



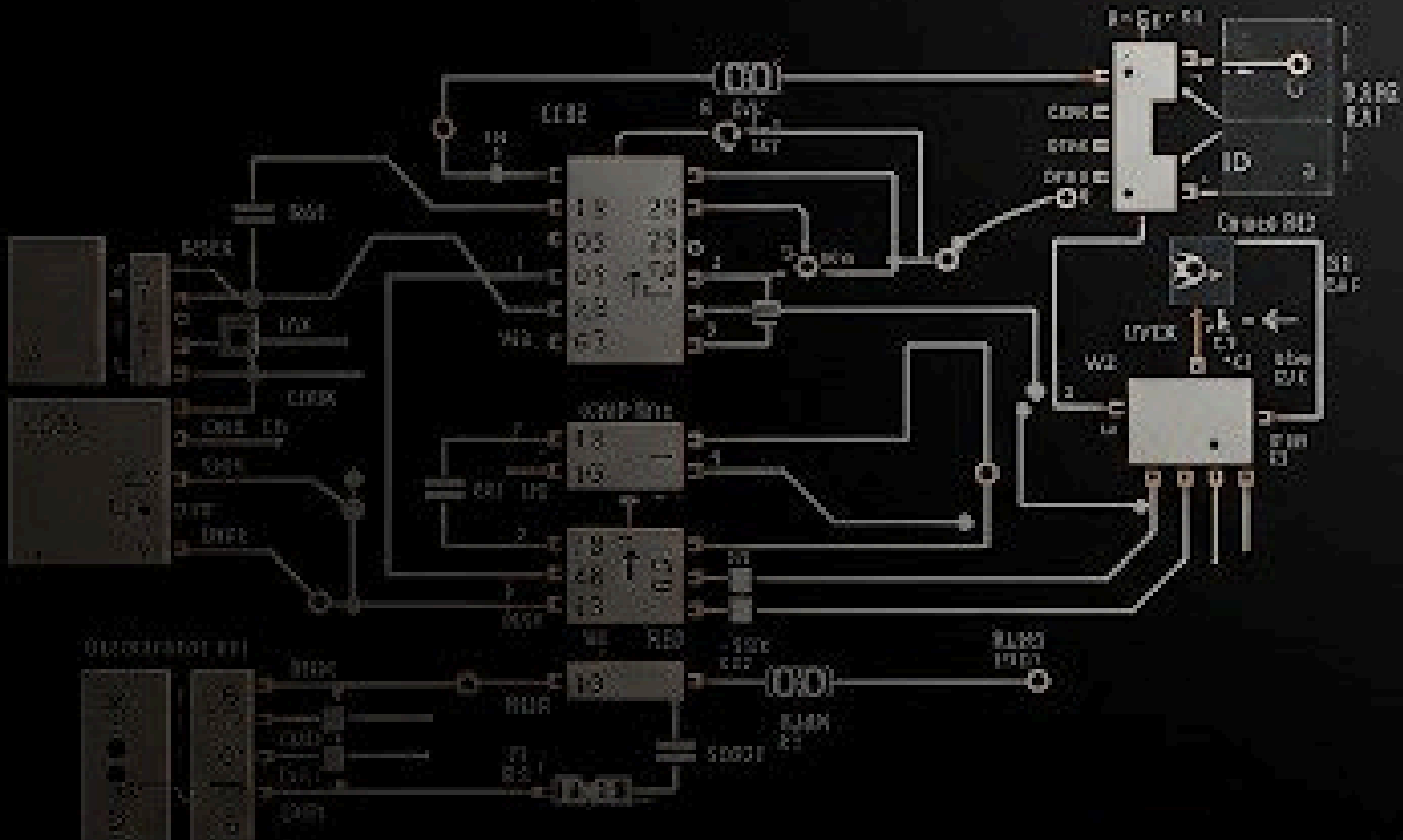
# SREYAS

INSTITUTE OF ENGINEERING AND TECHNOLOGY

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



IEEE SREYAS  
STUDENT BRANCH



# TECH-ZINE

2022 - 23

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, 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 Faculties. The Department has MOUs with BSNL, Corel Technologies, Physitech, SS Electronics, Campus Image.





