

**SRI VENKATESWARA COLLEGE OF ENGINEERING  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
ELECTRONICS AND COMMUNICATION ENGINEERS ASSOCIATION,  
THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS  
STUDENTS FORUM - SVCE,  
ROBOTICS AND ARTIFICIAL INTELLIGENCE CLUB**

**REPORT ON MAKE-A-THON 4.0**

The Make-a-Thon 4.0 was a 24 hours hackathon organized by the Electronics and Communication Engineers Association (ECEA - SVCE) in association with the Institution of Electronics and Telecommunication Engineers – Chennai Center and Robotics and Artificial Intelligence Club (RAIC). The event commenced from 31<sup>st</sup> March at 10:00 AM to 1<sup>st</sup> April at 10:00 AM (24 hours). The Make-a-Thon took place at the Multi-purpose Hall at Sri Venkateswara College of Engineering. The Make-a-Thon 4.0 challenged students to think out-of-the-box and offer innovative ideas to build smart applications to the given problem statement based on major real-time problems in our society. The event witnessed a participation of a total of 30 teams (160 students) from all over the state.

**Details of the event:**

Commencement of the event	31st March 2023 (10:00 AM IST)
Ending of the event	1st April 2023 (10:00 AM IST)
Total teams	30 teams
Total participants	160 students
Team size	4-6 members
Venue	Multipurpose hall, SVCE




**SVCE** Sri Venkateswara College of Engineering

**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
 DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
 in association with  
**IETE CHENNAI CENTRE**

# MAKE-A-THON 4.0

*A 24 Hour Intercollegiate Hackathon*

**March 31 & April 1, 2023**

**REGISTRATIONS OPEN NOW !!**

»» **WIN CASH PRIZES UPTO 40K !!** ««

*BEST PERFORMERS WILL BE PROVIDED WITH INTERNSHIP OPPORTUNITY !!*

---

REGISTER @  <https://make-a-thon-alpha.vercel.app/>

PRITHVI RAJ V S  
 Secretary ECEA, 9789854546  
 MRDULLA V NAARAYAN  
 Honorary Secretary IETE, 8903870875




**SVCE** Sri Venkateswara College of Engineering

**SRI VENKATESWARA COLLEGE OF ENGINEERING**  
 DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
 in association with  
**IETE CHENNAI CENTRE**

# MAKE-A-THON 4.0

**PRIZE POOL UPTO 40K**

**INTERNSHIPS OFFERED FOR BEST PERFORMERS**

---

REGISTER @  <https://make-a-thon-alpha.vercel.app/>

PRITHVI RAJ V S  
 Secretary ECEA, 9789854546  
 MRDULLA V NAARAYAN  
 Honorary Secretary IETE, 8903870875

**FLIERS OF MAKE-A-THON 4.0**



SVCE  
Sri Venkateswara College of Engineering, Puttur, Sriperumbudur, Tamil Nadu

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
IN ASSOCIATION WITH  
ELECTRONICS AND COMMUNICATION ENGINEERS ASSOCIATION - SVCE  
&  
THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS - SF  
&  
ROBOTICS AND ARTIFICIAL INTELLIGENCE CLUB

Submitted to the Principal through HOD

15-02-2023

Respected Sir,

Subject: Requesting permission to organize a 24 hour hackathon Make-a-Thing 4.0

As per the feedback from core industries and requests from the students, Electronics and Communication Engineers Association, The Institution of Electronics and Telecommunication Engineers Student Forum & Robotics and Artificial Intelligence Club proposes to conduct Make-a-Thing 4.0 as an inter-collegiate event tentatively from 31st March 2023 9:00 AM to 1st April 2023 12:00 AM. A total of 30 teams with a maximum of 4 per team are allowed to participate. The agenda and the expected expenditure are stated below for your kind perusal.

**AGENDA:**

**DAY-1:**

09:00 AM to 10:00 AM - Inauguration and Industrial Keynote Presentation  
10:00 AM to 11:00 AM - Hackathon (24 hours)

**DAY-2:**

10:00 AM to 11:00 AM - Evaluation by Judges  
11:00 AM to 12:00 AM - Prize Distribution and Valedictory

**Terms of Participation:**

- 1) All the selected participants must submit a Letter of Declaration from their parents before the commencement of the event.
- 2) Participants will not be allowed to leave the campus post 7pm on Friday (31st March) unless and until it is deemed as a serious situation.
- 3) All the participants from SVCE will be provided with OD's for 31st March 2023 and 1st April 2023.

