



SREYAS

INSTITUTE OF ENGINEERING AND TECHNOLOGY
Affiliated to JNTUH, Hyderabad, Approved by AICTE, New
Delhi Accredited by NAAC



TECH-ZINE 2024

March-August

PUBLISHED BY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ABOUT ECE DEPARTMENT

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

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VISION

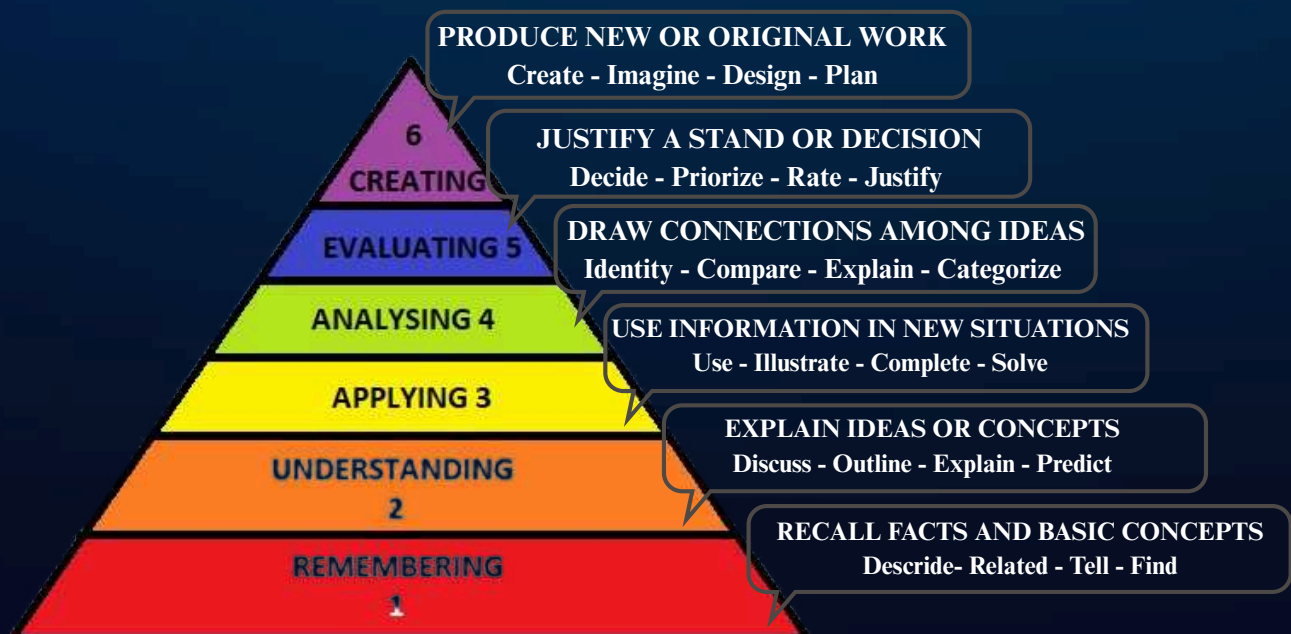
To excel in electronics & communication engineering education with the knowledge of innovation, research and ethics.

MISSION


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

FRAME WORK OUTCOME-BASED EDUCATION


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



FACULTY CERTIFICATIONS



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)


Skill India
कौशल भारत - कुशल भारत



This certificate is awarded to
SOWJANYA AKUMALLA
for successfully completing the course


Introduction To Internet Of Things


with a consolidated score of **86** %


Online Assignments	24.78/25	Proctored Exam	61.5/75
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Total number of candidates certified in this course: **38143**


Jan-Apr 2025
(12 week course)


Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur


 Indian Institute of Technology Kharagpur


FREE ONLINE EDUCATION
swayam
शिक्षण भारत, उन्नत भारत

Roll No: NPTEL25CS44S447003454 To verify the certificate  No. of credits recommended: 3 or 4



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)


Skill India
कौशल भारत - कुशल भारत



This certificate is awarded to
SOWJANYA AKUMALLA
for successfully completing the course