# VISION

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

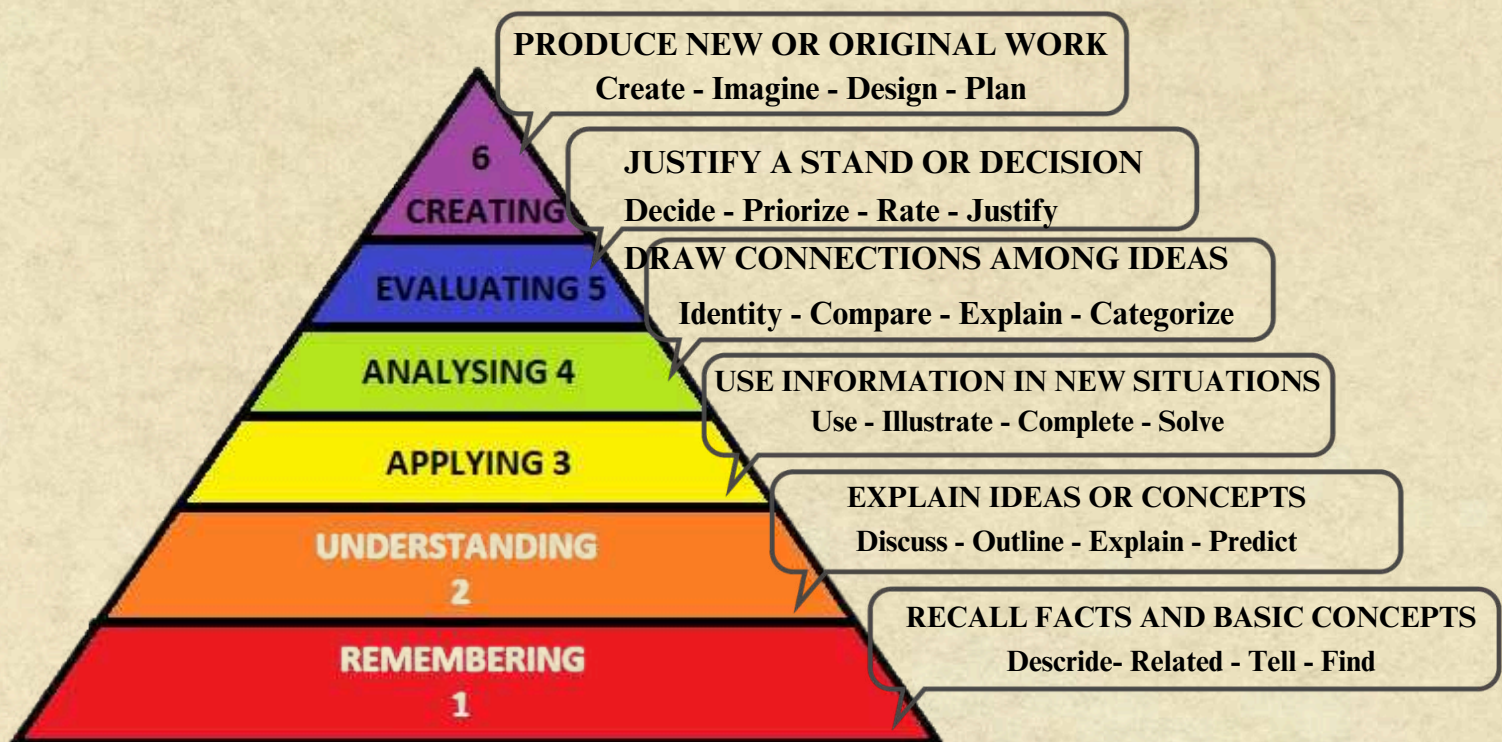
# MISSION

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 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 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.

