



SREYAS

INSTITUTE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

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



2023-2024

ELECTROMAG

PUBLISHED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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ABOUT THE COLLEGE



The Campus is located at Nagole, the heart of the city of Hyderabad. The Campus is a stone's throw away from reputed media houses, service and IT Industry hubs. This is the result of deliberation and planning of every aspect to create a world-class technical education institution. The first impression as you enter the sprawling green and verdant campus of Sreyas leaves a lasting impression of innate calm and energizing growth.

The campus is scientifically planned and artistically designed. The students have access to the latest software & computing facilities for learning and research to groom them into future citizens.

Our student-centric approach ensures that Sreyans gain not just depth and breadth in their chosen area of specialization, but a holistic set of skills that will equip them to face the real world. At every stage, there will be opportunities to expand their boundaries, with multiple platforms for collaboration and learning. The infrastructure is absolutely world-class with opportunities to build practical skills in state-of-the-art laboratories & workshops. The thriving, vibrant campus with its multitude of activities help them develop a well-rounded and grounded personality that evolves naturally.

Finally, our intention is to ensure that every opportunity to learn is utilized to the maximum and the end goal is that the student transforms into an individual full of enthusiasm, confidence and knowledge to face global challenges, becoming both individually and professionally successful, as well as socially responsible.

This proximity helps us in attracting the beacons of the industry to our Campus for regular interactions with our students. The Campus is also the hub for many academic and professional activities making it pulsate with positive energy.

VISION

To be a centre of excellence in technical education to empower the young talent through quality education and innovative engineering for well being of the society.

MISSION

1. Provide quality education with innovative methodology and intellectual human capital.
2. Provide conducive environment for research and developmental activities.
3. Inculcate holistic approach towards nature, society and human ethics with lifelong learning attitude.

MESSAGE FROM THE CHAIRMAN



Anantula Vinay Kumar Reddy

Sreyas Institute of Engineering and Technology is a product of a dream and vision to excel and be a premier institution in the field of engineering. The college has the most modern and best infra structure. It provides a wide arena for the staff and students to showcase their academic and extracurricular activities.

Our endeavor is to provide the students an exhilarating experience. The college is within the city limits yet in the midst of eco-friendly green surroundings. You can find nature and technology blending in our campus.

Sreyas provides you with all the opportunity and liberty to discover yourself. The institution aims at encouraging the students to develop, master and gain the knowledge to the latest technology and global development. I believe that these will be the best years of your lives. The years you spend in our institution will shape your future and make you an excellent engineer and a wonderful human being.

On behalf of every member of this institution, I welcome you to our college. We are here to guide and assist you all the way to achieve your goal and excel in all that you do while you are with us.



Chintala Ravindranath Yadav

We, at Sreyas Institute of Engineering and Technology, are committed to build a congenial atmosphere for the next generation of engineers to excel professionally. Our endeavor is to meticulously sculpture our students of B.Tech in being the best in their chosen fields. The main emphasis and mandate is excellence, perfection and all round development. We believe and understand that as educators have a special responsibility to nurture co-operation, tolerance and mutual respect in our diverse society. We expect the students of Sreyas to broaden their horizon both academically and culturally. The emphasis is to make the college a place to promote freedom of thought, creativity and innovation which are essential to academic excellence.

Sreyas guarantees its students better access to corporate world through summer internships. This in turn leads them good placements at the end of their course.

Do Come, join us and enjoy the best years of your life with us at Sreyas.

MESSAGE FROM THE SECRETARY

MESSAGE FROM THE TREASURER



Sri Nirvetla Sharath Reddy

You'll find that everything at SREYAS is single-mindedly focused on addressing students' needs. We are clear that it is our responsibility to help our students to realize their goals in an increasingly competitive world.

At SREYAS, be prepared to be constantly challenged, whether it is in classroom or outside. You can look forward to being trained by excellent and committed faculty, get hands-on experience in the state of the art technology in world class MNCs and building enduring bonds with your peers. The infrastructure at SREYAS is absolutely world class and you will build practical skills at laboratories and workshops. You will also enjoy a vibrant campus life with its diverse and enthusiastic student community.

Finally, SREYAS is about always trying to push the bar a little more, constantly innovating and never standing still. If these are values you believe in too, you will do well at SREYAS. If you have the drive and determination, come to SREYAS and we will help you realize your dreams.

MESSAGE FROM THE VICE CHAIRMAN



Sri Anantula Hriday Reddy

As the Vice Chairman of Sreyas Institute of Engineering and Technology, I extend a heartfelt welcome to our dynamic community. Our mission is to develop students who can confront any challenge, whether in academics or the real world. Our distinguished faculty are dedicated to offering exceptional guidance and mentorship. We provide access to cutting-edge technology and invaluable hands-on experience through partnerships with leading multinational corporations. At Sreyas, we prioritize building enduring and meaningful connections among our students. We empower our students to not only learn but also master the latest technological advancements. Our aim is to nurture well-rounded individuals who are prepared to lead and innovate in the future. We are forging a future where our students are at the forefront of technological progress

MESSAGE FROM THE PRINCIPAL



Dr.K.Sagar

At Sreyas, we are deeply committed to cultivating a culture of academic excellence and innovation. As a principal of this college, my foremost objective is to uphold and enhance the exceptional standards of teaching and research that define the essence of our institution. With over 26 years of rich experience in teaching and administration, I am steadfast in my dedication to overseeing, guiding, and continually elevating the quality of our educational initiatives. This pursuit of excellence is a collaborative endeavor, powered by the collective passion and hard work of our esteemed faculty, and ambitious students. Together, we aim to nurture future-ready professionals equipped with cutting-edge knowledge, refined skills, and unwavering ethical values—individuals who will meaningfully contribute to societal progress and national development.

