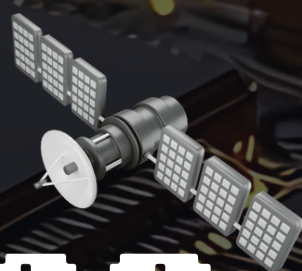




**SREYAS**  
INSTITUTE OF ENGINEERING AND TECHNOLOGY  
**AUTONOMOUS**

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



# ELECTROMAG

## 2022-2023

**PUBLISHED BY**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

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## ABOUT 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.

## CHAIRMAN MESSAGE



**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 infrastructure. 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.

## SECRETARY MESSAGE

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.



**Chintala Ravindranath Yadav**

## TREASURER MESSAGE



**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.

## VICE CHAIRMAN MESSAGE

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.



**Sri Anantula Hriday Reddy**



## PRINCIPAL MESSAGE



**Dr.S.Sai Sathyanarayana Reddy**

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.

## DEAN-ACADEMICS MESSAGE

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.



**Prof. B. Sreenivasu**

## DEAN-IQAC MESSAGE

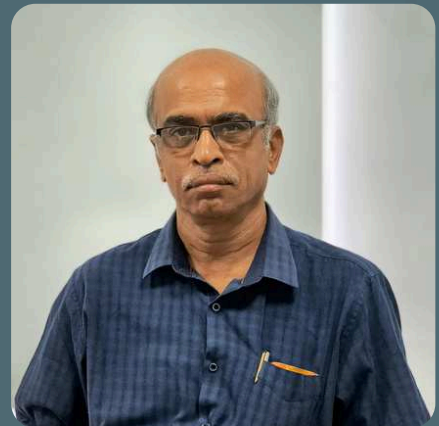


**Dr. J. Pandu Ranga Rao**

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.

We, the HODs of ECE, 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.

## HODS MESSAGE



**Dr. N. Murali Krishna**  
HOD



**Mr. Chinnam S V Maruthi Rao**  
Incharge HOD

# 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 )

5

### PSO 1

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

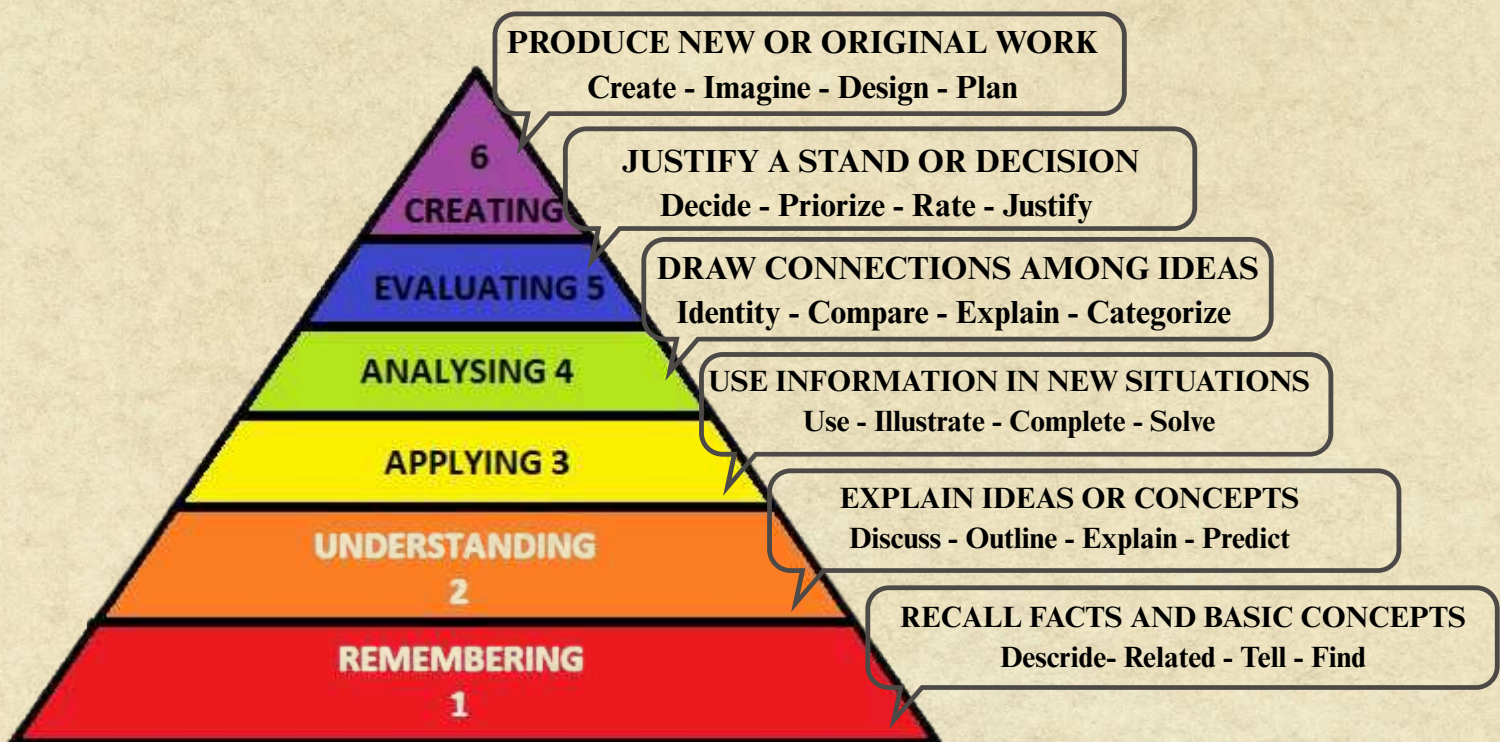
### PSO 2

**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.
- **LINEAR AND DIGITAL APPLICATION LAB :** PRACTICAL IMPLEMENTATION OF LINEAR AND DIGITAL ELECTRONICS CIRCUITS
- **PRINCIPLES OF COMMUNICATION LAB:** EXPERIMENTAL ANALYSIS OF FUNDAMENTAL COMMUNICATION PRINCIPLES AND TECHNIQUES.
- **ELECTRONIC CIRCUIT ANALYSIS (SOFTWARE) / PRINCIPLE OF COMMUNICATION (SOFTWARE) / DATA COMMUNICATION AND 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.