The registration fees will be collected through SVCE account. Kindly provide us the account details to which registration fee has to be collected. We kindly request you to pay the collected registration fee after we close the registration.


Respected Sir,


The Make-a-Thing 4.0 conducted by the ECE Association, IETE-SF and RAIC will require a few basic amenities from the college's side.

The following include:

- 1) Access to Multipurpose Hall
- 2) Access to Wi-Fi or LAN services for the participants
- 3) Access to hostel facilities for refreshment purposes (if required)
- 4) Provision for ODs to the participants from SVCE on 31st March 2023 and 1st April 2023.
- 5) Permission for other college students to use our transport facilities.

After the successful events of Make-a-Thing (1.0, 2.0 & 3.0), attendees have gained a greater degree of knowledge about a topic and a deeper understanding of an issue. They have also been introduced to concepts and ideas completely new. We, therefore, request you to kindly grant permission to conduct the event thus helping the students improve their technical skills and get industry ready.

  
Dr. T. Jayapraba  
Faculty coordinator  
ECEA, IETE, RAIC

  
Dr. S. Muthukumar  
Professor & HOD-ECE

  
Dr. Ganesh Vaidyanathan  
Principal

**PROPOSAL FOR THE EVENT**

### **About the Inaugural ceremony:**

The inauguration of Make-a-Thon 4.0 commenced on 31<sup>st</sup> March at 9:30AM with a prayer song by Ms.Pooja, III Year, ECE and Ms.Aparna, III Year, ECE. Dr.T.J.Jeyaprabha, Associate Professor- ECE delivered the welcome address, which was followed by the chief guest's introduction. Ms.Sahana, ECEA treasurer introduced the guest for the day - Dr.D.Vijendra Babu, Honorary Secretary- IETE Chennai Centre. Ms.Sakthi Maheswari introduced Dr.Venmathi.A.R, Professor & Head Department, Biomedical Engineering, Kings Engineering College and Mr.Sangeeth Kanna, Vice President - ECEA introduced Mr.R.Vishnusai, MS in Software Systems Development, Tufts University. Dr.S.Muthukumar, HoD-ECE addressed the crowd and welcomed all the participants and judges for the event. Dr.D.Vijendra Babu, the chief guest addressed the gathering and prompted them to build products which would benefit the society. Mr.Vishnusai graced the event with his virtual presence and encouraged the participants. The Make-a-Thon 4.0 countdown of 24 hours began at 10.00 AM shortly after the inauguration.



**About the Event:**

A total of 73 teams registered for the event out of which 30 teams with 4 to 6 members in each team were shortlisted based on the abstract submitted. The preliminary selection was done based on creativity, originality, technology stack, and feasibility. The selection process was carried out by faculty coordinators and the student mentors from the Robotics and Artificial Intelligence club. The problem statements for Make-a-Thon 4.0 were aligned with the emerging technologies in the field of engineering.

The domains are:

1. Smart Communication
2. Health care
3. Rural development
4. Smart vehicles
5. Smart homes
6. Food processing
7. Robotics
8. Cyber Security
9. IoT
10. Disease Awareness
11. Pandemic Safety
12. AI/ML/DL for human development

During the entire event the mentors and alumni periodically surveyed the progress of all the teams and also provided technical knowledge and mentoring when required. The 30 teams pushed themselves into innovating new models and solutions for their problem statements. Food and refreshments were provided for the participants throughout the event.

ENVOI sponsored Make-a-Thon 4.0 by providing certificates for the winners and all the participants. InfoGrass and Best Mach also provided monetary sponsoring of Rs.5000 each.

**About the Judges:**

There were three rounds of judging. The first two rounds of judging were done by faculties of SVCE. The final round of judging was done by Dr.Aswin Seshadri, Deputy General Manager of Motherson Technology Services, Mr.M.Arun, Chairman of IEEE Madras and the alumni of SVCE.