MESSAGE FROM THE DEAN-ACADEMICS



Prof. B. Sreenivasu

As the Dean-Academics at Sreyas Institute of Engineering and Technology, we champion innovation and academic excellence. Our students engage in pioneering research and hands-on projects, preparing them for industry challenges. We provide advanced labs and foster collaborative, critical thinking.

We empower lifelong learners, adaptable innovators, and ethical professionals. Our commitment to an inclusive and supportive learning environment inspires a passion for discovery and continuous improvement. We nurture well-rounded engineers ready to make significant contributions to society.

MESSEGE FROM THE DEAN-IQAC

Dr. J. Pandu Ranga Rao



Sreyas Institute of Engineering and Technology proudly unveils this magazine, a vibrant testament to the creative spirit within our community. It serves as a platform for our students to express their diverse talents and intellectual curiosity. We are deeply committed to fostering holistic development, nurturing not only technical proficiency but also essential life skills. This publication embodies our dedication to cultivating critical thinking, self-expression, and social responsibility. We aspire to inspire and guide our students on their journey of growth, empowering them to become impactful leaders. May this magazine serve as a beacon, illuminating the path towards a future of innovation and excellence. We are dedicated to shaping the leaders of tomorrow, today.



Dr. N. Murali Krishna
HOD



Mr. Chinnam S V Maruthi Rao
Incharge HOD

We, the HODs of ECE department, foster innovation and academic excellence. We provide a strong ECE foundation with practical, real-world relevance. Students engage in cutting-edge research and hands-on projects, preparing them for industry. We offer advanced labs and promote collaborative, critical thinking. Our goal is to develop visionary leaders in ECE. We empower lifelong learners, adaptable innovators, and ethical professionals. We are dedicated to shaping the future of ECE and technological progress. We strive to instill a passion for discovery and problem-solving. We are committed to fostering an inclusive and supportive learning community. We encourage students to embrace challenges and cultivate a spirit of continuous improvement. We are dedicated to nurturing well-rounded engineers who are prepared to make significant contributions to society.

MESSEGE FROM THE HODS

ACHIEVEMENTS

Sreyas College proudly adds another feather to its cap by receiving the prestigious Best Engineering College Award from Careers 360. This recognition highlights the institution's relentless pursuit of academic excellence, innovative teaching methodologies, and its commitment to holistic student development. The award reflects Sreyas College's outstanding performance in key areas such as infrastructure, faculty expertise, industry partnerships, and student achievements. It stands as a testament to the college's mission to nurture future-ready engineers who excel both academically and professionally. This accolade further motivates the institution to set new benchmarks in engineering education.



NPTEL LOCAL CHAPTER 'A' RATING



Sreyas Institute of Engineering and Technology is recognized as valuable local chapter with a rating of 'A' based on performance in NPTEL Online Certification courses for July to December 2023.



Dr.N.MADHU receiving the award

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.

Program Educational Objectives (PEOs)

PEO 1

Graduate will be empowered with strong fundamental concepts, analytical capability, programming and problem solving skills.

PEO 2


Graduate will be employed, may pursue higher education or undertake research

PEO 3

Graduate will embrace Professional Career Growth with Values & Ethics and urge for lifelong learning.

Program Outcomes (POs)

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.



7. Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO 1

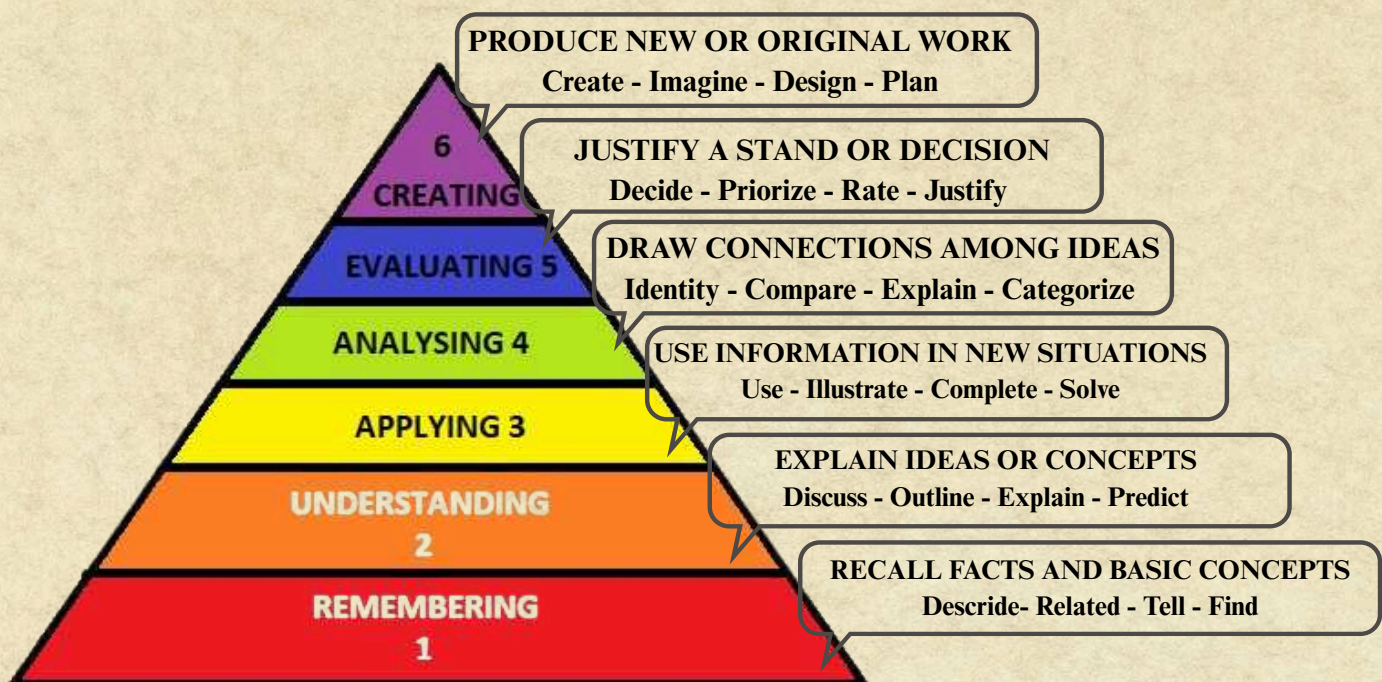
Design, analyze and develop modules and systems for applications in advanced electronics and communication systems.

