



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















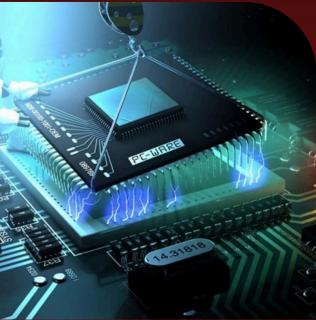




ELECTROMAG

2021-2022









PUBLISHED BY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Table of Contents



1	ABOUT THE COLLEGE				
2	FACULTY PUBLICATIONS				
3	INSTISTUTION'S VISION & MISSION				
4	MESSAGES				
5	ABOUT THE DEPARTMENT				
6	DEPARTMENT'S VISION & MISSION				
7	PEOs & POs				
8	PSOs				
9	FRAME WORK FOR IMPLEMENTARY OUTCOME-BASED EDUCATION				
10	LABORATORIES				
11	FACULTY PUBLICATIONS				

Table of Contents



12	FACULTY NPTEL CERTIFICATIONS				
13	FACULTY ACHIEVEMENTS				
14	INNOVATIVE TEACHING METHODS				
14	SEMESTER WISE TOPPERS				
15	STUDENTS' NPTEL CERTIFICATIONS				
16	STUDENTS' PUBLICATIONS				
17	STUDENTS' ACHIEVEMENTS				
18	STUDENTS' INNOVATIONS				
19	COLLEGE EVENTS				
20	IEEE STUDENT EVENTS				
21	MOUs				
22	PLACEMENT DATA				
23	BEST OUTGOING STUDENTS				

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-theart 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 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.



SECRETARY MESSAGE

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 cooperation, 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.



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

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 handson 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



PRINCIPAL MESSAGE



DR. S. SAI SATYANARAYA 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.

HODS MESSAGE

We, the HODs of ECE, foster innovation and academic excellence. We provide a strong ECE foundation with practical, real-world relevance. Students engage in research and hands-on cutting-edge 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 wellrounded engineers who are prepared to significant contributions to society.



DR. N. MURALI KRISHNA HOD



PROF. B. SRINIVASU Incharge HOD

ABOUT ECE DEPARTMENT

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 and electives such Analog courses as & 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.

233

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)

PEO₁

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

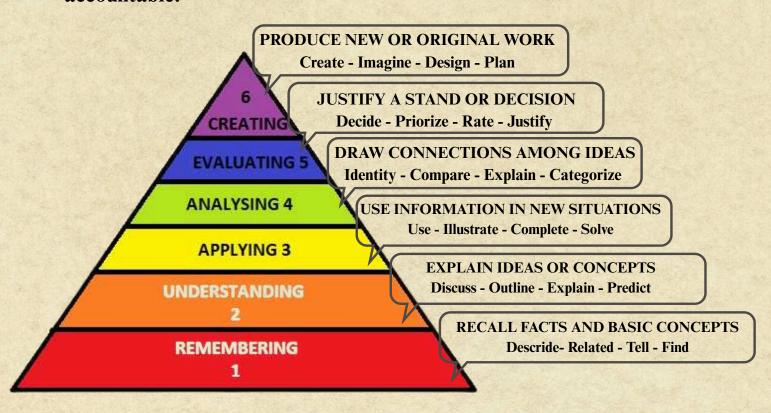
Design, analyze and develop modules and systems for applications in advanced electronics and communication systems.

PSO₂

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 developing emphasizes practical **OBE** models. skills 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 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.



ELECTRONIC CIRCUIT ANALYSIS LAB



ELECTRONIC DEVICES AND CIRCUITS LAB



PRINCIPLES OF COMMUNICATION LAB



DATA COMMUNICATIONS AND NETWORKS LAB



ANALOG ELECTRONICS LAB



DIGITAL SYSTEM DESIGN LAB

FACULTY PUBLICATIONS

- 1. Kumar, G.R., Ponnapalli, V.S., Sireesha, P. and Praveena, A., 2022, June. A Christ Cross Slotted Antenna for 56 mm Waves Applications. In 2022 7th International Conference on Communication and Electronics Systems (ICCES) (pp. 512–518). IEEE.
- 2. Sowjanya, A., Swaroop, K.S., Kumar, S. and Jain, A., 2021, December. Neural Network-based Soil Detection and Classification. In 2021 10th International Conference on System Modeling & Advancement in Research Trends (SMART) (pp. 150-154). IEEE.
- 3. Ponnapalli, V.A.S., Ram, P.S., Reddy, G.H., Kumar, M.A., Sravya, K. and Praveena, A., 2022, January. Design of Mango-Shaped Slot Patch with Haferman Carpet DGS for Wireless Applications. In 2022 International Conference on Computer Communication and Informatics (ICCCI) (pp. 1-4). IEEE.
- 4. Mathew, S. and Ponnapalli, V.S., 2022, January. Implementation of Various Modulation Techniques using Scilab: A User-Friendly Solution. In 2022 International Conference on Computer Communication and Informatics (ICCCI) (pp. 1-4). IEEE.
- 5. Ponnapalli, V.S., Sudutha, R., Abhishek, N. and Pranitha, K.S., 2021, August. Design of bio inspired maple leaf microstrip patch antenna array with different substrates for wireless applications. In 2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT) (pp. 809–812). IEEE.

