



SREYAS

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Affiliated to JNTUH Hyderabad, Approved by AICTE, New
Delhi Accredited by NAAC



IEEE SREYAS
STUDENT BRANCH



TECH-ZINE

2023

SEPTEMBER - FEBRUARY

PUBLISHED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ABOUT ECE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 2011. The major objective of the Department is to impart high-quality education and research. All through its sparkling history, the department of ECE has been known for its exceptionally strong Under-Graduate training programs. Courses like Electronic devices and circuits, Signals & systems and Electric Circuits are introduced in the early semesters. Advanced courses and electives such as Analog & Digital Communications, Satellite communications, Radar systems and Wireless communications and networks in later years enable students to specialize in communications, signal processing, robotics, VLSI, embedded systems and other streams. Since its inception, the Department has progressed rapidly and is now regarded as one of the Premier Departments, with excellent infrastructure and quality Faculty members. The Department has MOUs with BSNL, Corel Technologies, Physitech, SS Electronics and Campus Image.

VISION

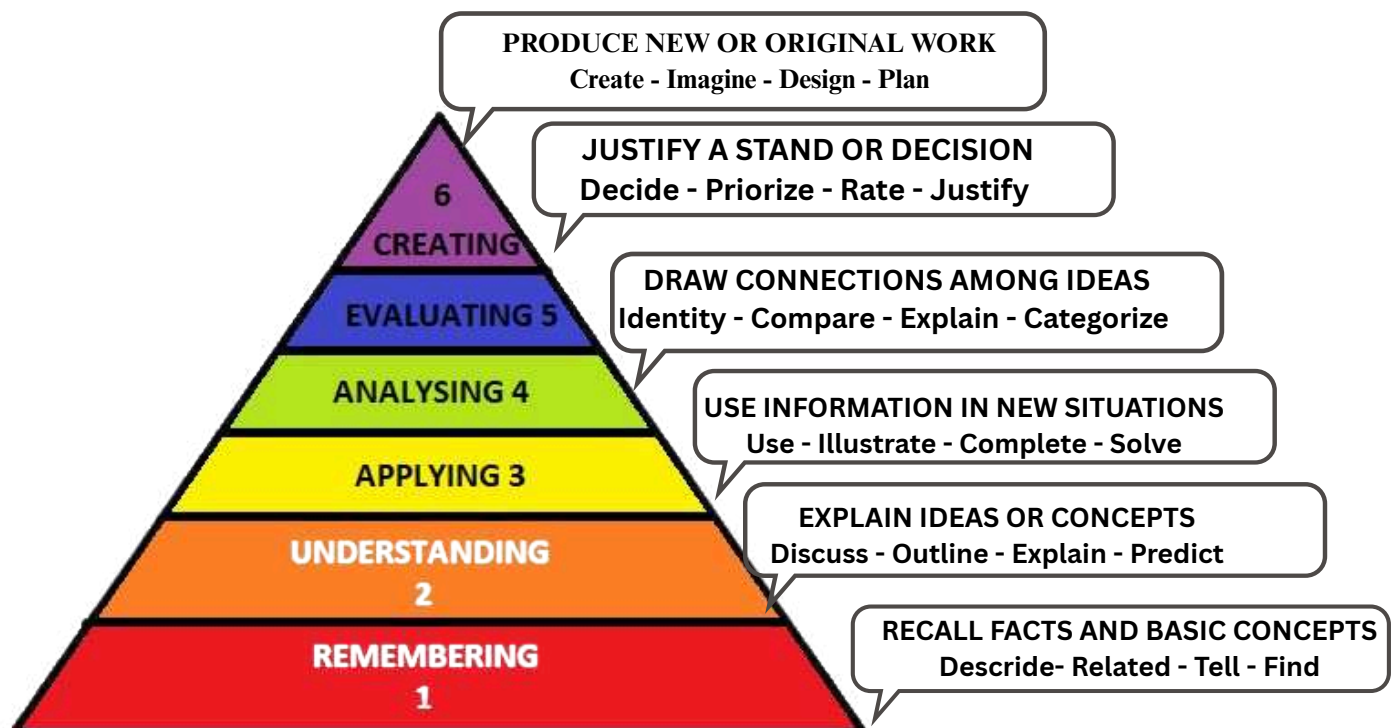
To excel in electronics & communication engineering education with the knowledge of innovation, research and ethics.