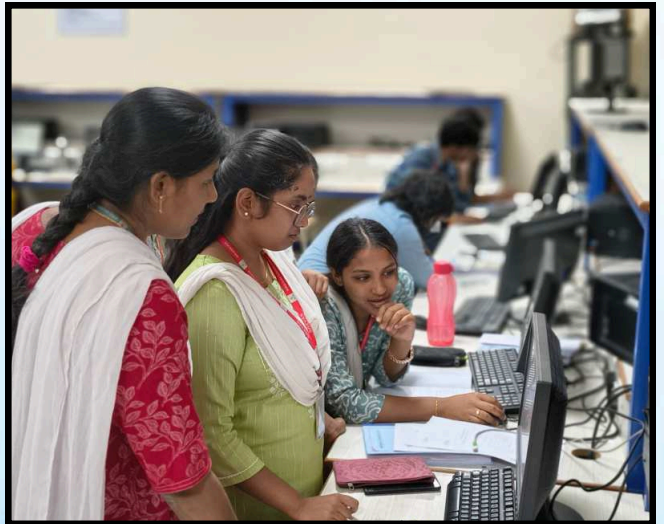
ANALOG ELECTRONICS LAB



ELECTRONIC DEVICES AND CIRCUITS LAB



PRINCIPLES OF COMMUNICATION LAB



DIGITAL SIGNAL PROCESSING LAB



ELECTRONIC CIRCUIT ANALYSIS LAB



DIGITAL SYSTEM DESIGN LAB



1. Poluboyina, Lavanya, and S. V. Maruthi Rao. "Multimedia Traffic Transmission using MAODV and M-MAODV Routing Protocols over Mobile Ad-hoc Networks." *International Journal of Computer Network & Information Security* 14, no. 3 (2022)
2. Maruthi Rao, Chinnam SV, and Ramakrishna Akella. "Physical Layer Security Aspects of D2D Communications in Future Networks." In *Communication and Intelligent Systems: Proceedings of ICCIS 2021*, pp. 853-861. Singapore: Springer Nature Singapore, 2022.
3. Lavanya, P., and SV Maruthi Rao Ch. "Routing in Mobile Ad-hoc Networks-A Comprehensive Research." In *2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)*, pp. 1-8. IEEE, 2022.
4. Poluboyina, Lavanya, Ch SV Maruthi Rao, S. P. V. Subba Rao, and G. Prasad Acharya. "A Simulative Analysis of Prominent Unicast Routing Protocols over Multi-hop Wireless Mobile Ad-hoc Networks." In *Proceedings of International Conference on Data Science and Applications: ICDSA 2022, Volume 1*, pp. 671-696. Singapore: Springer Nature Singapore, 2023
5. Pandu, J., Umadevi Kudtala, and B. Prabhakar. "Skin Cancer Detection and Classification Using DWT-GLCM with Probabilistic Neural Networks." In *Biomedical Signal and Image Processing with Artificial Intelligence*, pp. 183-194. Cham: Springer International Publishing, 2023.
6. CH Neetha, MP Kantipudi-"Adaptive edge-based bilinear interpolation for smart healthcare", 6th Smart Cities Symposium (SCS 2022), 2022 p. 7 - 13
7. Neetha, C. H., MVV Prasad Kantipudi, and Priti Shahane. "A survey of image super-resolution algorithms based on convolutional neural networks for smart city health care applications." (2022): 101-106.



# 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

**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-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+ 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