PSO 2

Utilize modern tools for modeling and computational techniques in IC fabrication and RF technologies.

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.





LABORATORIES

- **Electrical Lab (Circuits):** Practical exploration of fundamental electrical circuit principles and behavior.
- **Basic Electrical Engineering Lab (BEE):** Introduction to essential electrical engineering concepts through hands-on experimentation.
- **Microwave / Optical Communication Lab:** Investigation of microwave and optical communication technologies and systems.
- **Electronic Devices & Circuits Lab / Analog Electronics / Elements of Electronics and Communication Engineering Lab:** Hands-on study of electronic components and analog circuit design.
- **Linear and Digital Application / Digital Logic Design:** Practical implementation of linear and digital circuits, including digital logic design.
- **Principles of Communication Lab:** Experimental analysis of fundamental communication principles and techniques.
- **Electronic Circuit Analysis (Software) / Principle of Communication (Software) / Data Communication Networking Lab:** Software-based analysis of electronic circuits and communication principles, and practical data networking experiments.
- **Microprocessor and Micro Controller Lab / Digital Signal Processing Lab:** Programming and implementation of microprocessor/microcontroller systems and digital signal processing algorithms.



ANALOG ELECTRONICS LAB



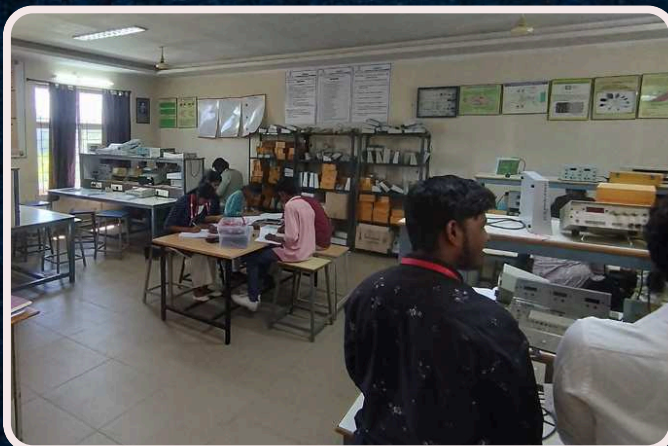
DIGITAL SIGNAL PROCESSING LAB



PRINCIPLES OF COMMUNICATION(S/W) LAB



ELECTRONIC CIRCUIT ANALYSIS LAB



ELECTRONIC DEVICES AND CIRCUITS LAB



DIGITAL LOGIC DESIGN LAB

FACULTY PUBLICATIONS

1. Sreenivasu Bhukya , Prof.L.Nirmala devi, & Dr. A. Nageswar Rao (2024).Gradient Directional Edge Coding (GDEC) for Expression Recognition from Facial Images. International Journal of Communication Networks and Information Security(IJCNIS), 16(4), 1158-1174.
2. Pandu, J., Reddy, G . R . S. and Babu Ch, A., 2024. Medical Image Segmentation Using Multi-Head Self-Attention-Based Residual Double U-Net. Journal of Shanghai Jiaotong University (Science) ,pp.1-12
3. Ch, R.K, Ashok, B. and Madhu, N., 2024. A Novel Isolation Enhancement Using Dielectric Block with Circular Patch Array Antenna for Wi-Fi Applications. Telecommunications and Radio Engineering,83(12).
4. Bandari, Spandana , and L.Nirmala Devi. "A multi-objective approach for optimal target coverage UAV placement: hybrid heuristic formulation. "Journal of Control and Decision(2024):1-17.

FACULTY NPTEL CERTIFICATION



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.

Odd Semester

Category	Count
Total Certifications	25
 Gold	-
 Silver	7
Elite	12
Passing	6
Topper	1

Even Semester

Category	Count
Total Certifications	30
 Gold	1
 Silver	10
Elite	9
Passing	10
Topper	4



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/>



Elite NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to
SREENIVASU BHUKYA
for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **93** %

Online Assignments	23.97/25	Proctored Exam	69/75
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Total number of candidates certified in this course: **32882**

Jan-Apr 2024
(12 week course)



Haimanti Banerji
Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS35S557400647

To verify the certificate



No. of credits recommended: 3 or 4



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

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

Jul-Oct 2024
(12 week course)



Skill India
कौशल भारत - कुशल भारत



Haimanti Banerji
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 Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to
SREENIVASU BHUKYA
for successfully completing the course

Python for Data Science

with a consolidated score of **53** %

Online Assignments	22.92/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **7596**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Aug 2023
(4 week course)



Andrew Thangaraj
Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS99S45704541