Wireless Ad Hoc and Sensor Networks


with a consolidated score of **80** %


Online Assignments	24.17/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **685**

Jan-Mar 2025
(8 week course)


Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

 Indian Institute of Technology Kharagpur


FREE ONLINE EDUCATION
swayam
शिक्षण भारत, उन्नत भारत

Roll No: NPTEL25CS74S447001208 To verify the certificate  No. of credits recommended: 2 or 3



MR.ASHOK BATTULA OF ECE DEPARTMENT HAS SUCCESSFULLY COMPLETED HIS PH.D AND HAS BEEN AWARDED DOCTORATE BY SATYABHAMA UNIVERSITY CHENNAI.





CERTIFICATE OF PARTICIPATION



This certificate is proudly presented to

ID: JNTU0493

Ms. B Bhavana

Has successfully Participated in Awareness Workshop on OUTCOME BASED EDUCATION AND ACCREDITATION (OBE&A) . Jointly Organised by NATIONAL BOARD OF ACCREDITATION (NBA), NEW DELHI & JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD, held at J.N. Auditorium, JNTUH, Kukatpally on March 19, 2025.

M. V. S. S. Giridhar

DR. M. V. S. S. GIRIDHAR

Coordinator (OBE&A) & Director - IQAC
Professor of Water Resources, Department of Civil Engineering, JNTUH.



Certificate of Participation

Bhavana Majji

OR

Sreyas Institute of Engineering and Technology
has successfully participated in the one week
National Level Workshop

on

Analog and Digital VLSI Design using CMOS and FinFET Technology
Organized by the Department of ECE, Sreenidhi Institute of Science & Technology,
Hyderabad held from 25th to 29th June 2024
in association with Entuple Technologies, Bangalore & IEEE Hyderabad CAS/EDS Jt. Chapter.

[Signature]
Organising Chair

[Signature]
Convener



CERTIFICATE OF APPRECIATION TO

SOWJANYA AKUMALLA

Computer Science and Engineering
for being recognized as NPTEL DISCIPLINE STAR

JAN-APR 2025

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

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55



STUDENT CERTIFICATIONS



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)


Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to

T M CHANDANA

for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of **68** %

Online Assignments	21/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **38143**

Jan-Apr 2025
(12 week course)


Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

 Indian Institute of Technology Kharagpur



Roll No: NPTEL25CS44S347000929 To verify the certificate  No. of credits recommended: 3 or 4



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)


Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to

SHRITHA THIRUMALA

for successfully completing the course

CMOS Digital VLSI Design

with a consolidated score of **61** %

Online Assignments	17.5/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **1464**

Jan-Mar 2025
(8 week course)


Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC


Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)

 Indian Institute of Technology Roorkee



Roll No: NPTEL25EE11S347000382 To verify the certificate  No. of credits recommended: 2 or 3



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

MAHI SRIJA

for successfully completing the course

Foundation of Cloud IoT Edge ML

with a consolidated score of **78** %

Online Assignments	24.17/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **7371**



Prof. B. V. Ratish Kumar

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2025

(8 week course)

Prof. Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL25CS75S447007278

To verify the certificate



No. of credits recommended: 2 or 3



Elite NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

AVL VAISHNAVI

for successfully completing the course

Introduction To Internet Of Things

with a consolidated score of **71** %

Online Assignments	21.44/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **38143**



Prof. Haimanti Banerji

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL25CS44S347002934

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
SURABHI RONDE
for successfully completing the course



Analog Circuits

with a consolidated score of **53** %

Online Assignments	14.46/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **253**

Jan-Mar 2025
(8 week course)

Prof. Sridhar Iyer
Head CDEEP & NPTEL Coordinator
IIT Bombay



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
VAISHNAVI THAKUR
for successfully completing the course



Introduction To Internet Of Things

with a consolidated score of **54** %

Online Assignments	20.6/25	Proctored Exam	33/75
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Total number of candidates certified in this course: **38143**

Jan-Apr 2025
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL25CS44S347002918