MISSION

- 1.To provide academic environment that promotes student centric learning through quality education and state of the art infrastructure.
- 2.To make the students aspire towards innovation and collaborative research to meet the technological needs of society.
- 3.To engage the students in activities which inculcate professional practices with social concern.

FRAME WORK FOR IMPLEMENTARY OUTCOME-BASED EDUCATION

Outcome-Based Education (OBE) is a student-centered approach that fundamentally shifts the focus of education from what is taught to what students are able to know and do by the end of their learning journey. It begins with clearly defining these desired learning outcomes, which then guide every aspect of the curriculum, instructional methods, and assessment strategies. Unlike traditional models, OBE emphasizes developing practical skills and competencies like critical thinking, problem-solving, and communication, ensuring graduates are well-equipped for real-world challenges. Through continuous assessment and feedback, the system constantly refines itself to ensure that all students achieve the specified outcomes, making education more relevant, effective, and accountable.



FACULTY NPTEL CERTIFICATIONS




NPTEL provides accessible online education from top Indian institutions, enhancing learning across diverse disciplines. It empowers individuals with valuable skills and certifications for professional and personal development.

Even Semester

| Category | Count |
|--|-------|
| Total Certifications | 34 |
|  Gold | 1 |
|  Silver | 10 |
| Elite | 9 |
| Passing | 10 |
| Topper | 4 |

Odd Semester

| Category | Count |
|--|-------|
| Total Certifications | 36 |
|  Gold | 5 |
|  Silver | 12 |
| Elite | 12 |
| Passing | 6 |
| Topper | 1 |



CERTIFICATE OF APPRECIATION TO

BHAVANA MAJJI

for being recognized as NPTEL BELIEVER
JAN-APR 2024

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL BELIEVER
Candidate has to be present in 4/5/6
exams, passing atleast 4 of these exams



CERTIFICATE OF APPRECIATION TO

BHAVANA MAJJI

Computer Science and Engineering
for being recognized as NPTEL DISCIPLINE STAR
JUL-DEC 2024

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

M. Vignesh

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR
Candidate has to be certified in courses
of same discipline, completed more than
50 weeks of learning, final score in each
subject >= 55



CERTIFICATE OF APPRECIATION TO

BHAVANA MAJJI

for being recognized as NPTEL MOTIVATED LEARNER
JAN-APR 2024

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL MOTIVATED LEARNER
Candidate has to appear in atleast 8
exams in Jul 2022 - Jan 2024, passed in
75% of courses appeared, atleast one
exam in each of the 4 semesters





This is to certify that



BHAVANA MAJJI

has successfully completed all the requirements for SWAYAM-NPTEL Domain Certification in

VLSI design

(Electrical Engineering)

The courses were completed in the period October 2024

Prof. Andrew Thangaraj

Chair
Centre for Outreach and Digital Education, IITM

Prof. Vignesh Muthuvijayan

NPTEL Coordinator
IIT Madras

Roll No: NPTELDS24200000961

To validate and check scores:
<https://nptel.ac.in/>



NPTEL+ Workshop Certificate

This Certificate is awarded to
RAVALI MAROJU
for successfully completing the online workshop
Introduction to Android App Development
by **Mr. Janak Suthar**, Encora

Date: 8th July, 2023



Verify


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
कौशल भारत - कुशल भारत



This certificate is awarded to
RAVALI MAROJU
for successfully completing the course



Cloud Computing

with a consolidated score of **79** %

| | | | |
|--------------------|----------|----------------|----------|
| Online Assignments | 24.69/25 | Proctored Exam | 53.91/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **30816**

Jul-Oct 2024
(12 week course)


Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS118S950201561

To verify the certificate



No. of credits recommended: 3 or 4



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

BHAVANA MAJJI



for successfully completing the course

VLSI Design Flow: RTL to GDS

with a consolidated score of **73** %


Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Oct 2023)

Roll No: NPTEL23EE137S837401604

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Learn on *arm*



This is to certify that

Pavani Munagala

from

Sreyas Institute of Engineering and Technology

has participated in the workshop:

VLSI to System Design: Silicon to End Application Approach

Organized by – All India Council for Technical Education (AICTE),
Arm Education and STMicroelectronics
from July 31st to 4th August 2023

Dr. Ramesh Unnikrishnan
Ad-Idon-II,
Training and Learning Bureau,
All India Council for Technical
Education (AICTE)

Arnaud Julienne
Vice President,
Microcontrollers and Digital ICs Group,
IoT/AI Competence Center and Digital Marketing,
China and APAC, STMicroelectronics

Guru Ganesan
President and Managing Director,
Arm India

Dr. Khaled Benkrid
Senior Director,
Education and Research,
Arm Ltd.



Certificate of Participation

This is to certify that

Pavani Munagala

Sreyas Institute of Engineering and Technology

has successfully participated in the "One day Faculty Development Program on Advances in Signal Processing and Wireless Communications" Technically Sponsored by VIT-AP IEEE SBC and VIT-AP MTS Student Branch Chapter. This Faculty Development Program is organized by School of Electronics Engineering (SENSE) and at VIT-AP University, Amaravati on 12th May 2023

Dr. Ashish Gupta
Asst Professor and Coordinator
VIT-AP University

Dr. Anoop Kumar Mishra
Asst Professor and Coordinator
VIT-AP University

Dr. Umakanta Nanda
Dean, SENSE
VIT-AP University

Dr. S. V. Kota Reddy
Vice Chancellor
VIT-AP University



Certificate of Participation

This is to certify that

Ravali Maroju

Sreyas Institute of Engineering and Technology, Hyderabad.

has successfully participated in the "One day Faculty Development Program on Advances in Signal Processing and Wireless Communications" Technically Sponsored by VIT-AP IEEE SBC and VIT-AP MTS Student Branch Chapter. This Faculty Development Program is organized by School of Electronics Engineering (SENSE) and at VIT-AP University, Amaravati on 12th May 2023

Dr. Ashish Gupta
Asst Professor and Coordinator
VIT-AP University

Dr. Anoop Kumar Mishra
Asst Professor and Coordinator
VIT-AP University

Dr. Umakanta Nanda
Dean, SENSE
VIT-AP University

Dr. S. V. Kota Reddy
Vice Chancellor
VIT-AP University



CERTIFICATE OF PARTICIPATION

C.No: 023-210054

Date: 23 Sep 2023

MRS. M. PAVANI

Sreyas institute of Engineering & Technology, Telengana

has participated in 5 Day Faculty Development Program on

Salesforce Platform Developer 1

conducted by ICT Academy on 19 Sep 2023 to 23 Sep 2023 at

Sreyas institute of Engineering & Technology, Telengana



In association with



Hari Balachandran
Chief Executive Officer, ICT Academy

www.ictacademy.in



INTELLECTUAL PROPERTY RIGHTS CELL
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Kukatpally, Hyderabad
A Seminar



on
"Intellectual Property Rights"
26th August, 2023



Certificate

This is to certify that Mr./Ms./Dr. M. Bhavana, Assistant Professor
from Sreyas Institute of Engineering and Technology
has attended a Seminar on "Intellectual Property Rights" held on 26th August, 2023 organized by the Intellectual Property Rights Cell, Jawaharlal Nehru Technological University Hyderabad, Kukatpally, Hyderabad in collaboration with Department of Science & Technology Government of India and Telangana State Council of Science & Technology EFS&T Department, Government of Telangana.

Dr. J. Suresh Kumar
Nodal Officer, IPR Cell, JNTUH

Registrar
JNT University Hyderabad



+ Sponsored by +



NITTRK/ICT/2022-23/6226

Certificate of Participation

Bhavana Majji

has completed One Week

Faculty Development Programme on

Advanced Digital Electronics

organised by this Institute

from 27th March to 31st March, 2023 successfully.

