction in IoT Systems Using Machine Learning Models"
Computers, Materials & Continua, Vol. 75, Issue 1, Page no. 443, June 2023

14. **R. Sathiya, M. Arun Noyal Doss**
"Design and implementation of single switch integrated boost and flyback converter for renewable and sustainable energy"
PLOS One 18(6): e0287770, June 2023

JOURNAL PUBLICATIONS



15. R.Sathiya, M.Arun Noyal Doss, S.Avinash, R.R.Hitesh
"A novel high gain single switch flyback dc dc converter for small scale lightning"
Lecture notes in networks and systems, Vol. 600, Page no. 1, March 2023
16. A. Vasuki, Shyam Sundar E, Karri Sowmya and Muthukannan
"Performance Analysis of Massive MIMO System under Wireless Fading Channels "
IEEE xplore, June 2023
17. A.Vasuki, Vijayakumar Ponnusamy
"Latest Trends in Wireless Network Optimization Using Distributed Learning"
Lecture Notes on Data Engineering and Communications Technologies, Vol. 171, June 2023
18. S. Balaji and S. Karthik, "Deep learning based energy consumption prediction on internet of things environment," Intelligent Automation & Soft Computing, vol. 37, no.1, pp. 727–743, 2023.
19. S. Balaji and S. Karthik, "Energy prediction in iot systems using machine learning models," Computers, Materials & Continua, vol. 75, no.1, pp. 443–459, 2023.

BOOK PUBLICATIONS

1. Dr.Priti Rishi, Dr G. Vennira Selvi, T. Ganesh Kumar, Dr. M. Prasad, Dr. Raju Hajare
Book: Deep Learning in Medical Image Analysis: Recent Advances and Future Trends.
Chapter: Deep Learning Based Medical Image Segmentation: A Comprehensive Investigation,
Taylor and Francis
2. Dr.Priti Rishi, T. Ganesh Kumar
Book chapter editor in IoT and Machine learning-computational and technical combination for future smart applications, Taylor and Francis / CRC Press, June 2023
3. P. Nagarajan, Kavitha T , Arul mary, "Distributed optical fiber sensing system for leakage reduction in underground energy storage pipeline using Machine – learning techniques "
materials for sustainable energy storage at Nano Scale – June 2023



2023 Patents

1. Dr. A. Arun, Dr. R. Lakshminarayan, Dr. S. Mahaboob Basha, Mrs. Bhuvaneshwari V
HEALTH MONITORING DEVICE
366190-001
Filed on 17/03/2023
2. Dr.P.Nagarajan, Dr.R.Anitha, Dr.K.Sundaramoorthy, Dr.R.Ramkumar,
Dr.A.V.G .A Marthanda
MEDICAL WASTE TREATMENT DEVICE
383823-001
Filed on 13/04/2023
3. Dr.Kavitha V P, Dr.P.Nagarajan, Dr.P.Kabilamani
IoT-driven Real-Time Structural Health Monitoring and Damage Identification Using AI
Filed on 07/04/23
4. Dr.J.Anita Christaline, Mrs.V.Akila, Mr.Pon Vairavan Ramanathan, Mr.Adhithya
Sathyakumar, "**Flexible Headband and Methods of Acquiring Brain Signals Thereof**",
Published on 23/06/2023

ROLES AND RESPONSIBILITIES (JAN TO JUNE 2023)

1. Dr .C. Gomathy, Professor & Vice Principal (Academics & Placements)

- AICTE Campus coordinator
- DC Member, Anna University
- DC Member, Sathyabama Institute of Science and Technology
- Academics Council Member
- Faculty Board Member
- NAAC Campus Coordinator

2. Dr. Shirly Edward.A , Associate Professor & HOD

- Reviewer for IEEE Access journal, Computers and Electrical Engineering- Elsevier Journal, Wireless Personal Communications-Springer Journal
- Reviewer for UGC project proposal
- NAAC Criteria 1 Campus Coordinator
- Campus IQAC coordinator

3. Dr. Priti Rishi, Associate Professor

- Reviewer-PLOS ONE Journal-SCIE Indexed
- Reviewer-Optical Engineering Journal, Published by SPIE