Achievement Category	Count	Remarks
Total Certifications	9	Demonstrates broad engagement in learning
 Gold Certifications	-	Prestigious achievement
 Silver Certifications	1	High level of success
Elite Certifications	4	Significant accomplishment
Passing Faculty	4	Commitment to knowledge acquisition
Top 5% Rankings	1	Excellence in learning





# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**SREENIVASU BHUKYA**  
for successfully completing the course  
**Cloud Computing**  
with a consolidated score of **72 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jan-Apr 2023)

Roll No: NPTEL23CS42553754315

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 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**CHANDRIKA SAXENA**  
for successfully completing the course  
**Data Base Management System**  
with a consolidated score of **54 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jul-Sep 2023)

Roll No: NPTEL23CS79545704218

Duration of NPTEL course : 8 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 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



## NPTEL+ Workshop Certificate

This certificate is awarded to  
**M. BHAVANA**  
for successfully completing the online workshop  
**Introduction to 5G – Is it required for India?**  
by Mr. Kiran Marathe, DTRI

Date : 13th May, 2023



Verify

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

### CERTIFICATE

This is to certify that, **MS. BHAVANA MAJJI** of **G. NARAYANAMMA INSTITUTE OF TECHNOLOGY AND SCIENCE** has successfully participated in IP Awareness/Training program under

**NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on June 17, 2022

Organized by  
**Intellectual Property Office, India**

Date: June 27, 2022



(Prof. (Dr) Unnat P. Pandit)  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS



Learn on Arm



This is to certify that  
**Ashalatha Somisetti**  
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 31<sup>st</sup> to 4<sup>th</sup> August 2023

Dr. Ramesh Unnikrishnan  
Advisor to,  
Training and Learning Bureau,  
All India Council for Technical  
Education (AICTE)

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

Guru Ganesan  
President and Managing Director,  
Arm India

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



This is to certify that  
**ASHOK BATTULA**

Participated in 5 Days Online International Faculty Development Program on

**NLP and ChatGPT APPLICATIONS**

organized by **SECAB Institute of Engineering & Technology** in Collaboration with **ExcelR Edtech Pvt. Ltd.**

Date: 14<sup>th</sup> Aug to 19<sup>th</sup> Aug 2023

Dr. R. B. Khadiraikar  
Principal, SIET

Dr. Saba Fatima  
FDP Coordinator-SIET

Ram Tavva  
CEO, ExcelR Edtech  
Pvt. Ltd.



Cert No: EXCEL-R-FDP-56247/28082023







# Student Participation certificates





# Student Participation certificates







# EVENTS



# ICT ACADEMY-BRIDGE 2022

Sreyas Institute of Engineering and Technology participated in the ICT Academy - Bridge 2022 Event in December 2022. Our college was the Academic partner of the event. Dr Palanivel Thiagarajan, Honourable Minister for Information Technology and Digital Services, was the Chief Guest for the event. During the event, Sri Anantula Hriday Reddy, Vice-Chairman, Dr Sai Satyanarayana Reddy, Principal, Mr Sriharsha, ICT Academy-Coordinator, and Mr Anish Srivastav, Placements Director, met with the honourable minister. The minister enquired about the institution's progress, and the Vice-chairman and Principal proudly presented the significant progress and development our college has made during the last decade, reassuring us of our continued growth and success.