NATIONAL INSTITUTE OF
TECHNICAL TEACHERS'
TRAINING AND RESEARCH
(NITTTR) KOLKATA
(Established by the
Ministry of Education
Government of India)

Dr. S. Chattopadhyay
Programme Coordinator(s)

Dr. Urmila Kar
FIC, Academic Affairs

Prof. Debi Prasad Mishra
Director



MLR Institute of Technology

(UGC Autonomous)

Laxman Reddy Avenue, Dundigal, Hyderabad-500 043

Department of Electronics and Communication Engineering

Certificate of Participation

This is to certify that,

Bhavana Majji

of

Assistant professor

has successfully completed the one week Faculty Development Program on

"Innovation Methods in VLSI Design using AI and ML" conducted from

24-08-2023 to 30-08-2023.

Dr. G. Karthik Reddy
Co-ordinator

Dr. S.V.S. Prasad
HOD/ECE

Made for free with Certify'em



Certificate No: ICT-8342/23

**National Institute of
Technical Teachers Training and Research
Chandigarh**

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

Certificate

This is to certify that

BHAVANA MAJJI

**SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD
TELANGANA**

Participated in the AICTE Recognized Faculty Development Programme

on

OBE and NBA Accreditation

Conducted by

Electronics and Communication Engineering Department

from

07/08/2023 to 11/08/2023 (One Week)

at

NITTTR, Chandigarh




Coordinator


Director

STUDENT NPTEL CERTIFICATIONS



NPTEL provides accessible online education from top Indian institutions, enhancing learning across diverse disciplines. It empowers individuals with valuable skills and certifications for professional and personal development.

EVEN SEMESTER

| Category | Count |
|--|-------|
| Total Certifications | 133 |
|  Gold | - |
|  Silver | - |
| Elite | 16 |
| Passing | 177 |
| Topper | - |

ODD SEMESTER

| Category | Count |
|--|-------|
| Total Certifications | 94 |
|  Gold | - |
|  Silver | 3 |
| Elite | 30 |
| Passing | 61 |
| Topper | 2 |

TECHNICAL EVENTS

INDUSTRIAL VISIT TO ESSO- INCOIS

The industrial visit to ESSO-INCOIS (Indian National Centre for Ocean Information Services) provided students with a valuable opportunity to explore the practical applications of oceanographic research and cutting-edge technologies. Located in Hyderabad and functioning under the Ministry of Earth Sciences, Government of India, INCOIS is renowned for its work in ocean monitoring, forecasting, and early warning systems. During the visit, students gained insights into real-time ocean services, satellite data processing, and the functioning of systems like the Tsunami Early Warning Centre. They also had the chance to interact with scientists and experts, deepening their understanding of how interdisciplinary knowledge in electronics, communication, computing, and earth sciences is utilized to address real-world challenges. This visit not only enhanced their academic learning but also inspired them to appreciate the role of science and technology in public safety, environmental monitoring, and national development.



TECHNICAL EVENTS

IIT HYDERABAD

The Drone Technology Workshop at IIT Hyderabad introduced participants to the basics of drone systems. It offered hands-on experience in assembling and customizing quadcopters.