To verify the certificate



No. of credits recommended: 1 or 2



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: NPTEL23CS79S45704218

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



CERTIFICATE OF APPRECIATION TO

SREENIVASU BHUKYA

for being recognized as NPTEL ENTHUSIAST
JUL-DEC 2023

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL ENTHUSIAST

Candidate has to appear in atleast 8 exams in Jan 2022 - Jul 2023, passed in 75% of courses appeared (not looking for continuity here)



CERTIFICATE OF APPRECIATION TO

BHAVANA MAJJI

for being recognized as NPTEL BELIEVER
JAN-APR 2024

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

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







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 / BIED / FDP through MOOCs / 2017-18



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



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 Umikrishnan
Advisor-IT,
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 Benkrir
Senior Director,
Education and Research,
Arm Ltd



**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



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
sponsored 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


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 No: EESTTPAPR23-24-6



VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Affiliated to JNTUH, Approved by AICTE, Accredited by NAAC with A++ Grade, ISO 9001:2015 Certified
Kacharam, Shamshabad, Hyderabad - 501218, Telangana, India

Certificate of Participation

This is to certify that **Mrs. Chandana Nadella**, Assistant Professor, **Sreyas Institute of Engineering and Technology, Hyderabad**, has participated in One Week National Level online Short Term Training Program on "Dive into Data Using Microsoft Power BI" organized by the **Department of EEE, Vardhaman College of Engineering, Hyderabad** during 22nd April to 27th April 2024.


Mr. A. Ananda Kumar
Coordinator


Dr. N. Karupiah
HoD.EEE


Dr. JVR. Ravindra
Principal



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.

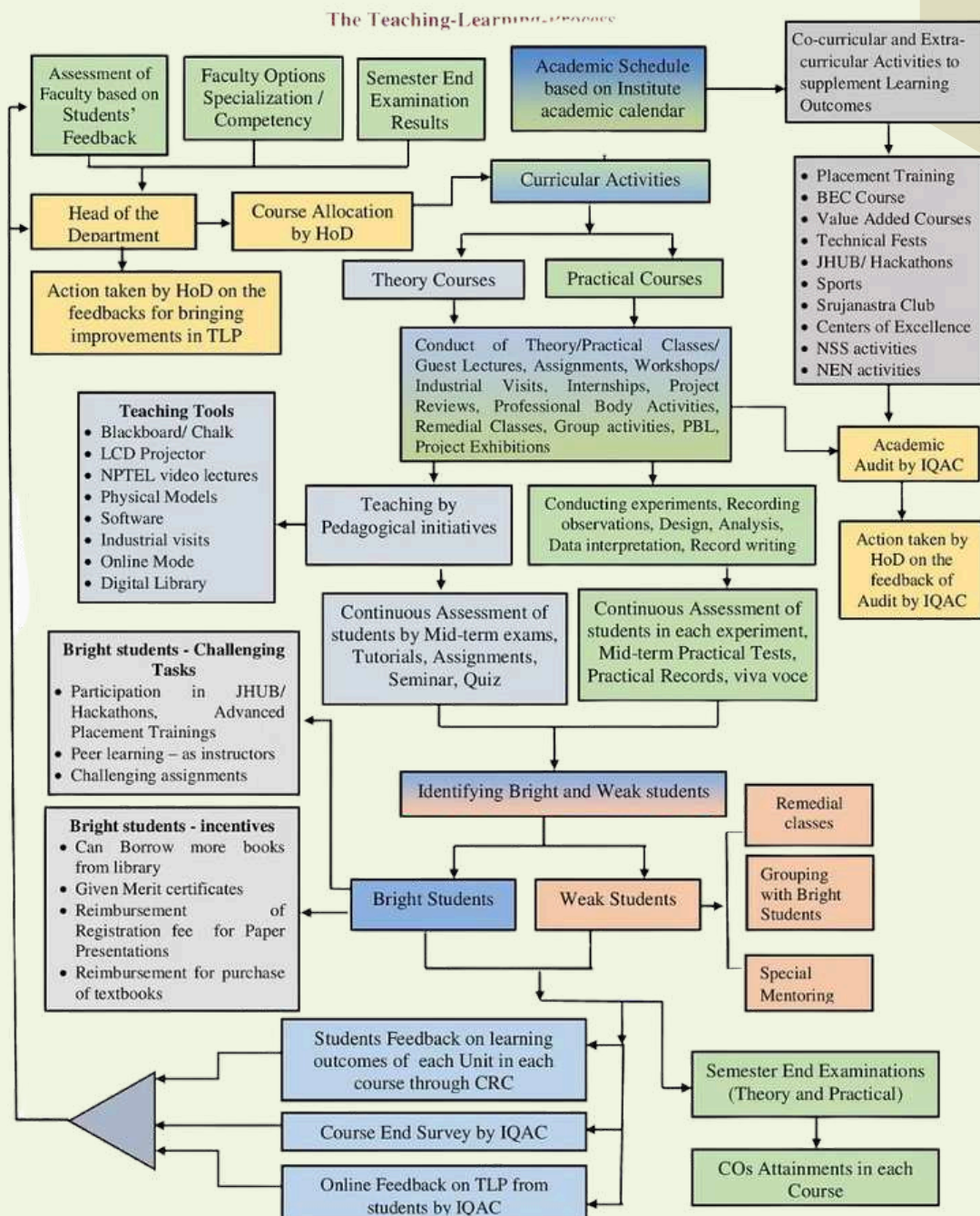

Dr. G. Karthik Reddy
Co-ordinator


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

Made for free with Certify'em

INNOVATIVE TEACHING METHODS

Innovative teaching methods are dynamic, student-centric approaches that move beyond traditional lectures, actively engaging learners through diverse strategies like project-based learning, flipped classrooms, and technology integration. Their aim is to foster critical thinking, problem-solving, and deeper understanding, making learning more interactive and relevant.