FACULTY PUBLICATIONS

- 6. Ponnapalli, V.S., sai Manish, A.V., Ramu, P., Sudhiksha, S. and Greeshma, M., 2021, August. Array Factor Code Development of Fractal Array Antenna using Python: A Mini-Study on Free and Open Source Software for Antennas. In 2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT) (pp. 448-451). IEEE.
- 7. Kumar, C.M., Ponnapalli, V.S., Reddy, T.V.S., Swathi, N. and Jyothsna, U., 2021, June. Design of wideband metamaterial and dielectric resonator-inspired patch antenna. In International Conference on Soft Conputing and Signal Processing (pp. 563–569). Singapore: Springer Nature Singapore.
- 8. Maddiboyina, H.V., Sankar Ponnapalli, V.A. and Naresh Kumar, A., 2022. A Study on the Implementation of Secure VANETS Using FPGA. In Recent Innovations in Computing: Proceedings of ICRIC 2021, Volume 2 (pp. 179–187). Singapore: Springer Singapore.
- 9. Praveena, A., Umamaheswari, G. and Sankar Ponnapalli, V.A., 2023. Performance analysis of maple-shaped monopole multiband antenna on various substrate materials. IETE Journal of Research, 69(3), pp. 1233–1240.
- 10. Rasveen, Chopra, K. and Kumar, S., 2022. Narrowband internet of things: analysis of frame structure, NPSS sequence generation and detection. International Journal of Systems, Control and Communications, 13(1), pp.67–81.

FACULTY NPTEL CERTIFICATIONS



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

Achievement Category	Count		
Total Certifications	43		
№ Gold Certifications	1		
Silver Certifications	9		
Elite Certifications	23		
Passing Faculty	10		
Top 1% Rankings	2		
Top 2% Rankings	1		
Top 5% Rankings	3		

FACULTY ACHIEVEMENTS















Elite

NPTEL Online Certification (Funded by the McE, Govt. of India)

This certificate is awarded to

SRINIVASA RAO G

for successfully completing the course



Computer Networks and Internet Protocol

with a consolidated score of 79

Online Assignments 25/25 Proctored Exam 53.57/75

Total number of candidates certified in this course: 1700



Jan-Apr 2022 (12 week course)



Indian Institute of Technology Kharagour





Elite

NPTEL Online Certification





This certificate is awarded to

SREENIVASU BHUKYA

for successfully completing the course



Computer Networks and Internet Protocol

with a consolidated score of 86

Online Assignments 24.47/25 Proctored Exam 61.22/75

Total number of candidates certified in this course: 1700



Jan-Apr 2022







indian Institute of Technology Kharagour



TEL22C519513533460



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)





SOMISETTI ASHALATHA for successfully completing the course



Computer Architecture

with a consolidated score of 84

Online Assignments 25/25 Proctored Exam 58.5/75

Total number of candidates certified in this course: 652



Prof. Devendra Jalihal Chalman dre for Continuing Education, ITM

jan-Apr 2022 (12 week course)





Indian Institute of Technology Madras



0:NPTEL22CS15S43530959



Elite

NPTEL Online Certification





This certificate is awarded to

SREENIVASU BHUKYA

for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of 86

Online Assignments 24.78/25 Proctored Exam 61.22/75

Total number of candidates certified in this course: 3987



Jan-Apr 2022 (12 week course)





Indian Institute of Technology Kharagpur



NPTEL Online Certification





A SOWJANYA for successfully completing the course



Computer Architecture

with a consolidated score of 76

Online Assignments 23.75/25 Proctored Exam 52.5/75

Total number of candidates certified in this course: 652

Devento Jelisal

Jan-Apr 2022 (12 week course)





Indian Institute of Technology Madras

0:NPTE: 22CS15533S31929







PTEL Online Certification

This certificate is awarded to

SRAVANTHI BALGURI

for successfully completing the course



Computer Networks and Internet Protocol

with a consolidated score of 75

Online Assignments 23.13/25 Proctored Exam 52.04/75

Total number of candidates certified in this course: 1700



Jan-Apr 2022 (12 week course)

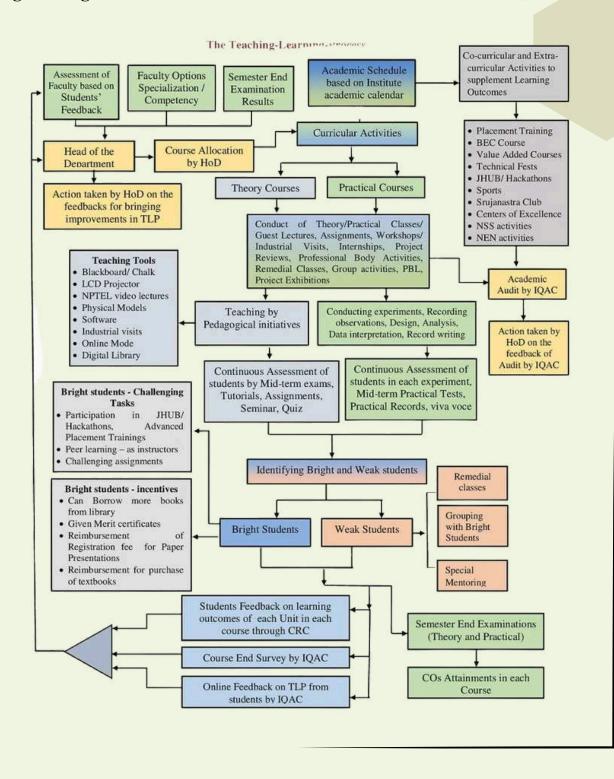


Indian Institute of Technology Kharagour



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.