Judges for the 1st and 2nd Round of Make-a-Thon 4.0:

1. Dr. R. Gayathri, Professor/ECE
2. Dr. S. R. Malathi, Professor/ECE
3. Dr. D. Menaka, Associate Professor/ECE
4. Dr. S. Kumaravel, Associate Professor/EEE
5. Dr. T. Annamalai, Associate Professor/EEE
6. Ms. A. Indumathi, Associate Professor/INT
7. Mrs.C Gomatheeswari Preethika, Assistant Professor/ECE
8. Mrs.L Anju, Assistant Professor/ECE
9. Mrs.S Kalyani, Assistant Professor/ECE
10. Mr.L.K.Balaji Vignesh, Assistant Professor/ECE

Judges of the final round of Make-a-thon 4.0 :

- 1) Dr.Aswin Seshadri, Deputy General Manager of Motherson Technology Services
- 2) Mr.M.Arun, Chairman of IEEE Madras
- 3) Mr.Premraj S, Data Engineer - Sirius Solutions
- 4) Mr.Keshav E, Software Engineer - MulticoreWare Inc
- 5) Mr.Pradeepan P, Software Engineer - Zoho Corp
- 6) Ms.Indhumathi Vijayarangan, Associate Software Engineer - Eurofins IT Solutions
- 7) Mr. Prashanna Rangan, PG Scholar - SVCE
- 8) Mr. Rahil Jain, Software Engineer - Tech Mahindra
- 9) Mr. Thanigaivel M, EAS -Oracle Peoplesoft
- 10) Mr. Rakesh Elamaran, Security Engineer 2 - Comcast
- 11) Mr.Vigneshwar, Senior Software Engineer, Professional Services- Inatech India Pvt. Ltd.
- 12) Mr.Sakthi Sailesh, Senior Software Engineer-R & D, Inatech India Pvt. Ltd.

### **About Valedictory:**

The valedictory event of Make-a-Thon 4.0 commenced on 1st April 2023 at 12:30 PM. The chief guests were welcomed by Ms.Mrdulla V Naarayan, IETE Honorary Secretary. The results of Make-a-Thon 4.0 were announced. The winners were provided with cash prizes, internships and certificates.

The winners were awarded a cash prize of Rs.14000/- for first place, Rs.7000/- and Rs.5000/- each for second and third place respectively. Rs 2000/- for the budding Innovators and the Best feasible hardware respectively. Internship opportunities were provided by Dr.Aswin Seeshadri in Motherson Technology Services for the winners and 1st runner-up. A special mention was given to Team GT and internships were provided.

Mementos were provided to the chief guests and the alumni for gracing the event with their presence.Ms.S.Krishnapriya, RAIC President, delivered the vote of thanks. The event ended successfully with the National Anthem.

## Winners Of Make-A-Thon 4.0:

Position	Team Name	Problem Statement	Team Details
Winner	Smart Blink	A hardware-based innovative method to improve delivery and learning outcomes for specially-abled children.	<ol style="list-style-type: none"> <li>1. Magesh S</li> <li>2. Nithish Kumar B</li> <li>3. Kiran Sekar S</li> <li>4. Robin Kumar J</li> <li>5. Priyadharshini S</li> </ol>
Runner Up	Peakyl Blinders	Developing an AI-Based mobile application to perform fund trail analysis of financial statements in pdf, CSV, or any other relevant format	<ol style="list-style-type: none"> <li>1. Kiran M S</li> <li>2. Mohammed Ghayaz Z</li> <li>3. Abhinav M</li> <li>4. Monigha Rajam K L</li> <li>5. Akeel Ahamed R S</li> </ol>
Second Runner Up	Tatawamsi	Create a mobile app for farmers, web platform (or) Robotics (or) Drone based IOT solutions for precision agriculture.	<ol style="list-style-type: none"> <li>1. Vijayendiran A G</li> <li>2. Chidambara Raja</li> <li>3. Pavithra P</li> <li>4. Sri Hari Krishna K</li> <li>5. Keerthana P</li> <li>6. Rushitha S</li> </ol>
Budding Innovators	Innomers	A Smart Voice Assistant Based Hospital Companion with Medicine Dispenser	<ol style="list-style-type: none"> <li>1. Harini A</li> <li>2. Hari Ganesh Rm</li> <li>3. Santhosh K</li> <li>4. Vignesh V</li> <li>5. Sandhiya Karthikeyan</li> </ol>
Best Feasible Hardware	Rookie Adapt	Mobile Medical Robot	<ol style="list-style-type: none"> <li>1. S.Kailash</li> <li>2. N.Kirubakaran</li> <li>3. S.Jayasurya</li> <li>4. K.Hemalatha</li> <li>5. P.S.Yamini</li> <li>6. S.Loganathan</li> </ol>
Special Mention (Internship)	Team gt	Design And Develop an IoT-based Technological Solution Based On Live CCTV Feeds, That Can Automatically Detect Incidents Related to Street Crime, Violence, Burglary, Theft, Infiltration, Unauthorized Access, Etc., And Generate Alerts To the Nearest Police Station	<ol style="list-style-type: none"> <li>1. Ram Solaiappan A</li> <li>2. Parvesh R</li> <li>3. Oviya Srinivasan</li> <li>4. Nawras Ahamed N</li> <li>5. Pragatheeshwar S</li> </ol>