# FACULTY ACHIEVEMENTS



Certificate No: ICT-10980/23

## National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF EDUCATION, GOVERNMENT OF INDIA

### Certificate

*This is to certify that*

**RAVALI MAROJU**



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

*Participated in the AICTE Recognized Faculty Development Programme  
on*

**AI/ML and Data Science for Industry 4.0 ( Basic Level)**

*Conducted by*

**Computer Science and Engineering Department**

*from*

**21/08/2023 to 25/08/2023 (One Week)**

*at*

**NITTTR, Chandigarh**



  
Coordinator

  
Director















**OS**

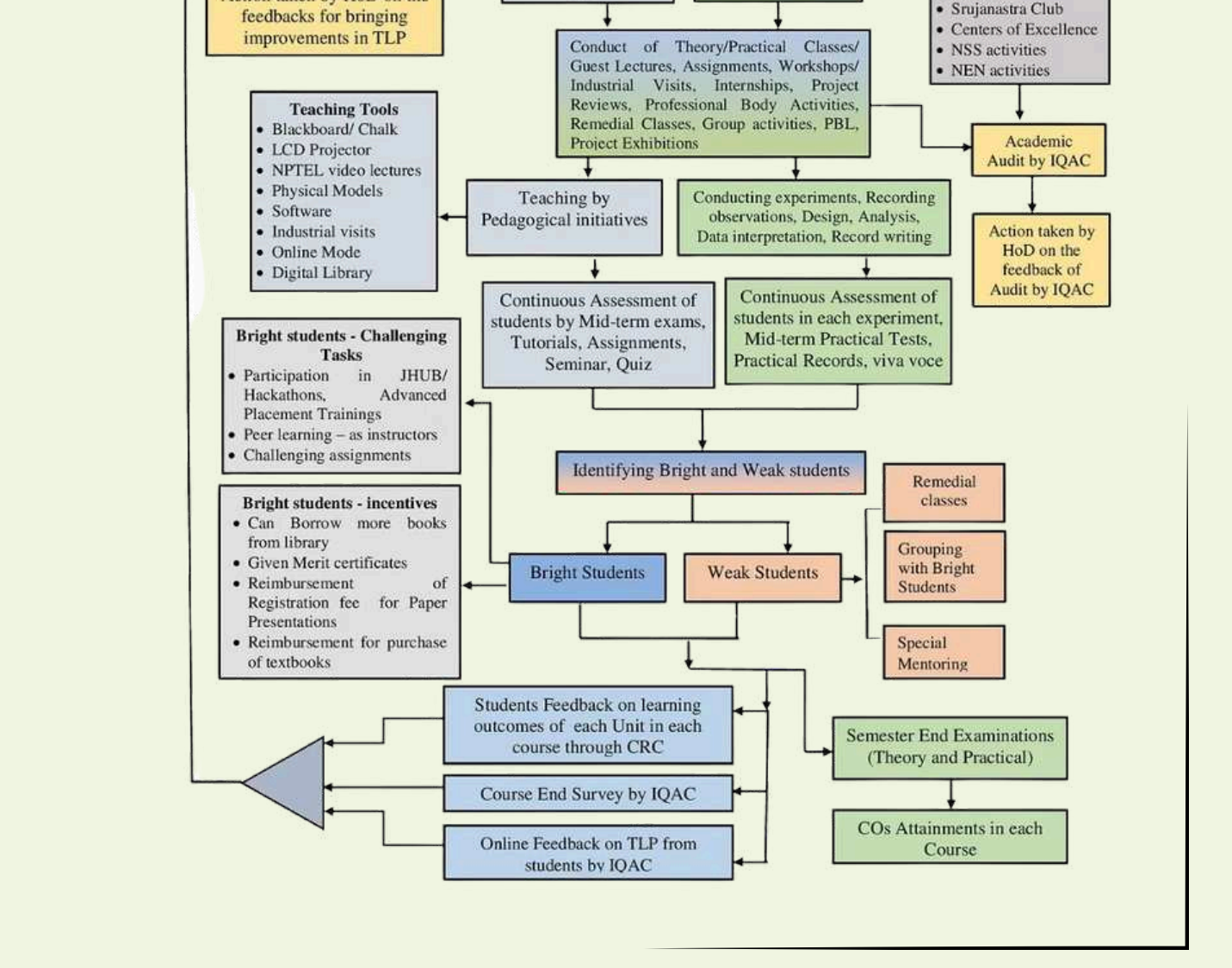
**-centric approaches that move learners through diverse strategies and technology integration. Their goal is to achieve a deeper understanding,**

```
graph TD; A[Co-curricular and Extra-curricular Activities to supplement Learning Outcomes] --> B[Placement Training - PES Group];
```

The diagram illustrates a process flow. A box labeled "Co-curricular and Extra-curricular Activities to supplement Learning Outcomes" has an arrow pointing down to a box labeled "Placement Training - PES Group".

and Extra-activities to Learning

Training





# SEMESTER WISE TOPPERS

## I YEAR I SEMESTER



**T. Shritha - 9.75**  
**22VE1A04C2**



**V. Rajasree - 9.75**  
**22VE1A04C9**



**Sammula Sri Ssanvi - 9.68**  
**22VE1A0451**

## I YEAR II SEMESTER



**Ssanvi - 9.75**  
**22VE1A0451**



**V. Rajasree - 9.75**  
**22VE1A04C9**



**B. Deepthi - 9.60**  
**22VE1A0474**



**Vaishnavi Shetty - 9.60**  
**22VE1A0489**



# SEMESTER WISE TOPPERS

## II YEAR I SEMESTER



**Seetha Yamuna Yadav - 8.10**  
**22VE5A0413**



**Pillana Grovila Pujitha - 7.76**  
**22VE5A0407**



**Narmeta Abhinay - 7.48**  
**21VE1A0448**

## II YEAR II SEMESTER



**Adudumili Srilekha - 8.00**  
**21VE1A0464**



**Narmeta Abhinay - 7.86**  
**21VE1A0448**



**A.Sandhya - 7.86**  
**21VE1A0401**



# SEMESTER WISE TOPPERS

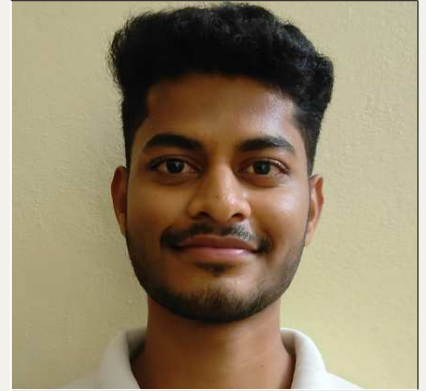
## III YEAR I SEMESTER



**Vydyula Rishitha - 7.89**  
**20VE1A04B2**



**Pokala Saigopal - 7.68**  
**20VE1A0431**



**Koripelly Shivnandh - 7.68**  
**20VE1A0414**

## III YEAR II SEMESTER



**Vydyula Rishitha - 8.00**  
**20VE1A04B2**



**R. Dharma Teja - 8.00**  
**20VE1A0441**



**Sampuri Bindhu Sri - 7.91**  
**20VE1A04A3**



# SEMESTER WISE TOPPERS

## IV YEAR I SEMESTER



**BKVRL Keerthana - 8.39**  
**19VE1A04C6**



**Kancharla Nikitha - 8.29**  
**19VE1A04E7**



**Bollepalli Akhila - 8.22**  
**19VE1A04C9**

## IV YEAR II SEMESTER



**Chintakindi Shiva - 9.06**  
**19VE1A04J8**



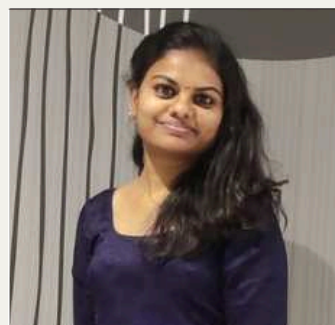
**B. Sai Suma Chandana - 9.06**  
**19VE1A04J4**