I YEAR I SEMESTER



POLLA NAVYA CGPA-9 21VE1A0453



SANGISHETTI MURALI **CGPA-8.84** 21VE1A0457



CGPA - 8.89 21VE1A0448

I YEAR II SEMESTER



CGPA-9.32 21VE1A0486



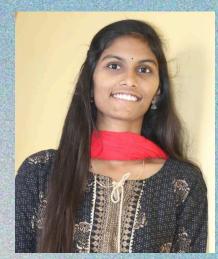
GARAPANA DILIPREDDY KOTA CHAITHANYA CGPA-9 21VE1A04A1



ADUSUMILLI SRILEKHA **CGPA - 8.89** 21VE1A0464



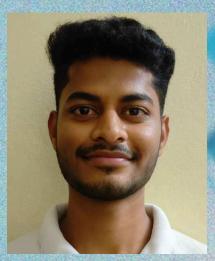
II YEAR I SEMESTER



AVULA PALLAVI CGPA- 8.19 20VE1A0466



VYDYULA RISHITHA CGPA- 8.19 20VE1A04B2

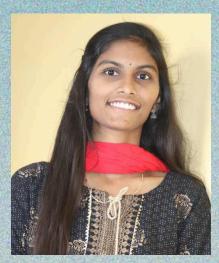


K. SHIVANANDH CGPA- 8.19 20VE1A0414

II YEAR II SEMESTER



VYDYULA RISHITHA CGPA- 8.86 20VE1A04B2



AVULA PALLAVI CGPA- 8.67 20VE1A0466



R.DHARMA TEJA CGPA- 8.29 20VE1A0441



III YEAR I SEMESTER



CGPA-9.53 19VE1A04B3



SUDIREDDY AKHILA C.SURENDRA MAHITHA **CGPA-9.21** 19VE1A0469



ALIGOLU MANASA CGPA-9.16 19VE1A0403

III YEAR II SEMESTER



CGPA-9.53 19VE1A04B3



SUDIREDDY AKHILA C.SURENDRA MAHITHA **CGPA-9.21** 19VE1A0469



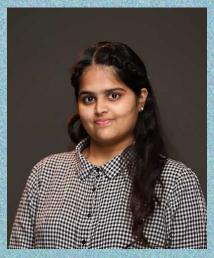
ALIGOLU MANASA CGPA-9.16 19VE1A0403



IV YEAR I SEMESTER



USHASWINI DORNALA CGPA- 8.62 18VE1A04K3



VUPPALA VASAVI CGPA- 8.52 18VE1A04P9



MEGHA THAKUR CGPA- 8.24 18VE1A0493

IV YEAR II SEMESTER



S. AISHWARYA CGPA- 9.31 18VE1A04P3

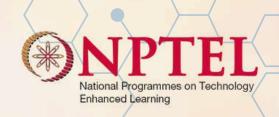


Y.PRATHYUSHA CGPA- 9.25 19VE5A0406



UDUTHA SRUTHI CGPA- 9.25 18VE1A0 4P3

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.

EVEN SEMESTER

Category	Count		
Total Certifications	87		
₩ Gold	2		
Silver	22		
Elite	36		
Passing	27		
Topper	1		

ODD SEMESTER

Category	Count		
Total Certifications	9		
 ∅ Gold	-		
Silver	2		
Elite	4		
Passing	3		
Topper	2		

STUDENTS' ACHIEVEMENTS







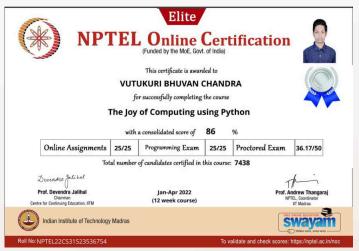










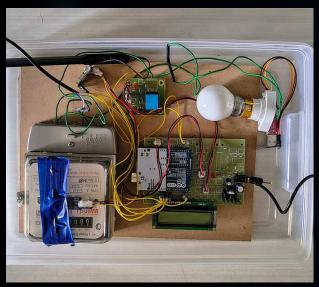




STUDENTS' PUBLICATIONS

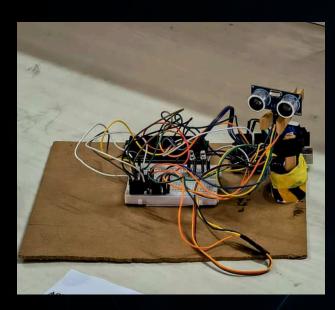
Sr. No.	Name of the STUDEN T	Title of the paper	Title of the proceeding s of the conference	Name of the Conference	National / Internationa	Year of Publi catio n
	Rakesh Sudutha, Naragouni Abhishek, Kotipalli Sai Pranitha	Design of Bio Inspired Maple Leaf Microstrip Patch Antenna Array with Different Substrates for Wireless Applications	IEEE- RTEICT- 2021	IEEE	Internationa 1	2021
	Abburu Venkata sai Manish, Patha Ramu,	Array Factor Code Development of Fractal Array Antenna using Python: A Mini- Study on Free and Open-Source Software for Antennas	IEEE- RTEICT- 2021	IEEE	Internationa 1	2021
	3 P Sairam	Design of Mango- Shaped Slot Patch with Haferman Carpet DGS for Wireless Applications	2022 INTERN ATIONAL CONFER ENCE ON COMPUT ER COMMU NICATIO N AND INFORM ATICS	IEEE	Internationa 1	2022

STUDENTS INNOVATIONS



Title: Smart electric meter using LoRa

This project implements a smart electric meter that uses LoRa technology for wireless communication of energy consumption data. It enables remote monitoring and efficient data transmission.