SEMESTER WISE TOPPERS 2023-2024

I YEAR I SEMESTER



M SINDHUJA - 9.65
23VE1A0435



R. KAVYA - 9.60
23VE1A0451



V. MANISHA - 9.60
23VE1A0462

I YEAR II SEMESTER



R. KAVYA - 9.85
23VE1A0451



K. NIHARIKA - 9.55
23VE1A0422



JASMINE PATNAIK - 9.50
23VE1A0421



SEMESTER WISE TOPPERS 2023-2024

II YEAR I SEMESTER



B.SAI DEEPAK-9.55
22VE1A0473



RAJASREE - 9.50
22VE1A04C9



SURABHI - 9.45
22VE1A0459

II YEAR II SEMESTER



SSANVI - 9.85
22VE1A0451



SURABHI - 9.55
22VE1A0459



VAISHNAVI THAKUR-9.40
22VE1A0463



SEMESTER WISE TOPPERS 2023-2024

III YEAR I SEMESTER



SEETHA YAMUNA-8.11
22VE5A0413



B. BHAVANI - 8.0
21VE1A0476



PUJITHA - 7.68
22VE5A0407

III YEAR II SEMESTER



N. SWETHA - 8.0
21VE1A04B0



SEETHA YAMUNA-7.84
22VE5A0413



SRILEKHA - 7.79
21VE1A0464



SEMESTER WISE TOPPERS 2023-2024

IV YEAR I SEMESTER



A. PALLAVI- 8.60
20VE1A0466



S. BINDHU SRI-8.48
20VE1A04A3



RISHITHA - 8.36
20VE1A04B2

IV YEAR II SEMESTER



P.SAI GOPAL -9.70
20VE1A0431



S. BINDHU SRI- 9.54
20VE1A04A3



MANIK PRABHU- 9.40
20VE1A0430

STUDENTS' 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.

ODD SEMESTER

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

EVEN SEMESTER

Category	Count
Total Certifications	133
 Gold	-
 Silver	-
Elite	16
Passing	117
Topper	-



IGNITE IMAGINATION &
INSPIRE ICONIC INNOVATIONS 2.0
3 DAY NATIONAL TECHNICAL CONVENTION

CERTIFICATE OF PARTICIPATION

MANDHANAPU NAREAN CHOWDARY

SREYAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

has actively participated in **Ignite Imagination & Inspire Iconic Innovations (i5) 2.0** at Kerala University of Digital Sciences, Innovation and Technology, (Digital University Kerala), Thiruvananthapuram on 1st to 3rd March 2024.


DR M V RAJESH MALIYECKAL
GENERAL CHAIR, i5

DocuSigned by:

DR ALEX P JAMES
GENERAL CHAIR, i5

The Institute of Electrical and Electronics Engineers Inc.,



IEEE Hyderabad Section

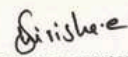



Certificate of Participation

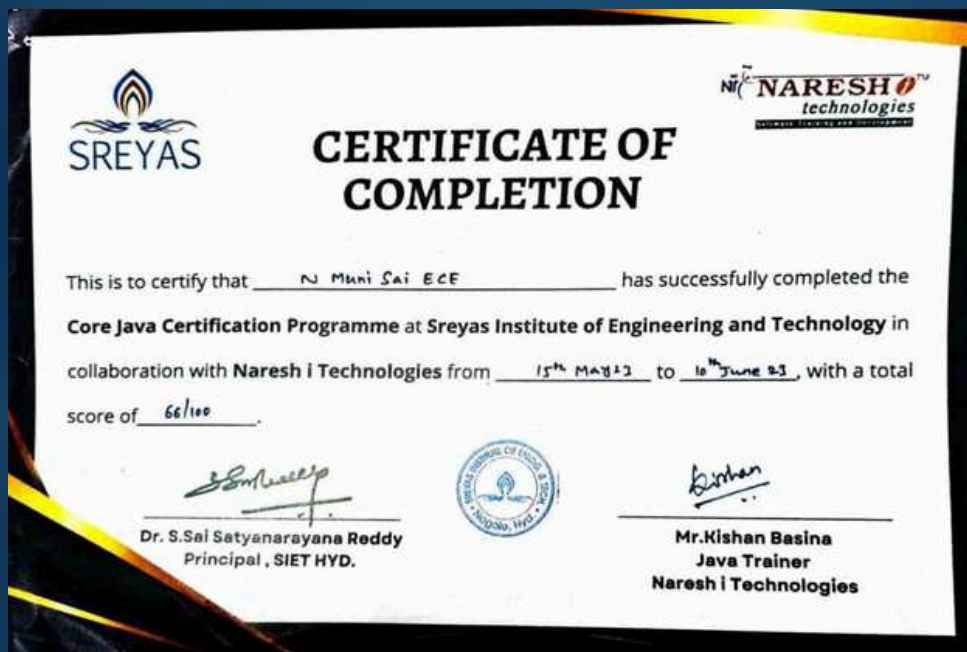
This is to certify that Mr./Ms. Anupam Ram Mohan Chary Koramaju attended a Two - Day workshop (29th -30th October 2024) Titled " Feature Selection Methods in Remote Sensing Imagery" organized by IEEE CIS/GRSS Jt. Chapter in Collaboration with Dept. of Artificial Intelligence and Machine Learning, VBIT, Hyderabad.