To verify the certificate

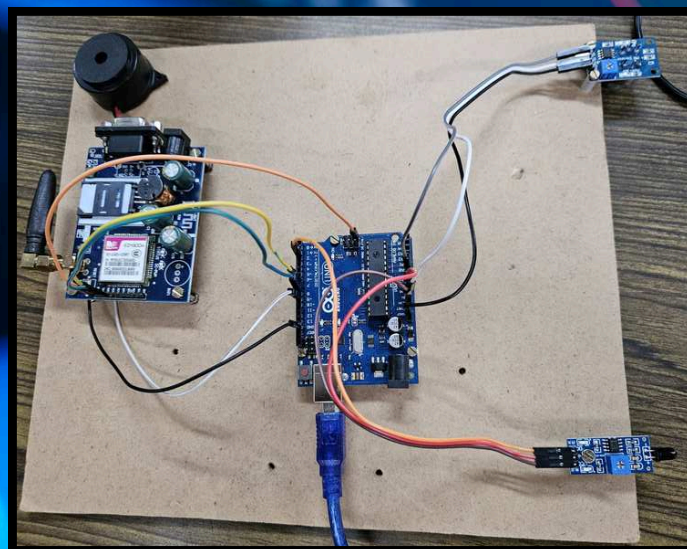


No. of credits recommended: 3 or 4

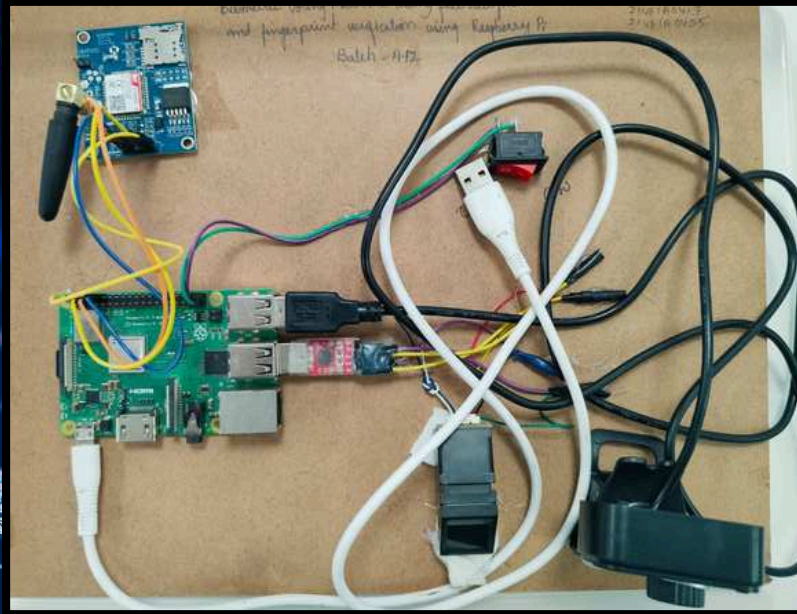
STUDENTS INNOVATIONS



THIS PROJECT PRESENTS A SMART WHEELCHAIR WITH WIRELESS CONTROL, FALL DETECTION, AND LOCATION TRACKING TO ENHANCE SAFETY AND MOBILITY FOR THE ELDERLY AND DISABLED. IT INCLUDES ALERT SYSTEMS TO NOTIFY CAREGIVERS IN CASE OF EMERGENCIES.