Title: Arduino radar model using ultrasonic sensor for detection and ranging

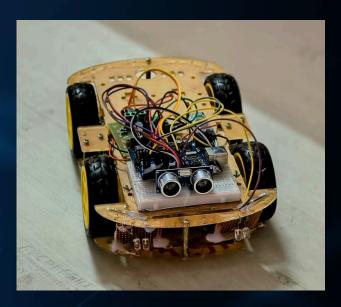
This project builds a basic radar system using an Arduino, an ultrasonic sensor, and a servo motor. It detects objects by measuring distances and their angular position.



Title: Smart parking system by arduino

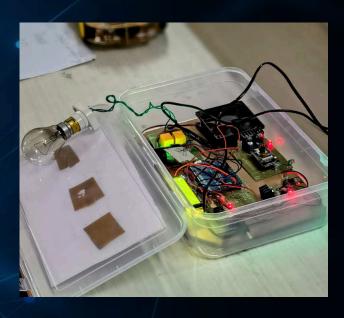
This project develops an Arduino-based smart parking system to optimize parking space usage. It incorporates sensors to detect vehicle presence and an Arduino microcontroller to process data. The system can provide real-time information on parking availability and automate parking management tasks.

STUDENTS INNOVATIONS



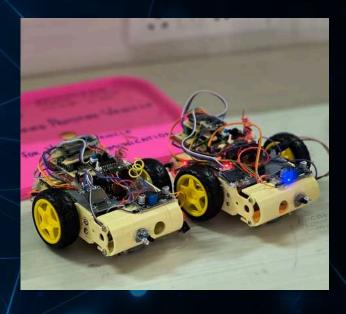
Title: Automatic surface disinfecting robot

This project involves building a robot capable of autonomously disinfecting surfaces. It utilizes components like UV-C light or disinfectant spray mechanisms to eliminate pathogens.



Title: Video Streaming Over Software Defined Networks with Server Load Balancing

This project demonstrates efficient video streaming by leveraging Software Defined Networking (SDN) to dynamically manage network traffic. It includes server load balancing to optimize video delivery and performance.



Title: VANET based prototype

(Model for vehicle - vehicle communication)

The project showcases a VANET-based prototype that models vehicle-vehicle communication. It utilizes model vehicles to establish and test ad-hoc network connections for data exchange.

COLLEGE EVENTS

FRESHERS







SRIYAM - 2K22







YOUTH FOR SOCIAL IMPACT CONFERENCE







GRADUATION DAY, 2022













IEEE STUDENT

The Institute of Electrical and Electrical and Electrical and Electrical and Electrical and beacon of technological empowering professionals and strength engineers within the ECE depart gateway to cutting-edge knowledge community of experts. By fostering professional development, IEEE equiponections necessary to excel technology. This engagement necessary to experience but also paves the way and innovators in the field.







EUE1T5

ronics Engineers (IEEE) serves as a linnovation and collaboration, dents alike. For the 105 aspiring ment, IEEE provides an invaluable e, industry standards, and a vibrant a culture of continuous learning and ps these students with the tools and in the ever-evolving landscape of only enriches their academic for them to become future leaders

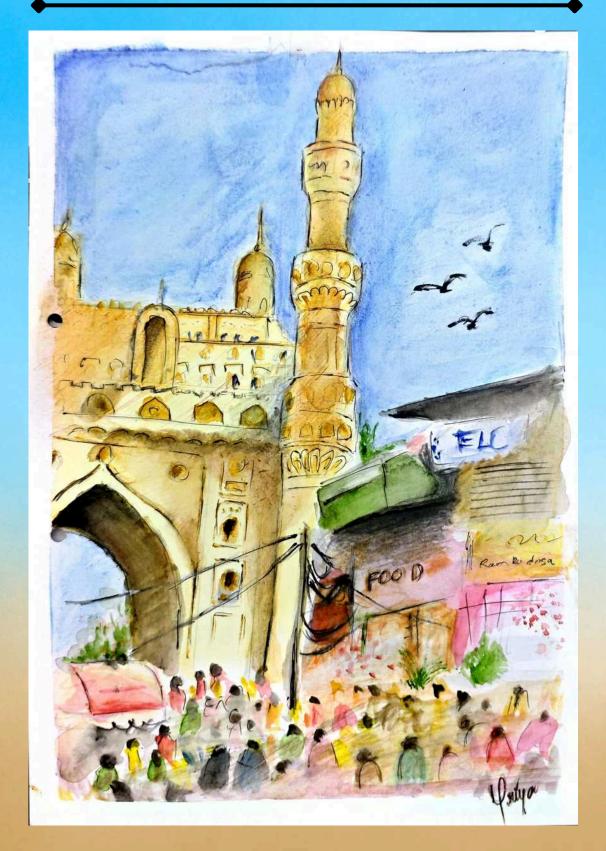








PRINTING COMPETITION



Priya Nalla (20VE1A0421, ECE-A) dazzled the judges, securing first prize in the ECE department's painting competition.