WINNERS OF MAKEATHON 4.0



1ST RUNNER UP OF MAKEATHON 4.0





2ND RUNNER UP OF MAKE-A-THON 4.0

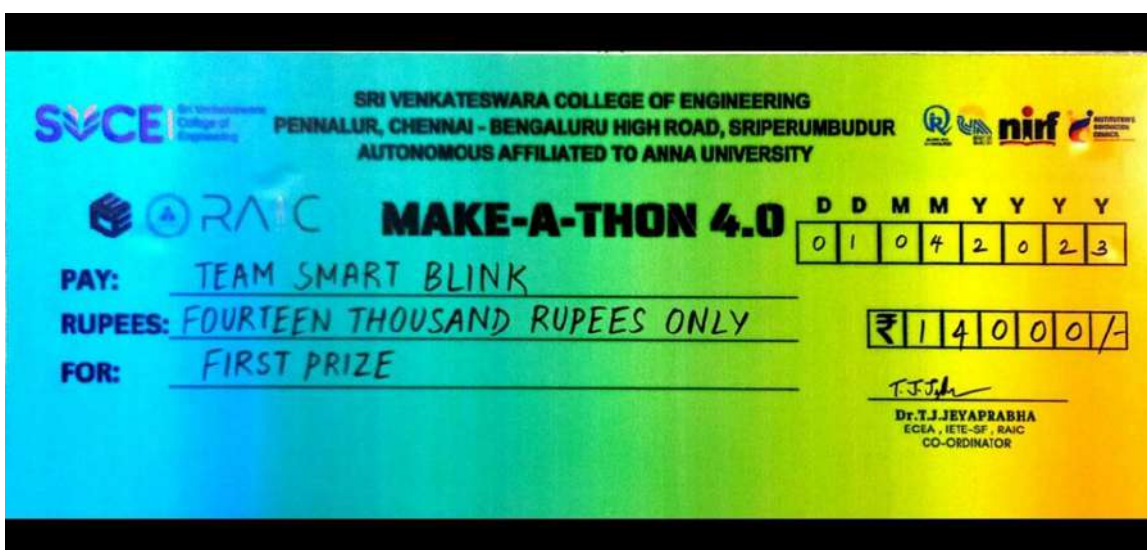
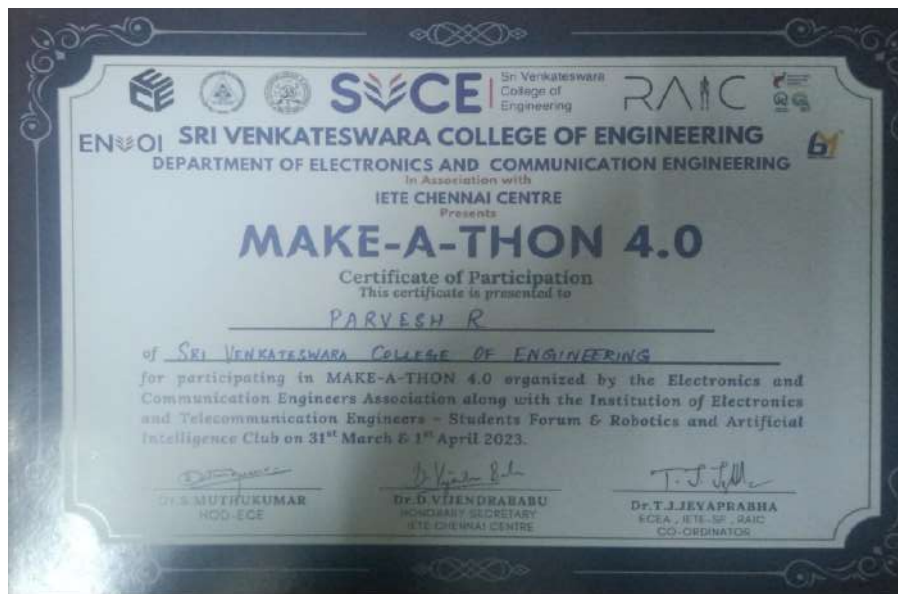