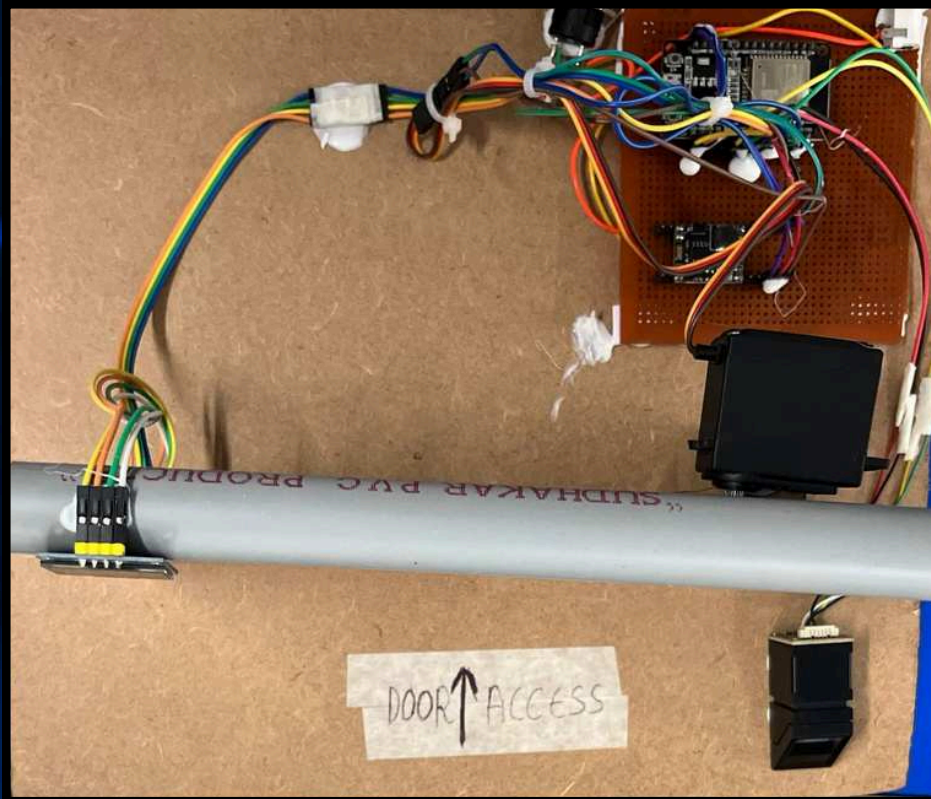
THIS PROJECT IS AN ARDUINO-BASED FIRE AND GAS LEAKAGE DETECTION SYSTEM WITH GSM ALERT FUNCTIONALITY. IT USES SENSORS TO DETECT HAZARDS AND INSTANTLY SENDS SMS ALERTS FOR QUICK EMERGENCY RESPONSE.



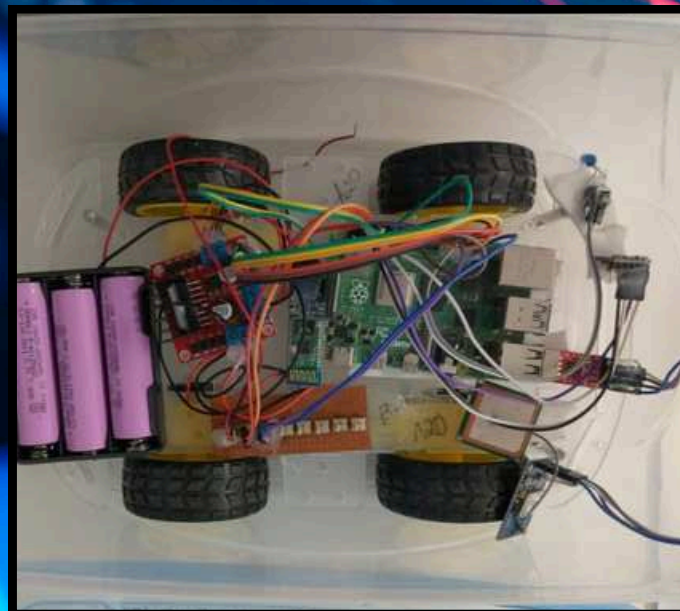
THIS PROJECT IS A BIOMETRIC VOTING MACHINE WITH IMAGE VERIFICATION, USING A RASPBERRY PI, CAMERA, FINGERPRINT SENSOR, AND GSM MODULE FOR SECURE AND AUTHENTICATED VOTING. IT ENSURES VOTER IDENTITY THROUGH BIOMETRIC AND PHOTOGRAPHIC VERIFICATION, ENHANCING ELECTION TRANSPARENCY.