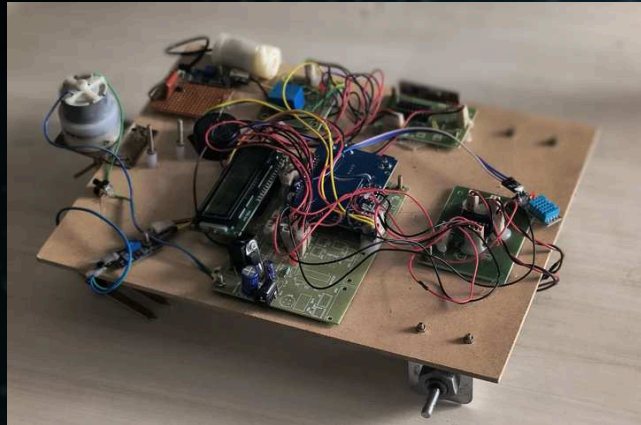

Vice Chair
IEEE CIS/GRSS Jt. Chapter


HOD, Dept of AI&ML
VBIT, Hyderabad


Principal
VBIT, Hyderabad

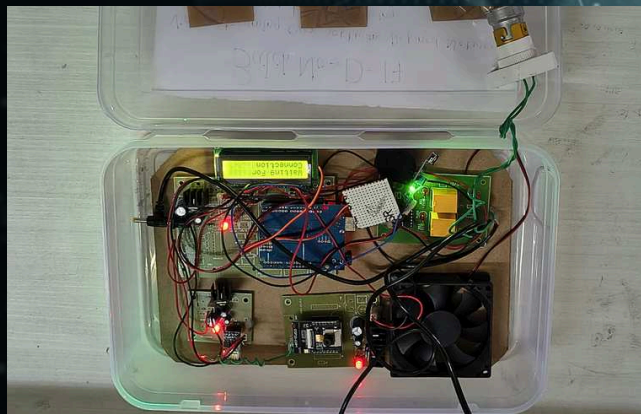


STUDENTS INNOVATIONS



TITLE: Gesture Controlled Wireless Agricultural Weeding Robot

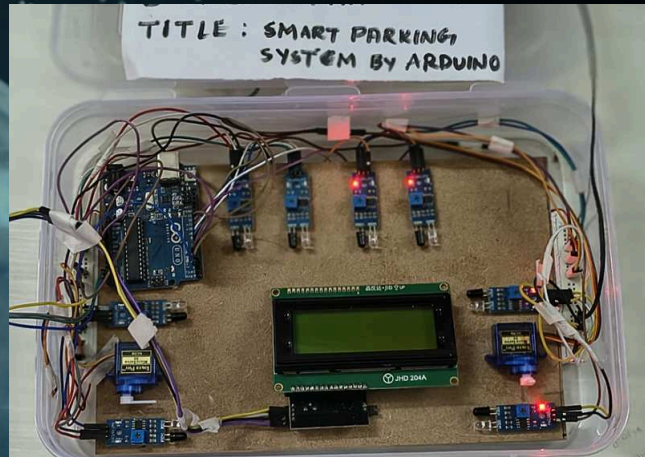
The Gesture Controlled Wireless Agricultural Weeding Robot is designed to help farmers remove weeds efficiently using hand gestures for control. It operates wirelessly, reducing the need for manual labor in the field. This innovation enhances precision and ease in modern farming practices.



TITLE: IOT based Indoor Smart Farming System for Efficient Good Growth

The IoT-Based Indoor Smart Farming System enables real-time monitoring and control of environmental factors like light, humidity, and temperature. It ensures optimal conditions for plant growth, leading to higher efficiency and better yield. This system promotes sustainable and technology-driven indoor agriculture.

STUDENTS INNOVATIONS



TITLE: Smart Parking System by Arduino

The Smart Parking System using Arduino helps detect and display available parking spaces using sensors. It automates space monitoring, reducing human effort and saving time for drivers. This system promotes efficient parking management in urban areas.



TITLE: Implementation of Child Rescue System from Borewell using Zigbee

The Child Rescue System from Borewell using Zigbee is designed to safely rescue children trapped in borewells using a robot controlled via Zigbee communication. It provides live monitoring and precise control to lower a rescue arm. This system enhances response speed and safety in critical rescue operations.

STUDENTS IN IEEE SREYAS

S.No	Roll.No	Name of the Member	Membership ID
1	22VE1A0493	Mandhanapu Narean Chowdary	99340633
2	22VE1A04A6	Palakurla Akhil	99353053
3	21VE1A04C4	T Susan Smitha	99431943
4	21VE1A0404	Alasakani Lehya	99431944
5	22VE1A0460	T L V Vaishnav	99523889
6	21VE1A04A0	Ram Mohan Charry Anupam	99542128
7	21VE1A04B8	Rayasam Vishwanath Rahul	99542165
8	21VE1A0463	Yelagapuri Geethika	99807897
9	22VE1A0457	BISWAS SUMAN	99869003
10	23VE1A04C6	Thalloju Sravya	100120705
11	23VE1A04A5	Joseph Meghana	100127102
12	21VE1A0446	Nadikudi Ramya	100130246
13	21VE1A0428	Godha Nikhitha	100141750

S.No	Roll.No	Name of the Member	Membership ID
14	23VE1A04A8	Thottempudi Hemanth	100181078
15	22VE1A04C3	Tamiri Sree Harsha	100352072
16	22VE1A0488	Kondapally Shyam	100352247
17	22VE1A04A3	Nimmala Udaykiran	100352342
18	22VE1A0485	DIKSHITA KALIMERA	100385152
19	22VE1A0466	Achanta Vaishnavi	100403232
20	22VE1A04A7	Pallakonda Vineeth	100414054
21	22VE1A0402	Amireddy Haarika	100431843
22	23VE1A0442	Shirini Reddy	100615243
23	23VE1A0426	Konde Manoj	100983242
24	23VE1A0424	Kasarla Ananya Reddy	100992026
25	23VE1A0418	Inavolu Sahithi	101065500
26	23VE1A0417	Guntapalli Kavya	101065624
27	24VE5A0406	Miryala Varshitha	101065980
28	23VE1A0494	Kashetty Deekshitha	101069858
29	23VE1A0489	Gunda Vyshnavi	101073604
30	23VE1A0443	Palnati Nikhitha	101091576

IEEE STUDENT EVENTS

SBC 2023



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.





