



SREYAS

INSTITUTE OF ENGINEERING AND TECHNOLOGY

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



IEEE SREYAS
STUDENT BRANCH



TECH-ZINE

2023

MARCH-AUGUST

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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.

VISION

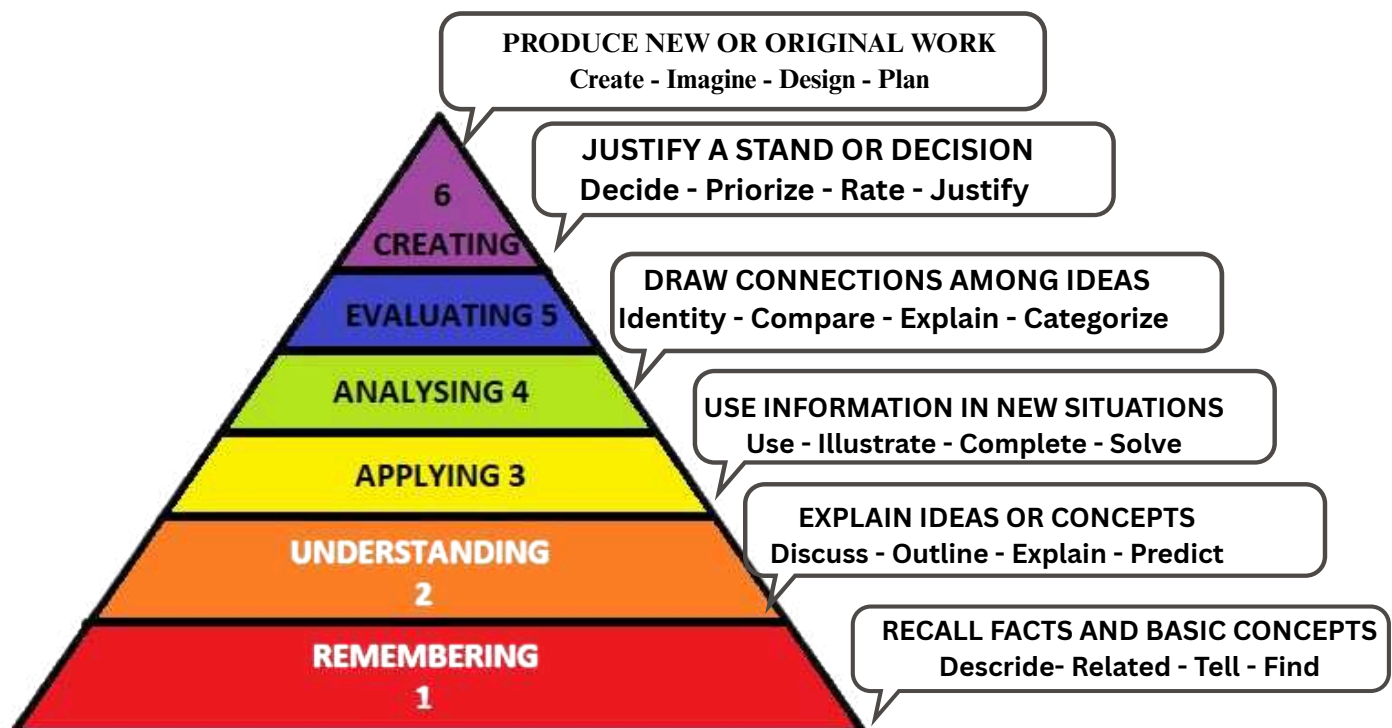
To excel in electronics & communication engineering education with the knowledge of innovation, research and ethics.

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 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.