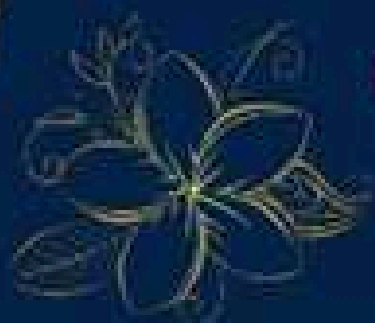




JULY 2023

# Invitation

WE REQUEST YOUR GRACIOUS PRESENCE  
ON THE OCCASION OF



## Orientation Day

### Freshers-2022

*Hearty Welcome to Students and Parents*

**B.Tech (1st Year)**

**Monday, October 31st, 2022**

**Timings: 09:00 AM**



**SREYAS INSTITUTE OF  
ENGINEERING AND TECHNOLOGY**

**An Autonomous Institution**

Bandlaguda, Nagole, Hyderabad



# ORIENTATION DAY?



Sreyas Institute of Engineering and Technology conducted Orientation Day on 31st October, 2022, welcoming the first autonomous batch with gusto and elation. It was followed by inviting the dignitaries on to the dais. Prof. R. Limbadri, Chairman of the Telangana State Council of Higher Education (TSCHE) was the Chief Guest of the programme. Among other dignitaries present were Secretary Chintala Ravindranath Yadav, Vice-Chairman, Sri Anantula Hriday Reddy, Principal, Dr.S.Sai Satyanarayana Reddy, HoD, CSE, HoDs of H&S, CSE-AIML, CSE-DS, ECE, CIVIL and Mechanical departments



లింబాద్రిని సన్మానిస్తున్న రవీంద్రనాథ్ యాదవ్, పద్మావతి రెడ్డి పామిరెడ్డి నగర్, అక్టోబరు 31 ప్రభాత వార్త: పోటీ ప్రపంచంలో విద్యార్థులు తమ నైపుణ్యాన్ని పెంపొందించుకోవడం ద్వారా లక్ష్యాలను సాధించాలని తెలంగాణ ఉన్నత విద్యామండలి చైర్మన్ డా॥ఆర్ లింబాద్రి అన్నారు. పెద్దఅంబర్ పేట మున్సిపాలిటీ తల్లిఅన్నారంలోని శ్రీమహా ఇస్కూట్ అఫ్ ఇంజనీరింగ్ అండ్ టెక్నాలజీలో సోమవారం ఇంజనీరింగ్ మొదటి సంవత్సరం విద్యార్థులకు 12వ ఓరియంటేషన్ కార్యక్రమం నిర్వహించారు. కార్యక్రమానికి ముఖ్య అతిథిగా హాజరైన ఆయన మాట్లాడుతూ ఇంజనీరింగ్ విద్య విద్యార్థుల భవిష్యత్తుకు ఎంతో కీలకమన్నారు. క్రమశిక్షణతో చదివి, పరిశోధనలు చేసి ఉత్తమ ఫలితాలను సాధించాలని సూచించారు. విద్యకు సంబంధించిన నైపుణ్యాలు, ఉల్లేఖ అవకాశాలను గురించి ఆయన వివరించారు. ప్రీన్స్ చిత్ చా.సాయి సత్యనారాయణరెడ్డి విద్యార్థుల కోర్సులు, ప్రమోచుక్ ప్రెజెంట్ గురించి వివరించారు. విద్యార్థుల హాజరు లిస్టు-షెడ్యూల్తో అనుసంధానం చేసేట్లు తెలిపారు. కార్యక్రమంలో కళాశాల గెజిటర్ లింకల రవీంద్రనాథ్ యాదవ్, వైస్ చైర్మన్ ఆనంతుల మాన్సి రావురెడ్డిలు కళాశాలలో విద్యార్థులను అందించే బోధన, సదుపాయాల గురించి వివరించారు. కార్యక్రమంలో సుమారు 500 మందికిపైగా విద్యార్థులు వారి తల్లిదండ్రుల పాల్గొన్నారు.