THIS PROJECT USES A RASPBERRY PI AND USB WEBCAM TO CAPTURE AND PROCESS REAL-TIME VIDEO FOR SURVEILLANCE OR IMAGE RECOGNITION TASKS. IT ENABLES AUTOMATED MONITORING AND CAN BE ENHANCED WITH MOTION DETECTION OR AI-BASED ANALYSIS.



THIS PROJECT IS A FINGERPRINT-BASED DOOR ACCESS CONTROL SYSTEM THAT USES BIOMETRIC AUTHENTICATION FOR SECURE ENTRY. IT OPERATES A SERVO MOTOR TO UNLOCK THE DOOR ONLY FOR AUTHORIZED USERS.



THIS PROJECT IS A RASPBERRY PI-BASED SMART ROBOTIC VEHICLE DESIGNED FOR OBSTACLE DETECTION AND AUTONOMOUS NAVIGATION. IT USES SENSORS AND MOTOR DRIVERS TO MOVE INTELLIGENTLY AND AVOID COLLISIONS IN REAL-TIME.

IOT WORKSHOP



A 4 - DAY WORKSHOP ON INTERNET OF THINGS

"It's the beginning of machines taking over the world."

Aim Of The Workshop

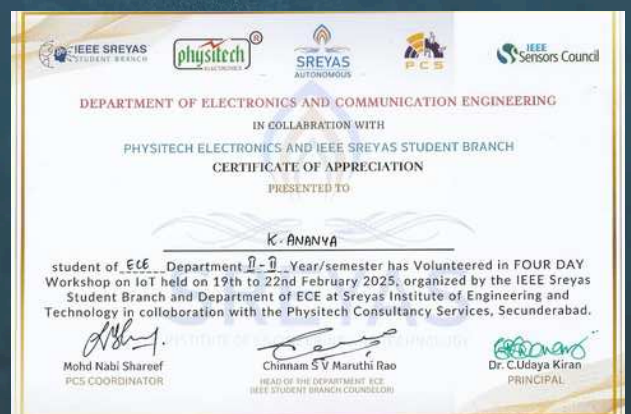
- ✓ Understand IoT Basics: Learn how IoT devices connect and communicate.
- ✓ Hands-on Experience: Build simple IoT projects for practical learning.
- ✓ Explore Applications: Discover real-world IoT uses in smart homes, healthcare, and more.



19th- 22nd february



IB - 202



SEMINAR ON MULTI PERSPECTIVE DEEP LEARNING ARCHITECTURES



SEMINAR ON MASTERING AI AGENTS



SRIYAM - 2K24



Signature Day



MOU's

S.No	Name of the MOU	Date of signed
1	DADB	26 06 2025
2	Airport Authority of India	28 10 2024
3	Supraja Technologies	30 11 2024
4	Brain vision Solutions India Pvt Ltd	17 09 2024
5	Founders Lab Pvt Ltd	18 07 2024
6	EduSkills Foundation	05 11 2022
7	SattvaQ IT Solutions Pvt Ltd	26 10 2022
8	ACIC-KL Startups Foundation	05 08 2023
9	PupilFirst Pvt Ltd	09 10 2023
10	ExcelREdtechPvt Ltd	10 10 2023
11	Cybersecurity center of exllence,Telangana	12 10 2023
12	CSC Academy	21 12 2023
13	ICT Academy	03 12 2022
14	T-Tribe	20 07 2021
15	Nilaya Architects, Structural Consultants& Constructions	01 07 2022
16	Global Navigators Overseas Education Consultants	16 11 2022
17	Student Tribe	09 01 2025
18	Board of Apprenticeship Trainings	23 01 2025
19	Youth for Seva	07 03 2025
20	KauntamKruX	28 03 2025
21	InnovatioHub(Robotic Research & development centre	10 07 2025