MOUs

S. No	Name of the MOU	Date of signed	Purpose of MoU	Duration
5. 140	Name of the MOU	Date of signed		Duration
1	IUCEE FUNDATION	Jan 2, 2022	The vision of IUCEE is to improve the quality and global relevance of engineering education	1 year
2	IEEE -Hyderabad Section Skill Connect Programe	25/9/2021	Skill Development programme	2 years
3	Aon Consulting Private limited	28/12/2021	Student Career development	1 year
4	lead India 2020 foundation	Feb 12, 2021	Social development Programmes	1 year
5	PowerBytes technologies	Jun 3, 2022	Skill Development	3 years
6	Heartfulness Education Trust	24/05/2022	Ethical Guest Lectures	3 years
7	National institute of amateur Radio ,hyd	Jan 4, 2021	Skill based training , Education and research	1 year
8	IDP Education India private limited	25/2/2021	Student Career development, Education, and research	1 year
9	PupilFirst Pvt Ltd	Mar 8, 2021	Projects, Industrial Visits, Internships	1 year
10	Consilio Research Lab OU, Tallinn, Estonia	26/2/2021	Organize an international conference, proceedings publications	1 year
11	Girnarsoft Education Service Private Limited	30/4/2021	Student Career development	1 year

PLACEMENTS DATA

1

The ECE department achieved a strong placement record, successfully placing 194 students. This reflects the department's commitment to career readiness and industry connections.

S.No	Company Name	Students Placed	Packages(Lakhs)	
1	ADP	1	500000	
2	ARTECH Intelligence is human	1	480000	
3	Broadridge Financial Solutions (India)	5	500000	
4	Capgemini	20	400000	
5	CSS Corp	1	320000	
6	Ennea Solutions	1	570000	
7	Ernst & Young Global	1	450000	
8	FACE PREP	1	340000	
9	Harman Connected Services	1	550000	
10	Hexaware	5	350000	
11	НРЕ	1	500000	
12	IBM	1	450000	
13	Infosys	5	950000-360000	
14	INTELLIPAAT	1	900000	
15	Logik Works Pvt. Ltd.	3	300000	
16	Mindtree	8	450000	
17	Mphasis	28	400000	

S.No	Company Name	Students Placed	Package(lakhs)
18	NALSOFT	7	600000
19	NNIIT	15	500000
20	NPCI	2	700000-689000
21	Persistent	10	478000
22	Qspiders	1	350000
23	Revature	1	600000
24	Skill-Lync	1	360000
25	Sopra Steria (India) Limited	1	600000
26	TCS	5	340000
27	Tech Mahindra Limited	3	325000
28	TuringMinds.Ai	14	620000
29	Verzeo	5	300000
30	Vistex	1	300000
31	Wilco Source	3	350000
32	WinWire Technologies	2	420000
33	Wipro - ELITE	26	340000
34	Wipro - Velocity	11	650000
35	Wissen Infotech	1	300000
36	Zensar	1	400000

PLACEMENT DRIVE











Placement of outgoing students during the Academic year 2021- 2022

S.No	Roll No.	Student Name	Company Name	CTC per annum
1	18VE1A0409	Bondugula Shravika	INTELLIPAAT	900000
2	18VE1A0425	Kohir Bhavani	Wipro -Velocity	650000
3	18VE1A0432	Malkapuram Saikrishna	Wipro -Velocity	650000
4	18VE1A0402	ANAM AASRITHA	TuringMinds.Ai	620000
5	18VE1A0452	Pravallika Sale	NALSOFT	600000
6	18VE1A0405	Boddupalli Sriram	НРЕ	500000
7	18VE1A0407	Banala sai charan reddy	NNIIT	500000
8	18VE1A0410	CHITTIMALLA.ASHISH	NNIIT	500000
9	18VE1A0419	Nikhil Yadav Jala	NNIIT	500000
10	18VE1A0430	Kotturi Ganesh	NNIIT	500000
11	18VE1A0423	Kasula Goutham	Persistant	478000
12	18VE1A0437	M AASHRITHA	Persistant	478000
13	18VE1A0440	MUVVA SRI DEVI	Persistant	478000
14	18VE1A0416	EPPA NIKHIL SAI	Mindtree	450000
15	18VE1A0422	Kasireddy Laxmi	WinWire Technologies	420000
16	18VE1A0406	Balusa Anusha	Capgemini	400000
17	18VE1A0408	Bogaram vikas Goud	Capgemini	400000
18	18VE1A0429	KOTHI MADHURI	capgemini	400000
19	18VE1A0442	Pravalika Navari	Capgemini	400000
20	18VE1A0447	Vijay Ganesh Reddy Peri Reddy	Capgemini	400000
21	18VE1A0453	Samreddy Manaswini Reddy	Capgemini	400000