www.andhrayjothy.com | ఆంధ్రజ్యోతి

**ORIENTATION PROGRAMME**

మాట్లాడుతున్న ఉన్నత విద్యా మండలి చైర్మన్ లింబాద్రి

**కష్టపడి చదివితే ఉజ్వల భవిష్యత్**

● రాష్ట్ర ఉన్నత విద్యా మండలి చైర్మన్ లింబాద్రి

అబ్దుల్లాపూర్ మెట్, అక్టోబర్ 31(ఆంధ్రజ్యోతి): నాలుగేళ్లు కష్టపడి చదివితే ఇంజనీరింగ్ విద్యార్థులకు ఉజ్వల భవిష్యత్ ఉంటుందని తెలంగాణ రాష్ట్ర ఉన్నత విద్యా మండలి చైర్మన్ డా॥ఆర్ లింబాద్రి అన్నారు. నగర శివారు తల్లిఅన్నారంలోని శ్రీమహా ఇస్కూట్ అఫ్ ఇంజనీరింగ్ అండ్ టెక్నాలజీలో సోమవారం ఓరియంటేషన్ కే కార్యక్రమం జరిగింది. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా హాజరైన లింబాద్రి, కళాశాల ప్రెన్స్ చా.సాయి సత్యనారాయణరెడ్డి, కళాశాల గెజిటర్ లింకల రవీంద్రనాథ్ యాదవ్, వైస్ చైర్మన్ ఆనంతుల రవీంద్రనాథ్ కలిసి జ్యోతి ప్రజ్వలన చేసి కార్యక్రమం ప్రారంభించారు. ఈ సందర్భంగా లింబాద్రి మాట్లాడుతూ పోటీ ప్రపంచంలో సాంకేతిక నైపుణ్యాలపై దృష్టి పెట్టాలని విద్యార్థులకు సూచించారు. తల్లిదండ్రుల కళలను సాకారం చేయాల్సిన బాధ్యత విద్యార్థులపై ఉందన్నారు. కార్యక్రమంలో అధ్యాపకులు, హెచ్ టీ డీలు, విద్యార్థులు పాల్గొన్నారు.

Date: 01/11/2022, Edition: Hyd\_Dilsukhnagar\_LB, Page: 7



# INDUCTION PROGRAMME



The SIET Induction Programme included workshops by eminent speakers and BEC classes to enhance English proficiency. Highlights included sessions on global engineering skills by Prof. Suresh Akella, ethics by Dr. B. Diwakar, academic regulations by Dr. B. Suresh Babu, and discipline by Prof. M.L. Sai Kumar. A special yoga session and practical BEC training further enriched the students' experience.





# FRESHERS DAY



The 18th of December, 2021, was a day to remember for the Computer Science and Engineering (ECE) freshers at Sreyas College. The eagerly awaited Fresher's Party brought together seniors and juniors in a celebration of new beginnings and college spirit. Filled with excitement, laughter, and energy, the event allowed everyone to bond and create lasting memories.

The Placement Cell was transformed into a lively venue where the day kicked off with heartfelt welcomes from seniors. Talented students showcased their skills through vibrant singing, dance performances, and a Ramp Walk. The energy was contagious as both seniors and juniors cheered each other on, making everyone feel a part of something special.

The Ramp Walk, in particular, stood out as juniors confidently walked the stage, displaying both style and personality. The event was more than just a part it was a moment of unity, where juniors experienced the warmth of the college community and seniors embraced their roles as mentors.

The Fresher's Party of 2021-2022 wasn't just about performances; it was a celebration of friendship, joy, and the beginning of an exciting journey in college life.

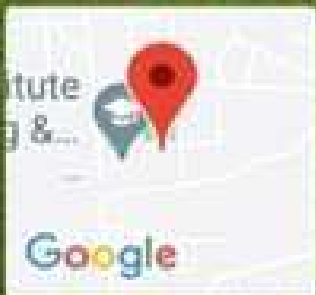




# NSS EVENTS



The **NSS wing** of our college promotes social responsibility through activities like cleanliness drives, health camps, and rural development programs. It empowers students to lead and serve, fostering teamwork and leadership. Dedicated to community welfare, it inspires meaningful contributions to society.