**Madhiredy Rishika - 8.88**  
**19VE1A04F3**



**Soumya - 8.88**  
**19VE1A04K2**



**Mounika - 8.88**  
**19VE1A04K0**



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.

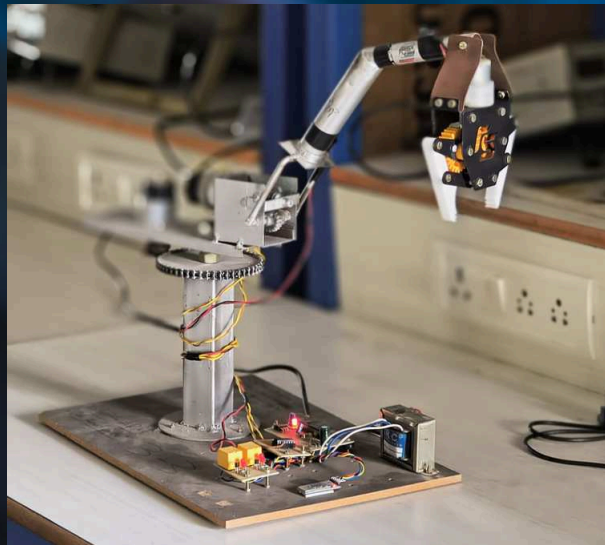
**EVEN SEMESTER**

Category	Count
Total Certifications	184
 Gold	-
 Silver	20
Elite	92
Passing	72
Topper	2

**ODD SEMESTER**

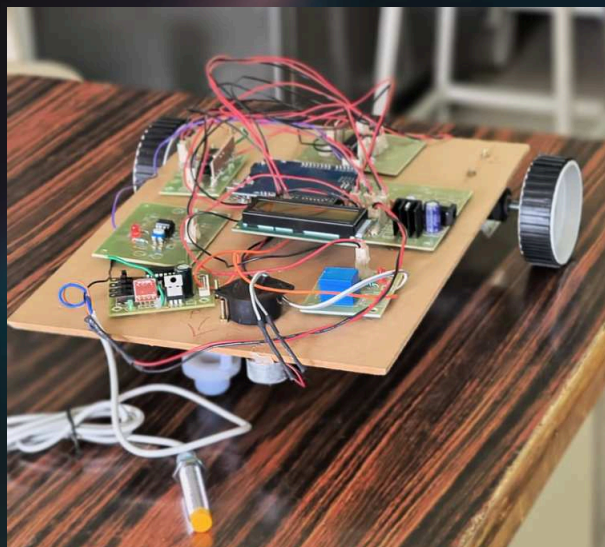
Category	Count
Total Certifications	373
 Gold	-
 Silver	18
Elite	172
Passing	183
Topper	-

# STUDENTS INNOVATIONS



## **Title: Automated Robotic Crane for Object Manipulation**

This project presents a microcontroller-controlled robotic arm developed for precise object manipulation. It employs a custom gripper to perform automated pick-and-place tasks.

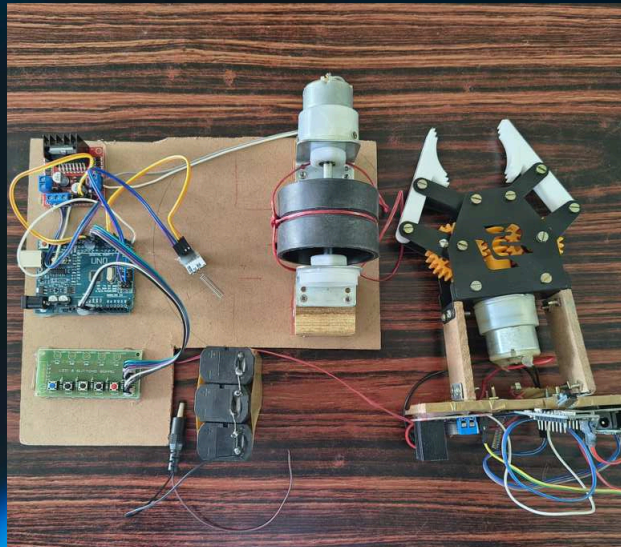


## **Title: Microcontroller-Based Automated Handling Robot**

The Microcontroller-Based Automated Handling Robot is designed to perform pick-and-place tasks with precision using a custom-built robotic arm. It is powered by a microcontroller that controls the movement and coordination of motors and sensors.