A photograph of four men standing in a row. From left to right: a man in a white shirt and dark trousers holds a trophy; a man in a light-colored shirt and dark trousers holds a certificate; a man in a dark suit jacket and light shirt stands next to him; and a man in a blue suit jacket and light shirt stands on the far right. They are all smiling and appear to be at an awards ceremony.

సాంకేతిక పరిజ్ఞానాన్ని సద్వినియోగం చేసుకొని విద్యార్థులు తమ స్కిల్ డెవలప్మెంట్ ప్రతిభను మరింత మెరుగుపరుచుకునే అవకాశం ఉంటుందని పలువురు

సాంకేతిక నిపుణులు అభిప్రాయం వ్యక్తం చేశారు. పెద్ద అంబర్ పేట మున్సిపాలిటీ తల్లిఅన్నారంలోని శ్రీయాస్ ఇంజనీరింగ్ కళాశాలలో నాలుగు రోజుల పాటు జరిగే హాండ్స్ ఆన్ వర్క్ షాప్ డెవలప్మెంట్ డీన్ డాక్టర్. మధు నకిరేకంటి ఆధ్వర్యంలో మిషన్ లెర్నింగ్ మీద అవగాహనా సదస్సును శుక్రవారం నిర్వహించారు. ఈ సెమినార్లో ఉస్మా నియా యూనివర్సిటీ, నిజాం కళాశాల, గూగుల్ ఇండియా మొదలగు సంస్థల నిపుణులు పాల్గొని మిషన్ లెర్నింగ్ ద్వారా నూతన ఆవిష్కరణలు ఎలా చేయగలరు అనే అంశాలపై సంక్షిప్తంగా యువతకు వివరించారు. ఈ కార్యక్రమంలో కళాశాల వైస్ చైర్మన్ ఆనంతుల హృదయ్ రెడ్డి, మున్సిపల్ డాక్టర్. సాగర్, ఫ్యాకల్టీ, ఏవో. రాజు, విద్యార్థులు తదితరులు పాల్గొన్నారు.



INDUSTRIAL VISIT NRSC

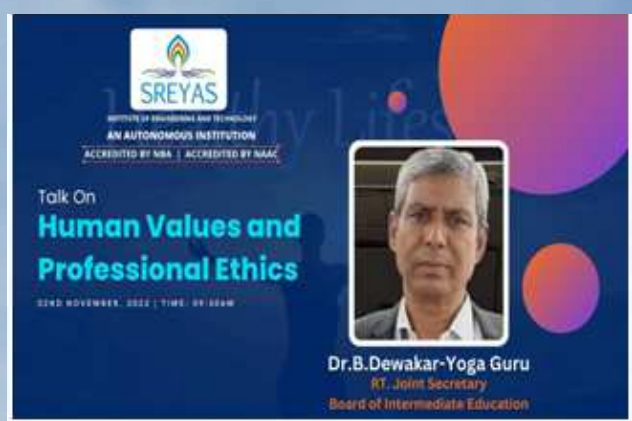


COLLEGE EVENTS

Freshers



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.

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.



CULTURAL DAY



SRIYAM 2K-24



NSS EVENTS



**SWACHH BHARAT, CLAY GANESH &
FAMER EMPOWERMENT**

Signature Day





GRADUATION DAY



MOUs

S.no	Name of the MOU
1	JTP Co Ltd
2	IEEE Hyderabad section
3	ACIC-KL STARTUPS FOUNDATION
4	Lions Club Of Hyderabad City circle(NSS)
5	Data Security council of India
6	ExcelREdtechPvt Ltd
7	Dha3R(NSS)
8	Student Tribe
9	CSC Academy
10	Founders Lab Pvt Ltd
11	Supraja Technologies
12	Brainovision Solutions India Pvt Ltd
13	Start up creation and incubation services

PLACEMENT DATA



The ECE department achieved a strong placement record, successfully placing 58 students. This reflects the department's commitment to career readiness and industry connections.

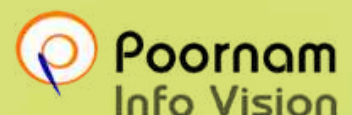
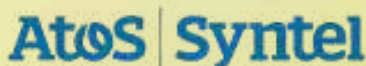
S.No	Company Name	No. of Students Placed	Packages(Lakhs)
1	ACADEMOR	9	400000
2	CORIZO EDUTECH	1	650000
3	EXCELR	1	400000
4	ITC INFOTECH	2	425000
5	MPHASIS	1	400000
6	QSPIDERS	13	420000
7	RISPOSTA SOFTWARE INDIA PRIVATE LIMITED	2	320000
8	TALENT SERVE CREATIVE WRITING	3	320000
9	TALENT SERVE GRAPHIC DESIGN	1	550000
10	TCS	2	700000
11	TECHNOOK	15	400000
12	YASH GROUP	8	240000