4. Dr. P. Nagarajan, Associate Professor

- Doctoral committee member for 12 Research scholars in Anna University, Chennai
- DC member in Mohan Babu University
- Reviewer for circuits and system international journal
- Board of study member in Mohan Babu university MBU (Sree Vidyaniketan Engineering college) Tripati, Andhrapradesh
- Advisory Board member in PSNA College of Engineering and Technology, Dindigul

5. Dr. S. Karthik, Assistant Professor (S.G)

- DC Member, VISTAS Pallavaram
- Reviewer, Applied Soft Computing, Elsevier

6. Dr. Anita Christaline.J , Assistant Professor

- Acted as resource person in Blockchain FDP
- PEER reviewer in IET Image Processing journal
- SRM IST Campus Website Coordinator
- NAAC criterion 2 coordinator for ECE department
- Robotics club coordinator.

FACULTY ACHIEVEMENTS



Dr.Priti Rishi, Associate Professor/ECE,

Conducted One day seminar at Tirunelveli on Recent trends on 5G Technologies and its applications 28.04.23.

Acted as a session chair person in "International conference & Artificial internship,Blockchain computing and security" Galgotias university,Delhi, 24.02.2023 to 25.02.2023.



Dr.P.Nagarajan, Associate Professor/ECE,

delivered a webinar on, “Motivation of Students towards Conversion of Project into Patent” organized by IPR cell, NPR College of Engineering and Technology,Natham, Dindigul Dist on 28.05.2023.



Dr.J.Anita Christaline, Assistant Professor/ ECE,

delivered a lecture in the six days online Faculty Development Program on “Blockchain Technology” organized by the Department of Electronics & Communication Engineering, SRMIST, Vadapalani campus on 3rd April 2023.



Mr.S.Balaji, Assistant Professor/ ECE,

received Best Poster Presentation award

“ Implementation of Energy Prediction & Management System using Machine learning in IoT” in DPRC 2023.



FACULTY INDUSTRY **IMMERSION PROGRAM**



Dr.P.Nagarajan, Associate Professor/ECE,

Dr.P.Kabilamani, A.P/ECE

Mr.S.Balaji, A.P/ECE,

Attended three-days faculty training program on “ Design Thinking” organized by Intellect design arena, Siruseri, Chennai from 6th to 8th March 2023.

FACULTY ONLINE COURSE

NAME OF THE FACULTY	NAME OF THE NPTEL COURSE COMPLETED	PLATFORM
Dr.C.Gomathy	Course on Design Thinking- A Primer	NPTEL
Dr.C.Gomathy	Course on Education for sustainable development	NPTEL
Dr.Shirly Edward A	Course on Design Thinking- A Primer	NPTEL
Dr. Priti Rishi	Ethics in Engineering Practice	NPTEL
Dr. Priti Rishi	Roadmap to Patent creation	NPTEL
Dr. P. Nagarajan	Roadmap for patent creation	NPTEL
Dr.S.Karthik	Cloud Computing and Distributed Systems	NPTEL
Dr.J. Anita Christaline	Introduction to Intellectual Property	AICTE
Dr.P.Glaret Subin	An Introduction to Information Technology	NPTEL
Dr.P.Glaret Subin	Signals and Systems	NPTEL
Dr.T.S.Balaji	Electronic waste management - Issues and Challenges	NPTEL
Mrs.A.Vasuki	Basic Tools of Microwave Engineering	NPTEL
Mr. A Dinesh Babu	Effective Writing	NPTEL
Dr.Kavitha V.P	Road Map for Patent Creation	NPTEL
Dr.Kavitha V.P	Ethics in Engineering Practice	NPTEL
Mrs.V.Bhuvanewari	Effective Engineering Teaching In Practice	NPTEL
Mrs.V.Akila	Roadmap to Patent creation	NPTEL
Mrs.V.Akila	Python for Data Science	NPTEL
Dr.P.Kabilamani	Microprocessors & Microcontrollers	NPTEL
Dr.P.Kabilamani	Microprocessors and Interfacing	NPTEL
Dr.P.Kabilamani	Evolution of Air interface towards 5G	NPTEL