22	18VE1A0413	D. Shirisha	Mphasis	400000
23	18VE1A0417	Gajula Sai Tarun	Mphasis	400000
24	18VE1A0436	Kalyan Mangalarapu	Mphasis	400000
25	18VE1A0439	M Shivaprasad Reddy	Mphasis	400000
26	18VE1A0457	Tulasi Sai Nikshay	Mphasis	400000
27	19VE5A0401	DHARAVATH SHIRISHA	Mphasis	400000
28	19VE5A0403	Priyanka Kodakandla	Mphasis	400000
29	18VE1A0412	D Lavanya	Zensar	400000
30	18VE1A0435	Mandala Srinivasa Karthik	Hexaware	350000
31	18VE1A0446	Polapally Venugopal	Hexaware	350000
32	18VE1A0449	Patlolla Nikitha	TCS	340000
33	18VE1A0401	Navya Aithagoni	Wipro - ELITE	340000
34	18VE1A0451	Ratnam Shivani	Wipro - ELITE	340000
35	18VE1A0459	Likitha Vangapalli	Wipro - ELITE	340000
36	19VE5A0414	bandla rupa	Wipro - ELITE	340000
37	19VE5A0421	Sowmya Kududhula	Wipro - ELITE	340000
38	18VE1A0427	KORIKANA RISHITHA	CSS Corp	320000
39	18VE1AO4O4	ANEGOUNI NAVYASRI	Logik Works Pvt. Ltd.	300000
40	18VE1A0431	LENKALA POOJITHA REDDY	Logik Works Pvt. Ltd.	300000
41	18VE1A0414	Dushatti Sainath	Verzeo	300000
42	18VE1A0428	Medha reddy Kotha	Verzeo	300000
43	19VE5A0404	PALADI RAJESHWARI	Wissen Infotech	300000
44	19VE5A0411	Puram Meghana	Infosys	950000

45	18VE1A04A8	Rapolu Mrudula	NPCI	700000
46	18VE1A0473	Aneesh Reddy Dhanashri	Wipro -Velocity	650000
47	18VE1A0480	Kalyani Janga	Wipro -Velocity	650000
48	18VE1A04A1	Palamuri Varsha	Wipro -Velocity	650000
49	18VE1A0466	BHEEMI REDDY YAMINI	TuringMinds.Ai	620000
50	18VE1AO477	GHATKESHWARAM VAISHNAVI	TuringMinds.Ai	620000
51	18VE1A0486	KOLLOJU SAI AKSHITHA	TuringMinds.Ai	620000
52	18VE1A0491	MANCHIKANTI HARINI	TuringMinds.Ai	620000
53	18VE1A0492	MAROJU SUDHA RANI	TuringMinds.Ai	620000
54	18VE1A0499	P SHREYA	TuringMinds.Ai	620000
55	18VE1A04A7	RANGASAMUDRAM PALLAVI REDDY	TuringMinds.Ai	620000
56	18VE1A0471	C.Jayavardhan Reddy	NALSOFT	600000
57	18VE1A0495	Muchumarri Venkata Jagadish	NALSOFT	600000
58	18VE1A04G6	Repala swetha	NALSOFT	600000
59	18VE1A04L4	Gugulothu Srikanth	NALSOFT	600000
60	18VE1A04B4	Tanvi Anantula	Revature	600000
61	18VE1A04B5	Telukuntla Srilakshmi	Ennea Solutions	570000
62	18VE1A0464	Rohan Amaradi	NNIIT	500000
63	18VE1A0478	Goshika Nithin	NNIIT	500000
64	18VE1A0496	N Vijay Kumar Reddy	NNIIT	500000
65	19VE5A0412	Rasakonda Ravi Teja	NNIIT	500000
66	18VE1A0475	Megha Ganji	Persistant	478000
67	18VE1A0479	Cheshmini Gunda	Persistant	478000

68	18VE1A04A6	R Sreenidhi Ranganayaki	IBM	450000
69	18VE1A04A5	Taruni Reddy	Mindtree	450000
70	18VE1A04B9	Vishwanatham Akshara	Mindtree	450000
71	18VE1A0494	Minishkar Kavya	Capgemini	400000
72	18VE1A0497	N.SRAVYASREE	Capgemini	400000
73	18VE1A04A3	PALVAI VINAY KUMAR	Capgemini	400000
74	18VE1A04B3	Sohan Eluri	Capgemini	400000
75	18VE1A04C1	A.priyanka reddy	Capgemini	400000
76	18VE1A04H6	Vemuganti Keerthana	Capgemini	400000
77	18VE1A0485	JAYESH KODI	Mphasis	400000
78	18VE1A0487	Kommula Sai Varsha	Mphasis	400000
79	18VE1A04B0	Sapedi Chetan Swaroop	Mphasis	400000
80	19VE5A0407	Parimala chavanaboina	Mphasis	400000
81	18VE1A0469	Lohith Cheedalla	Skill-Lync	360000
82	18VE1A04B6	Thota Alekhya	Qspiders	350000
83	18VE1A0463	sowmika amanchi	Wilco Source	350000
84	18VE1A0468	Soujanya.Ch	Wilco Source	350000
85	18VE1A0467	HARSHA VARDHAN BHOGADHI	TCS	340000
86	18VE1A04B2	Shubham Jaiswal	TCS	340000
87	18VE1A0465	Anumala Likitha	Wipro - ELITE	340000
88	18VE1A0476	Shashidhar Reddy Gavva	Wipro - ELITE	340000
89	18VE1A0481	Kandala Nithin Vardhan Reddy	Wipro - ELITE	340000
90	18VE1A0484	Suresh Karnati	Wipro - ELITE	340000