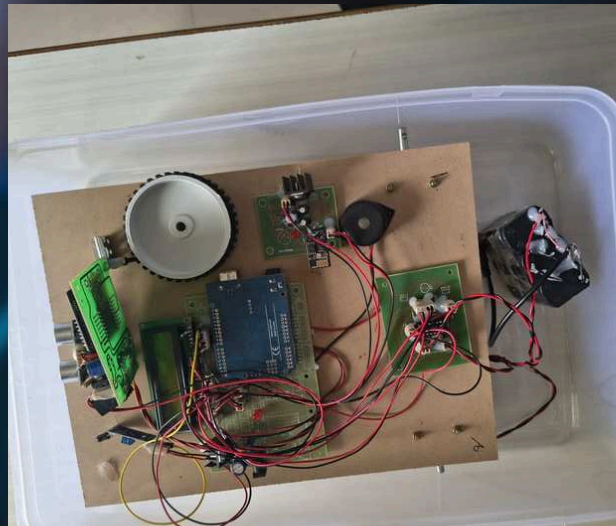


# STUDENTS INNOVATIONS



## **Title: Arduino-Based Robotic Gripper system**

The Arduino-Based Robotic Gripper System is designed to automate object gripping and placement tasks. It uses an Arduino to control motors and a mechanical gripper. This system is ideal for learning, prototyping, and simple automation projects.



## **Title: IoT Based Fly Defect Detection in Railway Tracks**

IoT-Based On-the-Fly Visual Defect Detection in Railway Tracks is a smart system designed to monitor railway tracks in real-time using cameras and IoT sensors. It captures and analyzes visual data to detect cracks, misalignments, or other defects.

# IEEE STUDENT

The Institute of Electrical and Electronics Engineers (IEEE) is a global beacon of technological innovation, empowering professionals and students alike. For engineers within the ECE department, IEEE serves as a gateway to cutting-edge knowledge and a vibrant community of experts. By fostering continuous professional development, IEEE equips members with the connections necessary to excel in their field. This engagement not only enhances technical experience but also paves the way for innovation and leadership in the field.





# EVENTS

Electronics Engineers (IEEE) serves as a platform for innovation and collaboration, benefiting students alike. For the 105 aspiring engineers, IEEE provides an invaluable resource, offering industry standards, and a vibrant culture of continuous learning and growth. It equips these students with the tools and knowledge needed to thrive in the ever-evolving landscape of technology, not only enriching their academic journey but also preparing them to become future leaders in the field.



# THE COLLECTOR

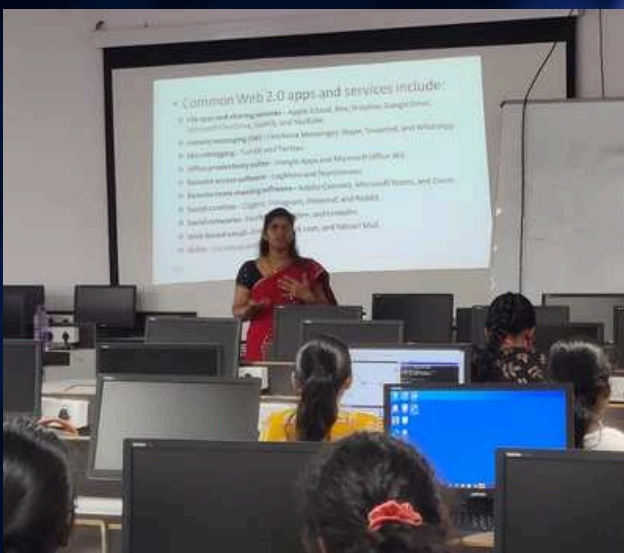




# CISCO PACKET TRACER

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 yearsof 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.





# ROBO MANIA

**Robomania is an engaging event focused on the exciting field of robotics. Participants often design, build, and program robots to compete in various challenges. These challenges can range from autonomous navigation and obstacle courses to robotic combat and innovative problem-solving tasks. Robomania fosters creativity, technical skills, and teamwork among students and enthusiasts. It's a platform to showcase robotic ingenuity and learn about the latest advancements in the field.**





# WINTER SCHOOL

The objective of Industry 4.0 is to increase efficiency through automation. Sensors play a vital role in Industry 4.0, allowing several transitions such as changes in positions, length, height, external and dislocations in industrial production facilities to be detected, measured, analyzed, and processed. Smart factories will also enhance sustainability by tracking real-time output, and automated control systems will minimize potential factory maintenance costs. It can also be seen that digitalization can improve production mobility, which gives advanced manufacturing firms a competitive advantage.



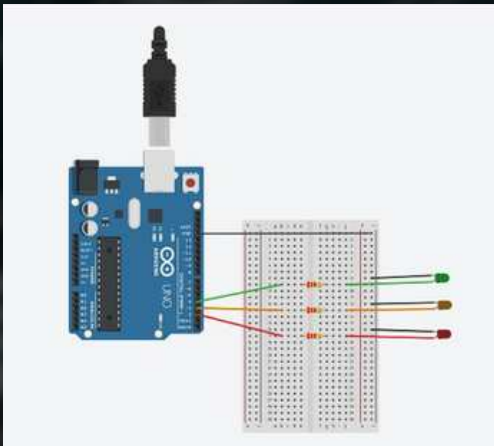


# EMERGE 1.0



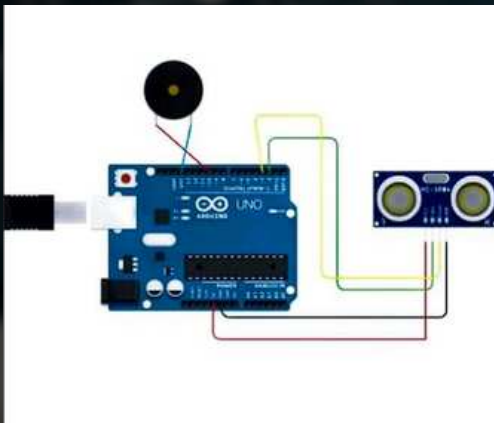
# TINKER CAD

Tinker Cad is a platform that provides a user-friendly interface with options such as 3D design, circuits, and code blocks. Tinker CAD also allows for a 2D and 3D input, which permits you to integrate other models into your new plans. With Tinker CAD, you can view the design of your prototype from almost any angle.