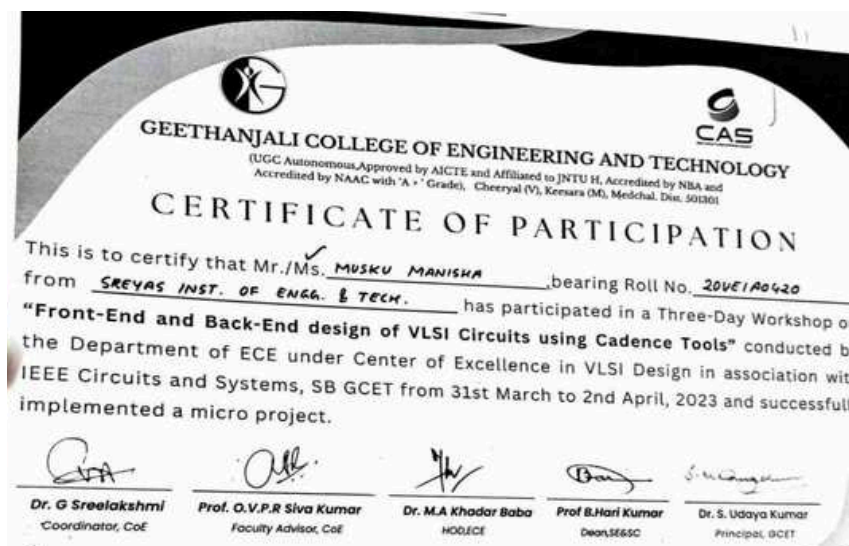
Key components like motors, sensors, and flight controllers were covered.

Real-world applications such as aerial mapping and surveillance were explored.

The workshop encouraged innovation and enhanced technical skills in UAV technology.



STUDENTS ACHIEVEMENTS





SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

(Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)
Accredited by NAAC with 'A' grade, NBA & ISO 9001:2015
NAGOLE, BANDLAGUDA, HYDERABAD, TELANGANA - 500 068.

SRIYAM-2K23

Cultural Fest Tech Fest Sports Meet

This certificate is awarded to Mr. / Miss. Mr. Nagaraju

has secured 1st place in the event

Poetry Writing conducted during 27th - 29th March 2023.

Convener

Dr. S. Sai Satyanarayana Reddy
Principal



CERTIFICATE OF COMPLETION



This is to certify that Boodida Kireeti ECE has successfully completed the
Core Java Certification Programme at Sreyas Institute of Engineering and Technology in
collaboration with Naresh i Technologies from 15th May 23 to 10th June 23, with a total
score of 60/100.

Dr. S. Sai Satyanarayana Reddy
Principal, SIET HYD.



Mr. Kishan Basina
Java Trainer
Naresh i Technologies



CERTIFICATE OF PARTICIPATION



This certificate is proudly awarded to

M. MANISHA

for participating in the event "Telangana Ku Haritha Haram"
conducted by SIET NSS cell