91	18VE1AO488	KONKA ROSHAN	Wipro - ELITE	340000
92	18VE1A0489	Abhinay Kotla	Wipro - ELITE	340000
93	18VE1A0493	Megha Thakur	Wipro - ELITE	340000
94	18VE1A04A2	PALLAPOTHULA JOGESHWAR REDDY	Wipro - ELITE	340000
95	18VE1A04A9	Deepak reddy	Wipro - ELITE	340000
96	19VE5A0406	Prathyusha Yenkamgari	Wipro - ELITE	340000
97	19VE5A0410	PANDUGA NAVYAKISHORE	Wipro - ELITE	340000
98	19VE5A0424	Vangipurapu Naveena	Wipro - ELITE	340000
99	18VE1A04B1	Seerla prapoorna	Verzeo	300000
100	18VE1A04C2	Anirudh Reddy Aligireddy	NPCI	689000
101	18VE1A04G9	Sathuri Haripriya	Wipro -Velocity	650000
102	18VE1A04H1	Tekula Vaishnavi Reddy	Wipro -Velocity	650000
103	18VE1A04D0	G NISHUDANA	TuringMinds.Ai	620000
104	18VE1A04F3	NAGIREDDY DEEKSHA	TuringMinds.Ai	620000
105	18VE1A04H3	UPPALURI VENKATA SYAMALA RAJYASREE	TuringMinds.Ai	620000
106	18VE1A04J0	YANNAM JAHNAVI	TuringMinds.Ai	620000
107	18VE1AO4E2	Kadupu Sai Chandana	NALSOFT	600000
108	18VE1A04P2	Shaik Abdulla	Sopra Steria (India) Limited	600000
109	18VE1A04D5	Gunda Keerthi Sri	Harman Connected	550000
110	18VE1A04C6	Bompelly Likhitha	Broadridge Financial	500000
111	18VE1A04D6	INDARAM SRI CHARANA	Broadridge Financial	500000
112	18VE1A04F2	NAGAMALLA NAMRATHA	Broadridge Financial	500000
113	18VE1A04H7	VORUGANTI NIKHIL	Broadridge Financial	500000

114	19VE5A0416	Mahesh Babu Metti Reddy	Broadridge Financial Solutions (India)	500000
115	18VE1A04C3	Alisetty Sai Priyanka	NNIIT	500000
116	18VE1A04F0	Mendu Nithya sree	NNIIT	500000
117	18VE1A04G1	Sai teja putta	NNIIT	500000
118	18VE1A04H2	Thoutem Anmisha Raj	NNIIT	500000
119	19VE5A0415	Inuganti Prathyusha	NNIIT	500000
120	18VE1A04G7	Sai Kruthi Kanakuntla	ARTECH Intelligence is human	480000
121	18VE1A04D9	Likhith	Persistant	478000
122	18VE1A04E8	Kutala Divya	Persistant	478000
123	18VE1A04E6	Raghavendra Karthik	Mindtree	450000
124	18VE1AO4F4	NAGULAPALLY LIKHITHA REDDY	Mindtree	450000
125	18VE1AO4F7	Pabba Saharsh	Mindtree	450000
126	19VE5A0417	P Sree Rohith Goud	Mindtree	450000
127	18VE1A04E3	Kakunuri Bhavya Shree	WinWire Technologies	420000
128	18VE1A04E5	Pradeepthi kancharla	Capgemini	400000
129	18VE1AO4H4	Valiveru Sai Harideep	Capgemini	400000
130	18VE1AO4J7	Sanjana Beecharaju	CAPGEMINI	400000
131	18VE1A04D1	SHIVAKANTH REDDY GAYAM	Mphasis	400000
132	18VE1A04D4	Gumma Srikar	Mphasis	400000
133	18VE1A04E1	Kaasoju Sai Teja	Mphasis	400000
134	18VE1A04E4	Kalimi pravallika	Mphasis	400000
135	18VE1A04E9	MEDAPALLY TUSHARA	Mphasis	400000
136	18VE1A04G5	Rajineni Sravya	Mphasis	400000