**Hyderabad, Telangana, India**

9H3V+RJC, Mansurabad Reserved Forest, Auto Nagar, Hyderabad,  
Telangana 500068, India

Lat 17.354617°

Long 78.594138°

21/06/22 09:05 AM



# “CLAY GANESH” EVENT



Our college celebrated the eco-friendly '**Clay Ganesh**' event with enthusiasm and creativity. Students handcrafted beautiful Ganesh idols from clay, promoting the importance of sustainable practices. The event emphasized the need to preserve nature while honoring traditions. Workshops were held to teach the art of **idol-making**, encouraging everyone to adopt eco-conscious methods. The celebration concluded with a pledge to support environmental conservation and inspire others to celebrate festivals responsibly.





# FARMER EMPOWERMENT



The **NSS volunteers** from our college actively participated in a farmer empowerment initiative, reaching out to **local farming communities**. They organized interactive sessions to educate farmers on sustainable practices and modern agricultural techniques. Awareness drives on government schemes and financial support were conducted to empower them with essential resources. The volunteers also facilitated workshops on **organic farming** and **water conservation**, leaving a lasting impact. This effort reflected our commitment to supporting farmers and building a sustainable future.





# BLOOD DONATION CAMP



The NSS wing of our college successfully organized a Blood Donation Camp on 23-December-2022. The event witnessed an overwhelming response from students, faculty, and staff, who came forward to donate blood and contribute to this noble cause. Expert medical professionals ensured a smooth and safe donation process, fostering awareness about the importance of blood donation in saving lives.

The camp collected [number] units of blood, which will benefit patients in need across our community. We extend our heartfelt gratitude to all the donors and volunteers for making this event a resounding success and reinforcing the spirit of humanity and service.



STUDENTS IN

# IEEE SRF

The Institute of Electrical and Electronics

A global beacon of technological excellence, IEEE empowers professionals and student engineers within the ECE department, serving as a gateway to cutting-edge knowledge and a vibrant community of experts. By fostering innovation and professional development, IEEE equips its members with the skills and connections necessary to excel in the world of technology. This engagement not only enhances academic and practical experience but also paves the way for them to become future leaders and innovators in the field.





# CISCO PACKET TRACER

Cisco Packet Tracer is a network simulation tool that allows users to create, configure, and troubleshoot virtual networks. It's widely used for learning and practicing networking skills without needing physical equipment.

The workshop Cisco Networking, organized by IEEE SREYAS STUDENT BRANCH held at Sreyas Institute of Engineering and Technology, Hyderabad on 29th and 30th of September, 2022. 100 students from IV year of ECE department participated in the two days workshop.





# ENGINEERS DAYS

Engineering Day at Sreyas Institute of Engineering and Technology showcased innovative projects and technical skills of students. The event inspired creativity and highlighted the role of engineering in shaping the future.







# ***WORLD CLASS TECHNICAL CAMPUS***

## **-WITHIN THE CITY**



### **Editorial Board**

---

<b>Head of the Department</b>	<b>:</b>	<b>Dr. N. Murali Krishna, PhD. , Professor</b> <b>Ph: 9885837534, E-mail: muralikrishna.n@sreyas.ac.in</b>
<b>Editor In-Charge</b>	<b>:</b>	<b>Mr. S V Maruthi Rao Chinnam, MS - ES &amp; Robotics, Associate Professor</b> <b>Ph: 9177656868, E-mail: maruthirao.chinnam@sreyas.ac.in</b>
<b>Faculty Coordinator</b>	<b>:</b>	<b>Mr .G. Vijay Goud , M Tech - ACS , Associate Professor</b> <b>Ph: 9652083332, E-mail: vijay.g@sreyas.ac.in</b>
<b>Student Coordinator</b>	<b>:</b>	<b>P. Teja Ranganath, 19VE1A04G4</b> <b>R. Dharma Teja, 20VE1A0440</b> <b>K. Anupam Mohan, 21VE1A04A0</b> <b>T. Sree Harsha, 22VE1AO4C3</b> <b>K. Shyam, 22VE1A0488</b> <b>A. Rajveer Singh, 23VE1A0468</b>

---