STUDENT ONLINE COURSE

STUDENT NAME	YEAR	TITLE OF THE COURSE	PLATFORM
NAVITHYAN P	I	PYTHON BASICS FOR DATA SCIENCE	GREAT LEARNING
VIRAJ RAJESH PHALAK	I	EDGE CREATOR COURSE 2.0	VIRAL FISSION
M. HARIHARAN	II	INTRODUCTION TO SELF-DRIVING CARS BY UNIVERSITY OF TORONTO	COURSERA
M. HARIHARAN	II	INTRODUCTION TO CYBERSECURITY TOOLS & CYBER ATTACKS BY IBM	COURSERA
SK AADHITHYAN	II	EXPLORE ENGINEERING VIRTUAL EXPERIENCE PROGRAMM	FORAGE
AVANTIKA S	I	CYBER SECURITY AND ETHICAL HACKING	COINCENT
ANJANI PRASAD	II	CRASH COURSE ON PYTHON	COURSERA
KISHORE K	II	PYTHON PROGRAMMING	GUVI
RIYAN R	I	ARTIFICIAL INTELLIGENCE	COINCENT
ADITYA PA	II	ML WITH PYTHON	ONLINE COGNITIVE CLASSES AND CISCO ACADEMY
ABISHEK R	I	CYBER SECURITY AND ETHICAL HACKING	COINCENT (ONLINE PROGRAM)
SAMRITHA K	II	PYTHON PROGRAMMING	GUVI
S.SRILAKSHMI	II	CERTIFICATE COURSE ON PHOTOGRAPHY(OFFLINE)	CENTRE OF EMPOWERMENT AND ENRICHMENT
S.SRILAKSHMI	II	CRASH COURSE ON PYTHON AUTHORISED BY GOOGLE	COURSERA

ECE (2019 - 2023)

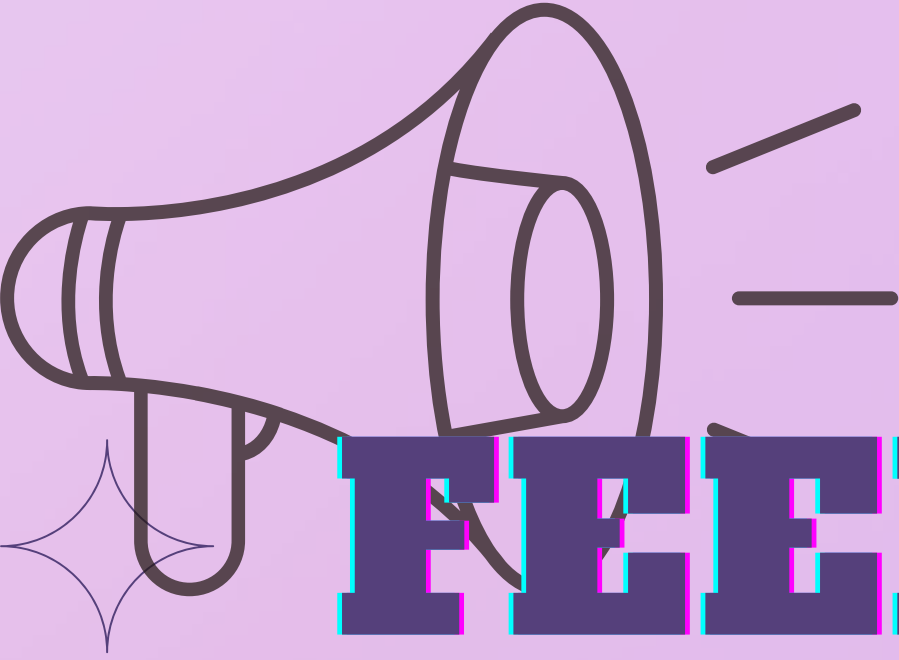


ECM (2019 - 2023)

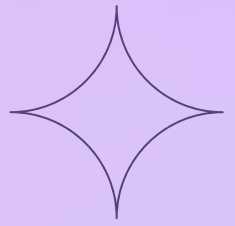


ECE BIO (2019 - 2023)





FEEDBACK



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 **<https://www.linkedin.com/in/ece-srmist-vadapalani-4a782a26a/>**

 **<https://www.youtube.com/@srmistvadapalanicampus484/featured>**

 **<https://in.linkedin.com/in/ece-srmist-vadapalani-4a782a26a>**