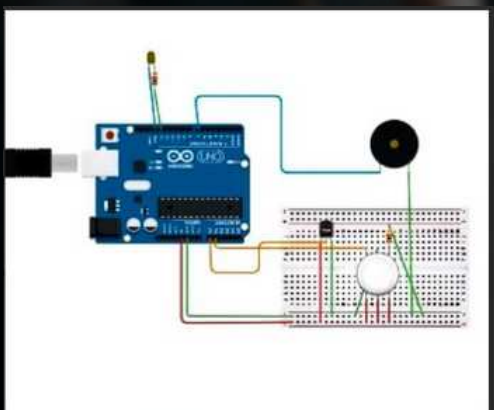
## **Title: LED colour controller**

This image depicts an Arduino Uno board connected to a breadboard. Colored wires link the Arduino's digital pins to resistors on the breadboard, likely part of a circuit setup. The visual suggests a basic electronics project or tutorial, focusing on wiring and connecting components.



## **Title: Door buzzer**

These images depict Arduino Uno boards used for basic electronic projects, showcasing both a simple LED circuit and a more interactive setup with a buzzer and sensor. They exemplify fundamental microcontroller experimentation and prototyping.



## **Title: Fire alarm system**

These images illustrate Arduino-based projects: a simple LED circuit, an interactive sensor-driven setup, and a proximity-alerting door buzzer.



# WOMENS DAY



International Women's Day is a global day celebrating the social, economic, cultural, and political achievements of women. Sreyas Institute of Engineering and Technology organized International Women's Day on 8th March 2022. Faculty working in the college since its inception were felicitated by Principal Dr. Sai Satayanarayana Reddy and Vice Chairman Sri Anantula Hriday Reddy.



# BATUKAMMA@SREYAS



**The unique festival of flowers in Telangana, Bathukamma is a colorful and vibrant festival celebrated by women, with flowers that grow exclusively in that region. This festival is a symbol of Telangana's cultural identity. Students and Faculty of Sreyas Engineering College celebrated Bathukamma festival with great joy by all women getting together, singing songs, and dancing around these wonderful and beautiful flower stack, arranged with different unique seasonal flowers .**



# Freshers





# Cultural Day 2022-23





# ANNUAL DAY

## 2K22-23





# Signature Day





# GRADUATION

## 2017









# MOUs

S.no	Name of the MOU	Date of signed
1	PupilFirst Pvt Ltd	3/8/2021, 9/10/2023
2	SattvaQ IT Solutions Pvt Ltd	26/10/2022
3	EduSkills Foundation	May 11, 2022
4	Global Navigators Overseas Education Consultants	16/11/2022
5	JTP Co Ltd	Mar 2, 2023
6	IEEE Hyderabad section	25/9/2021
7	ACIC-KL STARTUPS FOUNDATION	May 8, 2023
8	Lions Club Of Hyderabad City circle(NSS)	15/9/2023



# PLACEMENTS DATA

The ECE department achieved a strong placement record, successfully placing 137 students. This reflects the department's commitment to career readiness and industry connections.

S.No	Company Name	Students Placed	Packages(Lakhs)
1	ACMEGRADE	6	600000
2	EXCELR SOLUTIONS	1	600000
3	FACE PREP	3	306000
4	HEXAWARE	3	306000
5	INFINITY	22	240000
6	INTELLIPAAT	3	725000
7	KEKA HR PAYROLL SOFTWARE	2	440000
8	LOGIK WORKS	4	400000
9	MIND PRAC	5	300000
10	MPHASIS	10	400000
11	NNIIT	26	500000
12	NTT DATA	1	300000



13	PALLE TECHNOLOGIES	8	400000
14	PIE INFOCOMM PVT. LTD	3	450000
15	POORNAM INFO VISION PVT. LTD	1	373000
16	QSPIDERS	1	480000
17	RINEX TECHNOLOGIES	8	400000
18	SAVANTIS SOLUTION LLC HCL	10	350000
19	SUTHER LAND	5	300000
20	TECH MAHINDRA	1	325000
21	UNISTRING TECH SOLUTIONS PVT. LTD	3	216000
22	UNSCHOOL	10	650000
23	VIRTUSA	1	211473

## Placement of outgoing students during the Academic year 2022- 2023

S.No	Roll NO	Name	Company Name	CTC per annum
1	19VE1A0402	AKSHITHA VEERANKI	Unschool	650000
2	19VE1A0403	ALIGOLU MANASA	SAVANTIS SOLUTIONS LLC HCL	350000
3	19VE1A0407	C SATYA SAI SIDDARTHA	SAVANTIS SOLUTIONS LLC HCL	350000
4	19VE1A0412	EGA SATHWIK	Rinex Technologies	400000
5	19VE1A0413	ENUGU KRUTI	QSpiders	480000
6	19VE1A0414	ERUPAKA AKHILA	SAVANTIS SOLUTIONS LLC HCL	350000
7	19VE1A0415	GADIPARTHI NITESH CHOWDARY	Palle Technologies	400000
8	19VE1A0416	GANDHAM UDAY KUMAR	Palle Technologies	400000
9	19VE1A0417	Gangapuram Vishal	Hexaware	400000
10	19VE1A0420	GARUGU SRIKAR	Rinex Technologies	400000
11	19VE1A0422	Gopathi Sree Shaktheeswari	MPHASIS	400000
12	19VE1A0425	K.Shivani	NNIT	500000
13	19VE1A0426	Keerthi sharma	NNIT	500000
14	19VE1A0428	lagudu shruthi	NNIT	500000
15	19VE1A0431	MANDA AKASH REDDY	NNIT	500000
16	19VE1A0434	MIDIDODDA NAVYA SAI VINEETH	NNIT	500000
17	19VE1A0436	Nampalli Rithika	Intellipaat	725000
18	19VE1A0437	NARAYANA NIKHITHA REDDY	Sutherland	300000
19	19VE1A0438	NISHITHA CHITTANURI	Palle Technologies	400000
20	19VE1A0439	P KAVYA REDDY	Infinity Learn	240000
21	19VE1A0440	Palnati Akanksha	NNIT	500000