Placement of outgoing students during the Academic year 2023- 2024

S. No	Roll No	Name of student	Name of the Company	CTC per annum
1	20VE1A0403	Amanchi Mani Mekhala	Teachnook	400000
2	20VE1A0404	Appidi.Yogeshwar Reddy	Yash Group	240000
3	20VE1A0405	B Sowmya	QSpiders	420000
4	20VE1A0406	Bhoomi Reddy Varun Reddy	Teachnook	400000
5	20VE1A0410	GUNTI NAGARAJU	Yash Group	240000
6	20VE1A0411	KOLANU VARUN RAJU	Teachnook	400000
7	20VE1A0413	Kondoju Vaishnavi	Teachnook	400000
8	20VE1A0416	Maragani Ganesh Maha Dev	TalentServe - creative writing	320000
9	20VE1A0417	Maragani Rukmini	Teachnook	400000
10	20VE1A0421	Priya Nalla	ITC Infotech	425000
11	20VE1A0425	vaishnavi padaraju	QSpiders	420000
12	20VE1A0427	Nandu Panakanti	QSpiders	420000
13	20VE1A0428	PARSHI SRAVYA	Risposta Software India Private Limited	350000
14	20VE1A0429	Sneha Sree Parvathaneni	QSpiders	420000
15	20VE1A0430	POKALA MANIK PRABHU	Academor	400000
16	20VE1A0431	Pokala Sai Gopal	Mphasis	400000
17	20VE1A0434	Gourinath Reddy	Yash Group	240000
18	20VE1A0435	PRADYUMNA KINHALKAR	TalentServe - creative writing	320000

19	20VE1A0436	Pulluri Mahalaxmi	Teachnook	400000
20	20VE1A0437	P BHANU PRASAD	Yash Group	240000
21	20VE1A0438	Rachakonda Hari varma	Yash Group	240000
22	20VE1A0441	RAMAVATH DHARMA TEJA	Academor	400000
23	20VE1A0443	SAMA VIGNESH REDDY	TCS	700000
24	20VE1A0444	SAMANURI SRIHARI VARMA	QSpiders	420000
25	20VE1A0445	SAMUDRAM HARSHITH TEJA	Academor	400000
26	20VE1A0446	SEELAM SAKET	Academor	400000
27	20VE1A0450	SUNKARA HARIKA	Risposta Software India Private Limited	350000
28	20VE1A0453	TANNERU HEMA LATHA	Academor	400000
29	20VE1A0455	THUDI MANASWI	Academor	400000
30	20VE1A0456	Thummalapalli Himabindhu	QSpiders	420000
31	20VE1A0461	Addala Vimala Kumari	Teachnook	400000
32	20VE1A0462	ADLA DEEPTHI	Academor	400000
33	20VE1A0463	Akarapu Yamini	Teachnook	400000
34	20VE1A0466	Avula Pallavi	TCS	700000
35	20VE1A0471	Boddupally Nandini	TalentServe - creative writing	320000
36	20VE1A0477	GATTU SHREYA REDDY	QSpiders	420000
37	20VE1A0478	gayani sathvika vempati	QSpiders	420000
38	20VE1A0484	Lodangi Rakesh	QSpiders	420000

39	20VE1A0489	Merugu Pavan	QSpiders	420000
40	20VE1A0492	Nellikondi Ajay Kumar Reddy	Teachnook	400000
41	20VE1A0495	Pendyala Mahanth	Teachnook	400000
42	20VE1A0497	p.swathantra rao	QSpiders	420000
43	20ve1a04a1	Seelam sunil	Yash Group	240000
44	20VE1A04A6	TADI NAGA BHAGYA SRI	QSpiders	420000
45	20VE1A04A7	Thorruru Sonypriya	Teachnook	400000
46	20VE1A04A9	Vanja Lahari Reddy	Teachnook	400000
47	20VE1A04B0	Vigrahala Venkata Dhriti	Teachnook	400000
48	20VE1A04B1	VISLAVATH MACHENDER	QSpiders	420000
49	20VE1A04B2	Vydyula Rishitha	ExcelR	400000
50	21ve5a0403	Boodida kireeti goud	Yash Group	240000
51	21VE5A0404	BUNREDDY VISHNU VARDHAN REDDY	Corizo Edutech,	650000
52	21VE5A0406	Shalem Kodali	ITC Infotech	425000
53	21VE5A0407	Vallala Mohith	Teachnook	400000
54	21VE5A0408	BAGANI SHAIK ALTHAF BASHA	Academor	400000
55	21VE5A0409	CHAMBETI VENKATA SAI SHARANYA	Academor	400000
56	21VE5A0410	Gavvala Sai Teja	Teachnook	400000
57	21VE5A0412	JINKALA KARTHIK	TalentServe - Graphic Design	550000
58	21VE5A0413	Matam Sai nithin	Yash Group	240000



Best Outgoing Students



VYDYULA RISHITHA

CGPA- 8.22

20VE1A04B2



AVULA PALLAVI

CGPA- 8.1

20VE1A0466



SAI GOPAL

CGPA- 8.05

20VE1A0431



WORLD CLASS TECHNICAL CAMPUS

-WITHIN THE CITY



Editorial Board

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Faculty Coordinator :	Mr .G. Vijay Goud , M Tech - ACS , Associate Professor Ph: 9652083332, E-mail: vijay.g@sreyas.ac.in
Student Coordinator :	R. Dharma Teja, 20VE1A0440 G. Dilip Reddy, 21VE1A0486 K. Anupam Mohan, 21VE1A04A0 K. SHYAM, 22VE1A0488 T. SREE HARSHA, 22VE1A04C3 M. NAREAN, 22VE1A0493