137	19VE5A0413	Karthik Arakala	Mphasis	400000
138	19VE5A0418	Rachamalla Bhavana	Mphasis	400000
139	19VE5A0419	R.Haran Kumar	Mphasis	400000
140	18vE1A04G4	Rachuri Vaishnavi	Infosys	360000
141	18VE1A04H8	VUDIGA ALEKHYA	Hexaware	350000
142	18VE1A04E7	Kanthala Praneeth Reddy	FACE PREP	340000
143	18VE1A04D7	J.SriHarshaVardhan	TCS	340000
144	18VE1A04C7	Budhati Akhil Reddy	Wipro - ELITE	340000
145	18VE1A04H0	Sohel Shaik	Wipro - ELITE	340000
146	18VE1A04H5	Aakash Reddy Varala	Wipro - ELITE	340000
147	18VE1A0424	KATHI SIRI REDDY	Tech Mahindra Limited	325000
148	18VE1AO4F1	MERIMEKALA DEEPSHIKA	Tech Mahindra Limited	325000
149	19VE5A0405	PALE ASHOK	Tech Mahindra Limited	325000
150	18VE1A04C9	E.Meghana	Verzeo	300000
151	18VE1A04K2	CHOPPADANDI SANTHOSH KUMAR	Hexaware	350000
152	18VE1A04K0	C SAI KRISHNA REDDY	Wipro -Velocity	650000
153	18VE1AO4K7	Erumandla Mounika Reddy	Wipro -Velocity	650000
154	18VE1A04L1	Gantla sahitya reddy	Wipro -Velocity	650000
155	18VE1A04N7	Pathak Aishwarya	Wipro -Velocity	650000
156	18VE1A04P6	VALLAMKONDA VIGNESH PREETHAM	TuringMinds.Ai	620000
157	19VE5A0423	SOMARATHI HRUDAY RAJ	TuringMinds.Ai	620000
158	18VE1A04N8	Sahith Reddy Peddi	NALSOFT	600000
159	18VE1AO4L8	K Sai Sasank Reddy	ADP	500000

160	18VE1A04J5	bankapuram ashish	NNIIT	500000
161	18VE1AO4N5	Bhavana Pamarthi	NNIIT	500000
162	18VE1A04J3	Anvitha Nagubothu	Persistant	478000
163	18VE1A04L5	YASHODHAR GUNDAVENI R	persistant	478000
164	18VE1A04P7	Varshika Malabanti	Persistant	478000
165	18VE1A04J8	Burri Kavya Reddy	Ernst & Young Global	450000
166	18VE1A04M0	Kallem Adithya Krishna	Mindtree	450000
167	18VE1AO4M2	Karnati Manusri	capgemini	400000
168	18VE1AO4NO	Keshavi Mangalapally	Capgemini	400000
169	18VE1A04N1	Marneni Nithish	Capgemini	400000
170	18VE1A04P1	P.Sai Sreya Anvitha	Capgemini	400000
171	18VE1A04P8	V.sai rishitha	Capgemini	400000
172	18VE1A04J9	Buthukuri Meghana	Mphasis	400000
173	18VE1A04K3	Ushaswini Dornala	Mphasis	400000
174	18VE1A04K9	Srilatha Gande	Mphasis	400000
175	18VE1A04L9	K.Sumanth	Mphasis	400000
176	18VE1A04N2	Mekala Nikitha	Mphasis	400000
177	18VE1AO4N9	p.umamaheshwari	Mphasis	400000
178	18VE1AO4P3	SILVERI AISHWARYA	Mphasis	400000
179	18VE1A04P5	Udutha Sruthi	Mphasis	400000
180	18VE1AO448	PASULA SHASHANK	Infosys	360000

181	18VE1AO4B7	VADAKATTU NAGARJUN	Infosys	360000
182	19VE5A0422	P SANJANA	Infosys	360000
183	18VE1A04J1	Rakshitha Ananthula	Hexaware	350000
184	18VE1A04P9	Vuppala Vasavi	Wilco Source	350000
185	18VE1AO4M9	Charan Kumar mandaloju	TCS	340000
186	18VE1A04K1	CHERIPALLY LOKESH	Wipro - ELITE	340000
187	18VE1A04K8	Tejaswini Reddy Gaddam	Wipro - ELITE	340000
188	18VE1A04L2	SHRIJA REDDY GATTU	Wipro - ELITE	340000
189	18VE1A04L3	GOPAGONI SAI CHARAN	Wipro - ELITE	340000
190	18VE1AO4M3	pranavi katakam	Wipro - ELITE	340000
191	18VE1AO4M7	LOLAKAPURI KARTHIK	Wipro - ELITE	340000
192	18VE1A04L7	IRUVURI JAYA KRISHNA	Logik Works Pvt. Ltd.	300000
193	18VE1A04K4	Dyasani Yuktika	Verzeo	300000
194	18VE1AO4LO	G.Adarsh Reddy	Vistex	300000

































































sopra Ssteria

Persistent













BEST OUTGOING STUDENTS



S. AISHWARYA CGPA- 9.31 18VE1A04P3



Y.PRATHYUSHA CGPA- 9.25 19VE5A0406



UDUTHA SRUTHI CGPA- 9.25 18VE1A04P3



WORLD CLASS TECHNICAL CAMPUS

-WITHIN THE CITY



Editorial Board

Head of the Department: Dr. N. Murali Krishna, PhD., Professor

Ph: 9885837534, E-mail: muralikrishna.n@sreyas.ac.in

Editor In-Charge : Mr. B. Sreenivasu, (PhD.) ISTE, IETE, MISTE, Associate Professor

Ph:9502251564, E-mail:srinivasu.b@sreyas.ac.in

Faculty Coordinator : Mr.G. Vijay Goud, M Tech - ACS, Associate Professor

Ph: 9652083332, E-mail: vijay.g@sreyas.ac.in

Student Coordinator : C. Surendra Mahitha, 19VE1A0469

B. Akhila, 19VE1A04C9

G. Rachana, 20VE1A0408

R. Dharma Teja, 20VE1A0440

K. Anupam Ram, 21VE1A04A0