PLACEMENTS



The ECE department achieved a strong placement record, successfully placing 46 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	15	4 LPA
2	ARTECH	1	4.6 LPA
3	CADSYS	3	3.17-3.43
4	CONGIZANT	3	4.5 LPA
5	INTELLIPAAT	2	9 LPA
6	KNACK TECH	1	6 LPA
7	LEARNFLU	4	6 LPA
8	MGH INFRASTRUCTURES	1	6 LPA
9	MPHASIS	2	4 LPA
10	RINEX TECHNOLOGIES	6	10 LPA
11	SAVANTIS SOLUTIONS	1	4 LPA
12	SMART BRAINS	4	2.7 LPA
13	SUTHERLAND GLOBAL	1	2.7 LPA
14	VIRTUSA	1	2.6 LPA
15	WORKOHOL	1	5 LPA

Placement of outgoing students during the Academic year 2024- 2025

S.No	Roll No	Student Name	Company Name	Package (LPA)
1	21VE1A0401	Sandhya Arru	Academor	4
2	21VE1A0405	Amuka Sai Kiran	Smart Brains	2.7
3	21VE1A0407	Sai Hruthik Bachu	Academor	4
4	21VE1A0417	Shashank Chittipalli	Academor	4
5	21VE1A0422	Dongapure Keerthi	Learnflu	6
6	21VE1A0424	Errabelly Praneeth Babu	Cognizant	4.5
7	21VE1A0428	Nikhitha Godha	Learnflu	6
8	21VE1A0429	Lokesh Golconda	Academor	4
9	21VE1A0430	Golkonda Aishwarya	Learnflu	6
10	21VE1A0431	Gummadi Narendher	Smart Brains	2.7
11	21VE1A0438	Kalyani Bijjula	Rinex Technologies	10
12	21VE1A0441	Kukutlapally Thanuja	Academor	4
13	21VE1A0442	Medhini Dhori	Academor	4
14	21VE1A0445	Varshaa N	Academor	4
15	21VE1A0448	Abhinay Narmeta	Mphasis	4
16	21VE1A0451	Patharla Yedu Vamshi	Knack Tech	6
17	21VE1A0456	Saikam Neha	Smart Brains	2.7
18	21VE1A0458	Syed Aris Hussain	Rinex Technologies	10
19	21VE1A0459	Syed Nooruddin Quadri	Virtusa	2.6
20	21VE1A0460	Bala Rohit Reddy Thumma	Mphasis	4
21	21VE1A0464	Srilekha Adusumilli	Intellipaat	9
22	21VE1A0465	Akendra Bogati	Cadsys	3.3

23	21VE1A0475	Budati Venugopal Reddy	Smart Brains	2.7
24	21VE1A0480	Rahul Chimarla	MGH Infrastructures	6
25	21VE1A0481	Srichandana Dasaradhi	Cadsys	3.43
26	21VE1A0485	Varshini Ganji	Academor	4
27	21VE1A0488	Hemanth Goshika	Workohol	5
28	21VE1A0489	Vinay Kumar Gundu	Academor	4
29	21VE1A0496	Neeraja Kakunuri	Rinex Technologies	10
30	21VE1A04A0	Anupam Ram Mohan Chary Kommoju	Sutherland Global	2.7
31	21VE1A04A1	Chaithanya Kota	Cognizant	4.5
32	21VE1A04A3	Madhu Manasa Muddamsetty	Savantis Solutions (HCL)	4
33	21VE1A04A5	Ashok Maloth	Academor	4
34	21VE1A04A6	Mina Endroju	Academor	4
35	21VE1A04A8	Vennela Mungi	Academor	4
36	21VE1A04B0	Swetha Nakarikanti	Academor	4
37	21VE1A04B4	Akash Papala	Cognizant	4.5
38	21VE1A04B6	Preethika Chiratla	Rinex Technologies	10
39	21VE1A04B8	Vishwanth Rahul Rayasam	Rinex Technologies	10
40	21VE1A04B9	Srilekha Sangem	Academor	4
41	21VE1A04C1	Sri Harshini Siddam	Intellipaat	9
42	21VE1A04C7	Yannam Vinay	Cadsys	3.17
43	22VE5A0404	Chiliveru Nisha	Academor	4
44	22VE5A0410	Trishita Macha	Rinex Technologies	10
45	22VE5A0411	Manda Shivani	Learnflu	6
46	22VE5A0413	Yamuna Seetha	Artech	4.6



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
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