22	19VE1A0441	Pervala Snigdha	MPHASIS	400000
23	19VE1A0445	Ramoju Shilpa	NNIIT	500000
24	19VE1A0447	RUDRARAJU VARSHA	Infinity Learn	240000
25	19VE1A0448	S RUCHITHA	Mindsprac	300000
26	19VE1A0449	SAIELLA SAILEELA	Infinity Learn	240000
27	19VE1A0450	SALVERU AKHILA	Infinity Learn	240000
28	19VE1A0452	SINGARAM MANIK REDDY	Infinity Learn	240000
29	19VE1A0453	SPANDANA PAM	Palle Technologies	400000
30	19VE1A0454	SUMANTH VADLA	Hexaware	400000
31	19VE1A0455	Surakanti Malavika	NNIIT	500000
32	19VE1A0456	T Godha sree	NNIIT	500000
33	19VE1A0457	Vutukuri Bhuvan Chandra	MPHASIS	400000
34	19VE1A0459	Vuddawar Hrishikesh Joshi	NNIIT	500000
35	19VE1A0460	Yedulla preethi	NNIIT	500000
36	19VE1A0463	ANAGANDLA MOUNIKA	Palle Technologies	400000
37	19VE1A0464	Anthati Venkat Charan Tej	ACMEGRADE	600000
38	19VE1A0466	BATCHU AMBIKA SAHITYA	Unschool	650000
39	19VE1A0467	Sai Sujith	NNIIT	500000
40	19VE1A0468	C Manisha Rani	ntt data	300000
41	19VE1A0469	Chittars Surendra Mahitha	ExcelR Solutions	600000
42	19VE1A0470	DESU GEETHA SAI LAKSHMI	ACMEGRADE	600000
43	19VE1A0471	THANUSRI GANDHAM	FACEPREP	306000
44	19VE1A0473	GANIYA SATHVIKA	Mindsprac	300000

45	19VE1AO474	Ghattamaneni Yashwani priya	Infinity Learn	240000
46	19VE1AO475	GREESHMA MUNAGA	Infinity Learn	240000
47	19VE1AO480	K Sai Shriya	MPHASIS	400000
48	19VE1AO481	KADTHALA UDAYASRI	Palle Technologies	400000
49	19VE1AO483	KATAKAM AKSHAY KUMAR REDDY	NNIIT	500000
50	19ve1a0485	Kowshik Thadakamalla	NNIIT	500000
51	19VE1AO487	L SHRAVYA	Rinex Technologies	400000
52	19VE1AO488	LENKALA MANJARIKA	Infinity Learn	240000
53	19VE1AO491	medam akhil	NNIIT	500000
54	19VE1AO492	Miryala Nikhila	ACMEGRADE	600000
55	19VE1AO493	MULAGIRI BHUVANDHAVEE	Infinity Learn	240000
56	19VE1AO495	NAMA SHARESHTA	SAVANTIS SOLUTIONS LLC HCL	350000
57	19VE1AO497	NARRA PAVANI	SAVANTIS SOLUTIONS LLC HCL	350000
58	19VE1AO498	S.Nishanth Reddy	NNIIT	500000
59	19VE1AO499	NITIN THOTA	PIE INFOCOMM PVT. LTD.	450000
60	19VE1AO4A1	PALLI VENKATA SHRI SAHITYA	Unistring Tech Solutions Pvt. Ltd	216000
61	19VE1AO4A4	PATNAM MADHUVANI	Poornam Info Vision Private Limited	373000
62	19VE1AO4A5	PIPPALAPALLI INDRIMA	Sutherland	300000
63	19VE1AO4A8	RAVULA ARTHI	Unschool	650000
64	19VE1AO4A9	Samudrala Dattu	MPHASIS	400000
65	19VE1AO4B2	SRI ABHINAY PADALA	Unschool	650000
66	19VE1AO4B3	Sudireddy Akhila	ACMEGRADE	600000
67	19VE1AO4B4	THUPPARI VIDYA	Rinex Technologies	400000



68	19VE1A04B5	TURUPU SHIVA PRASAD REDDY	Virtusa	211473
69	19VE1A04B6	Valakonda Deepthi	MPHASIS	400000
70	19VE1A04B8	VUNDHYALA VENNELA	Infinity Learn	240000
71	19VE1A04C0	Sathwika Reddy Yasa	NNIIT	500000
72	19VE1A04C2	Avancha Sai Srilaya	Intellipaat	725000
73	19VE1A04C4	Hyndavi Addula	MPHASIS	400000
74	19VE1A04C6	B K V R L KEERTHANA	Hexaware	400000
75	19VE1A04C8	Bejjanki Sarayu	MPHASIS	400000
76	19VE1A04C9	BOLLEPALLI AKHILA	PIE INFOCOMM PVT. LTD.	450000
77	19VE1A04D6	D yogeswaradatta	NNIIT	500000
78	19VE1A04D7	DONGAPURE SHRUTHI	Infinity Learn	240000
79	19VE1A04E0	GIRAMONI RAMYA	Mindsprac	300000
80	19VE1A04E1	JAMPALA PADMAVATHI	Sutherland	300000
81	19VE1A04E4	K PREETHI	Mindsprac	300000
82	19VE1A04E7	KANCHARLA NIKHITHA	Infinity Learn	240000
83	19VE1A04E8	KANDANURU SRIVATSA	Unschool	650000
84	19VE1A04F0	KONDAPARTHI SREEJA	Sutherland	300000
85	19VE1A04F3	MADIREDDY RISHIKA	Infinity Learn	240000
86	19VE1A04F4	Marupaka Krishna Phanindra	Logik Works	400000
87	19VE1A04F8	P SAI PRANITH	NNIIT	500000
88	19VE1A04G2	POLA NANDHINI	Infinity Learn	240000
89	19VE1A04G4	Puligilla Teja Ranganath	MPHASIS	400000
90	19VE1A04G5	RACHAMALLA CHAITRA	Unschool	650000