DR. S. SATYANARAYANA
REDDY
PRINCIPAL



SWATHI GOWROJU
NSS PD

ORIENTATION PROGRAMME





FRESHERS



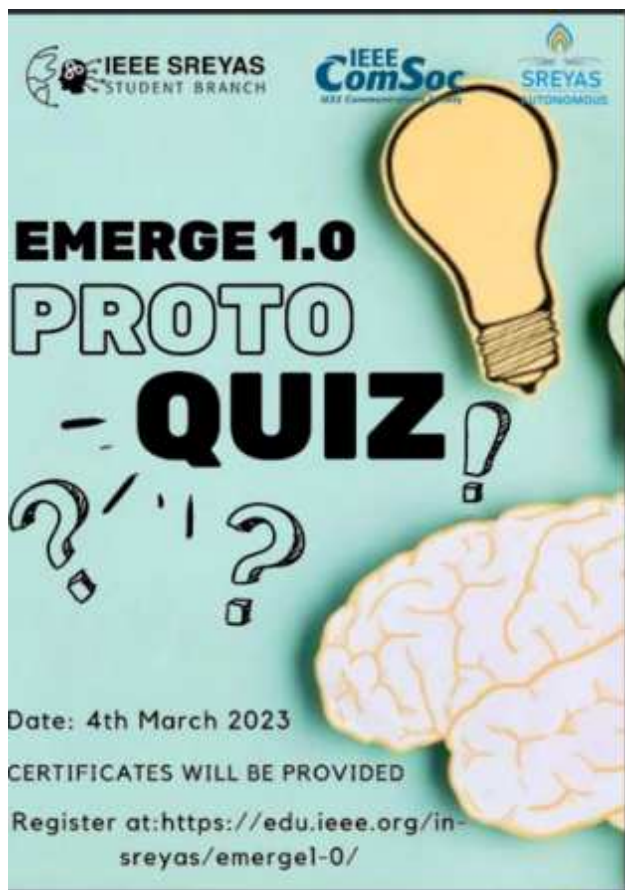
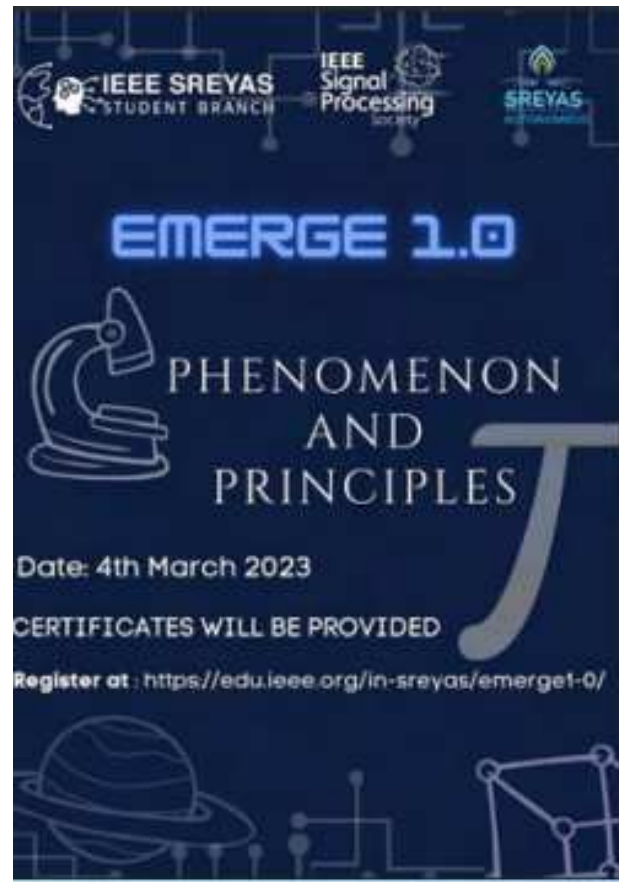
Freshers' Day was really fun and exciting. It was a great chance to meet new people and get to know the seniors and teachers. The activities and performances made the day lively, and it helped me feel more comfortable and confident about starting this new phase. I especially enjoyed the music and games, which made everyone laugh and relax. It was nice to see how welcoming and friendly everyone was, making it easier to fit in. Overall, the day gave me a positive start and made me look forward to the coming months.

IEEE EVENTS 2023

IEEE Sreyas Student Branch organized a series of technical and non-technical events on March 4th, 2023, offering students valuable insights and hands-on experience. Many enthusiastic participants took part and earned certificates for their achievements..



IEEE EVENTS 2023



NSS EVENTS

Road Safety Training session



JOIN US FOR ROAD SAFETY TRAINING



JOIN THE SEMINAR FOR A CHANCE TO WIN A OFFICIAL ROYAL ENFIELD SCALE MODEL.

SAFETY TRAINER
EXXONMOBIL SALES ADVISOR

MR. ADISHANKAR
MR. KHUSHRAJ MULCHANDANI

ON FEB 24, 2PM
at Sreyas Institute.

Learn Good Habits, Defensive Driving Techniques & Vehicle Maintenance with our Experts.



TB AWARENESS PROGRAM



YOGA SESSION 21-06-2023 ON INTERNATIONAL YOGA DAY



WOMEN SAFETY AND CYBER CRIME AWARENESS PROGRAM





WORLD CLASS TECHNICAL CAMPUS

-WITHIN THE CITY



Editorial Board

| | |
|---------------------------------|---|
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| In-Charge Head : | Mr. S V Maruthi Rao Chinnam, MS - ES & Robotics, Associate Professor Ph: 9177656868, E-mail: maruthirao.chinnam@sreyas.ac.in |
| Editor in charge : | Mr. S V Maruthi Rao Chinnam, MS - ES & Robotics, Associate Professor Ph: 9177656868, E-mail: maruthirao.chinnam@sreyas.ac.in |
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| Student Coordinator : | P. Teja Ranganath. , 19VE1A04G4 |