BUDDING INNOVATORS PRIZE WINNER OF MAKE-A-THON 4.0



BEST FEASIBLE HARDWARE PRIZE WINNER OF MAKE-A-THON 4.0

Sample Certificates:



# Attendance Sheet:

S.No.	TEAM NAME	COLLEGE NAME	MEMBERS	SIGNATURE			
				9:00 AM	10:00 AM	12:00 PM	2:00 PM
1	Cartivalesque (SW)	SVCE	ROSHAAN S PRANAV S ROHITH S VLAYAHAGAVAN T VALUR M	[Signature]	[Signature]	[Signature]	[Signature]
2	SYNTHETIC DEVS (SW)	SVCE Venkata Naga Saitya Bhuvanayya	Chashan S Sai Srikanth B Sarthosh S Slary Romero S Venkataranga Saitya-Bhuvanayya	[Signature]	[Signature]	[Signature]	[Signature]
3	HUSTLING GIRLS (SW)	R.M.K Engineering College	JAYASHREE N LAVANYA A LAVANYA P NICHITA SA JAYASRI RM	[Signature]	[Signature]	[Signature]	[Signature]
4	REBOOTERS (HW)	SVCE	MAJIKANDAN RM LOGDESHWAR A LAKSHITHA M HARINI G V HARSHITH M RAHUL K	[Signature]	[Signature]	[Signature]	[Signature]
5	TEAM NYX (SW)	PANIMALAR ENGINEERING COLLEGE	SANTHOSH KUMAR P NITHISH V RA NARENDRA N S PRASANNA KUMAR S	[Signature]	[Signature]	[Signature]	[Signature]

12	Bloody Sweet (SW)	SVCE	K.J Yashini UMESH ANANDH S Tharan K R Suryaprakash S Sunit Kumar , A	[Signature]	[Signature]	[Signature]	[Signature]
13	Amped up	SVCE	Mahisha P S XOUSHIKA DEVI N.NISHADHARSHINI D.R.NIVETHA A.RAHUL	[Signature]	[Signature]	[Signature]	[Signature]
14	Elixir	SVCE	Vignesh V K Sanmugam J Aakash S Mohanraj R	[Signature]	[Signature]	[Signature]	[Signature]
15	Technocrats (SW)	SVCE	Abu Akash B Abinaya G Aarthi S * Akshay Kumar S Ashrath M R	[Signature]	[Signature]	[Signature]	[Signature]
16	SPARKLE FIDDLE	KCG COLLEGE OF TECHNOLOGY	HARISH CHENSUDAR K Abanek R Lokesh R Raghavan R Vigneeswaran S	[Signature]	[Signature]	[Signature]	[Signature]
17	Hack Elite	SVCE	Shrudin S Priyanka Raj R Charan M Abhi C	[Signature]	[Signature]	[Signature]	[Signature]