91	19VE1A04G8	SANEM NIKSHITHA	NNIIT	500000
92	19VE1A04H1	SHUBHANGI GAUR	Infinity Learn	240000
93	19VE1A04H4	TALARI JYOTHI	Infinity Learn	240000
94	19VE1A04H8	VARSHA RAVULAKOLE	Infinity Learn	240000
95	19VE1A04J0	YELLANI KARTHIK	Unistring Tech Solutions Pvt. Ltd	216000
96	19VE1A04J2	BELIDE SHREYA	Palle Technologies	400000
97	19VE1A04J4	SAI SUMA CHANDANA BOLLA	SAVANTIS SOLUTIONS LLC HCL	350000
98	19VE1A04J5	BOMMIREDDY SAI KUMARI	Palle Technologies	400000
99	19VE1A04J6	BUJAGOUNI INDIRA PRIYADARSHINI	NNIIT	500000
100	19VE1A04J8	CHINTHAKINDI SHIVATEJA	Mindsprac	300000
101	19VE1A04K0	DEVIREDDY MOUNIKA	PIE INFOCOMM PVT. LTD.	450000
102	19VE1A04K1	Edelly Divya	Logik Works	400000
103	19VE1A04K2	GALANKI SOWMYA	Unschool	650000
104	19VE1A04K5	Gottimukkula Sai Sheshank	Keka HR Payroll Software	440000
105	19VE1A04K9	KAKIREDDY SRAVANKUMARREDDY	Infinity Learn	240000
106	19VE1A04L0	KALLU MANVITHA	Unschool	650000
107	19VE1A04L3	KARANAM SREEJA	SAVANTIS SOLUTIONS LLC HCL	350000
108	19VE1A04L4	KARUMURI HARSHINI	Unistring Tech Solutions Pvt. Ltd	216000
109	19VE1A04L5	KASARLA HARSHITH NIVAS REDDY	NNIIT	500000
110	19VE1A04L7	Akhil Reddy	Intellipaat	725000
111	19VE1A04M0	MALLAREDDY JAHNAVI	Unschool	650000
112	19VE1A04M2	trinath reddy	NNIIT	500000
113	19VE1A04M3	MIDIDODDI SAI TEJA	Rinex Technologies	400000
114	19VE1A04M7	SUPRITHA NALLAVOLU	FACEPREP	306000



115	19VE1A04M8	PABBOJI AARTHI	NNIIT	500000
116	19VE1A04M9	Pasham Sri Varsha	MPHASIS	400000
117	19VE1A04N1	PATHIREDDY SAI CHARAN REDDY	Tech Mahindra	325000
118	19VE1A04N2	P. Praharsha	ACMEGRADE	600000
119	19VE1A04N3	POLOJU GANESH	Infinity Learn	240000
120	19VE1A04N5	PREKSHA SARWADE	Unschool	650000
121	19VE1A04N6	Ananth R M	NNIIT	500000
122	19VE1A04N7	RACHA LIKHITHA	Rinex Technologies	400000
123	19VE1A04N8	Jeevitha Sama	Keka HR Payroll Software	440000
124	19VE1A04N9	SILVERU MEGHANA	SAVANTIS SOLUTIONS LLC HCL	350000
125	19VE1A04P1	VINAY KUMAR SRIRAMULA	SAVANTIS SOLUTIONS LLC HCL	350000
126	19VE1A04P2	SUBBA SRINIKETH	Infinity Learn	240000
127	19VE1A04P4	SWAMY SAI NISHANTH	SAVANTIS SOLUTIONS LLC HCL	350000
128	19VE1A04P7	VANGALA SHIVANI	Rinex Technologies	400000
129	19VE1A04Q0	A Aishwarya	Logik Works	400000
130	20VE5A0401	CH. SRI POOJITHA	NNIIT	500000
131	20VE5A0408	BHUKYA SHEKAR	Infinity Learn	240000
132	20VE5A0409	BOINPALLY DEEPIKA	Infinity Learn	240000
133	20VE5A0410	CHITTIMALLA SHREYA	Rinex Technologies	400000
134	20VE5A0411	DURGA GILLA	FACEPREP	306000
135	20VE5A0417	P RIKVITHA REDDY	Sutherland	300000
136	20VE5A0420	Chandana Gaddam	ACMEGRADE	600000
137	20VE5A0422	Kurra Revanth Goud	Logik Works	400000



Building a better working world





# Best Outgoing Students



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**19VE1A0469**



**PREKSHA SARWADE**

**CGPA- 8.26**

**19VE1A04N5**



**P. PRAHARSHA**

**CGPA- 8.05**

**19VE1A04N2**



# **WORLD CLASS TECHNICAL CAMPUS**

## **-WITHIN THE CITY**



### **Editorial Board**

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