6	Creators of tomorrow	SVCE	Ashwarya S Pooja R Sowndhar R	[Signature]	[Signature]	[Signature]	[Signature]
7	MEETABLES (SW)	SVCE	ARJUN VIJAY HEMANKUMAR V ABHISEK T AKRISHAY R B ADITHYAN	[Signature]	[Signature]	[Signature]	[Signature]
8	Zenith (SW)	SVCE	Anesh Kumar R Sriharika Mugundan Y Aadithya K.G Ananda D Akash Deivanayagam S	[Signature]	[Signature]	[Signature]	[Signature]
9	Kraken's Code (SW)	SVCE	L SHARAD SANTHOSH P KAMALESH S SRIRAM V SATHISHA SHAKTHI K Kiran M S Abhinav M Mohammed Ghayaz Z	[Signature]	[Signature]	[Signature]	[Signature]
10	Peaky Blinders (SW)	SVCE	Monisha Rajam K L SUDARSHAN N S AKEEL AHMED R S SUBASHREE S S SULITHA N SRIVARSHINI S SHAMJUGAPRIYA P SNEKAA R YOGESWAR P	[Signature]	[Signature]	[Signature]	[Signature]
11	Heptangle (SW)	SVCE	[Members listed]	[Signature]	[Signature]	[Signature]	[Signature]



**Some Snapshots Of Make-A-Thon 4.0:**





## **ORGANIZING COMMITTEE COMPRISING OF :**

Chief Patron: : Dr.S.Ganesh Vaidyanathan, Principal  
Convenor: : Dr.S.Muthukumar, Professor & HOD, ECE  
Faculty Coordinators : Dr.T.J.Jeyaprabha, ASP, ECEA, ISF SVCE, and RAIC Co-ordinator,  
Mr.Elangovan, AP, ECEA, ISF SVCE, and RAIC Co-ordinator

## **ECEA comprising of:**

President : Mr.Guganesh. R (IV Year ECE A)  
Vice-President : Mr.Sangeeth Kanna. P (IV Year ECE C)  
Secretary: : Mr.V.S.Prithiviraj (III Year ECE C)  
Treasurer: : Ms.Sahana Balasubramaniam (III Year ECE C)  
Executive Members : Mr.Ganeshan H (III Year ECE A)  
Mr.Raswanth.U (III Year ECE C)  
Mr.Sowndhar.R (III Year ECE C)  
Joint Secretary : Ms.Dharani.A (II Year ECE A)  
Mr.Parvesh.R (II Year ECE B)  
Mr.Umesh Anandh.S (II Year ECE C)

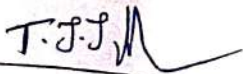
## **IETE SF SVCE comprising of:**

Chairman : Mr.Sivasubramanian . R (IV Year ECE C)  
Vice Chairman : Mr.Deepak Akash Raj .T (IV Year ECEA)  
Honorary Secretary : Ms.Mrdulla V Naarayan (III Year ECE B)  
Honorary Treasurer : Ms.Lakshana Sasikumar (III Year ECE B)  
Executive Members : Mr.Arvinth. G (III Year ECE A)  
Mr.Avinash. P (III Year ECE A)  
Ms.Sakthi Maheswari. M (III Year ECE C)  
Mr.Shashidar. G (III Year ECE C)  
Joint Secretary : Mr.Ashish. S (II Year ECE A)  
Ms.Nivetha D.R (II Year ECE B)  
Mr.Tharun K.R (II Year ECE C)

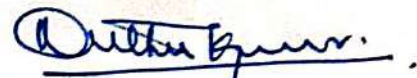
## **RAIC comprising of:**

President : Ms.Krishnapriya S (IV Year ECE B)  
Vice President : Mr.Hari Prasad. P (IV Year ECE A)  
Secretary : Mr.Sanjay Lokesh.A .M (III Year ECE C)  
Joint Secretary : Mr.Anish Krishnan (II Year ECE A)  
Mr.Mahith. I. K (II Year ECE B)  
Mr.L Sharad (II Year ECE C)  
Mentors : Mr.T.R.Hari Prasanna (IV Year ECE A)

Mr.M.Kishore (IV Year ECE B)  
Ms.Subashree. B (IV Year ECE C)  
Mr.Ganeshan. H (III Year ECE A)  
Mr.Magesh.S (III Year ECE B)  
Mr.Rajeshvar. M Swamy (III Year ECE C)  
Ms.Snehalatha .M (III Year ECE C)  
Ms.Srivani .M (III Year ECE C)  
Ms.Vishnu Priya .V .T (III Year ECE C)



Dr. T. J. Jeyaprabha  
ASP ECE, ECEA, ISF, RAIC Coordinator



Dr. S. Muthukumar  
Professor & HOD - ECE