STUDENT CERTIFICATIONS



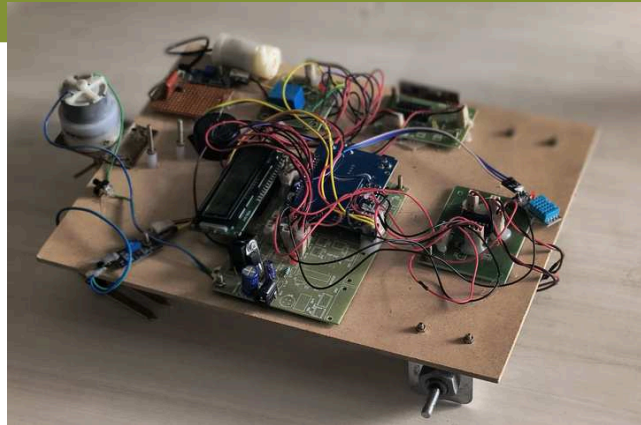






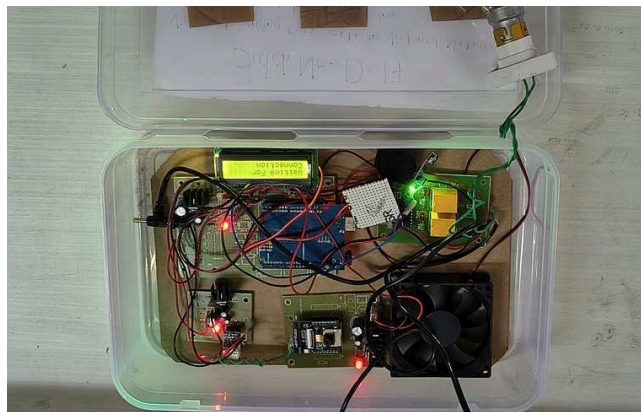


STUDENTS INNOVATIONS



TITLE: GESTURE CONTROLLED WIRELESS AGRICULTURAL WEEDING ROBOT

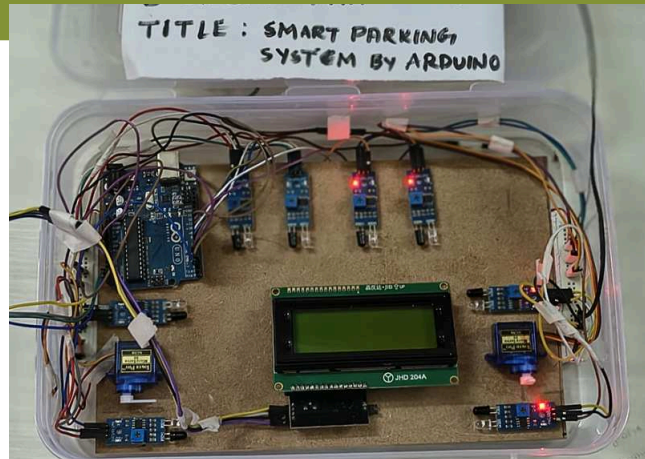
The Gesture Controlled Wireless Agricultural Weeding Robot is designed to help farmers remove weeds efficiently using hand gestures for control. It operates wirelessly, reducing the need for manual labor in the field. This innovation enhances precision and ease in modern farming practices.



TITLE: IOT BASED INDOOR SMART FARMING SYSTEM FOR EFFICIENT GOOD GROWTH

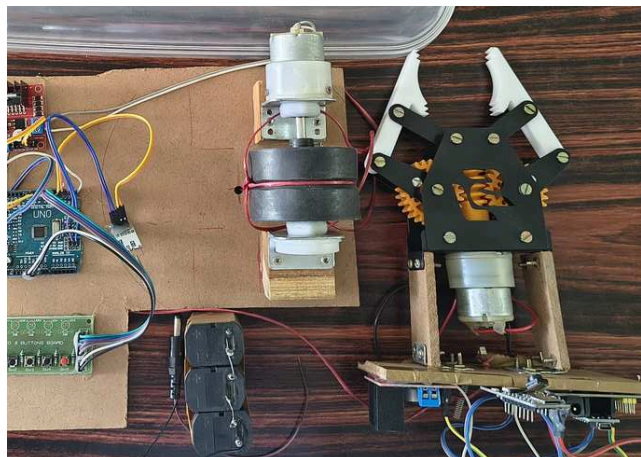
The IoT-Based Indoor Smart Farming System enables real-time monitoring and control of environmental factors like light, humidity, and temperature. It ensures optimal conditions for plant growth, leading to higher efficiency and better yield. This system promotes sustainable and technology-driven indoor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

STUDENTS INNOVATIONS



TITLE: SMART PARKING SYSTEM BY ARDUINO

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



TITLE: IMPLEMENTATION OF CHILD RESCUE SYSTEM FROM BOREWELL USING ZIGBEE

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

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CULTURAL DAY



Cultural Day at Sreyas College

— A Celebration of Talent, Diversity, and Heritage

As part of the vibrant three-day Annual Day celebrations at Sreyas College, Cultural Day stands out as a spectacular showcase of creativity, tradition, and unity. This eagerly awaited day provides students with a platform to express their artistic talents and celebrate the rich diversity that defines our campus. Cultural Day is more than just a series of performances — it is a colorful tapestry woven with dance, music, drama, fashion shows, and traditional art forms. Students from all departments come together, crossing academic boundaries to collaborate and create moments of joy and inspiration. Each performance reflects the passion, practice, and pride of our student community.

SRIYAM 2K-24



Annual Day Celebrations at Sreyas College

— A Grand Tribute to Excellence and Expression

The Annual Day celebrations at Sreyas College are one of the most anticipated events of the academic calendar, bringing together students, faculty, and parents in a grand three-day festivity filled with pride, passion, and performance. This event is not only a celebration of academic and extracurricular achievements but also a reflection of the vibrant spirit and unity of our college community.



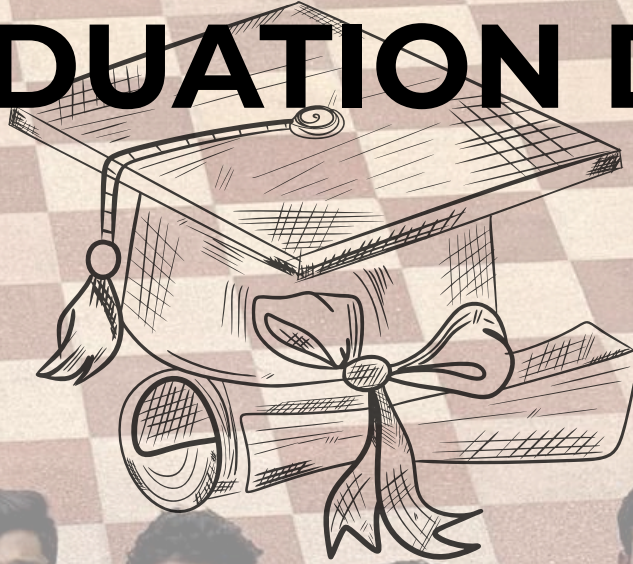
Signature Day



Signature Day at Sreyas College
— A Day of Memories, Messages, and Meaningful Goodbyes
Among the many cherished moments in a student's life at Sreyas College, Signature Day holds a special place in every final-year student's heart. It's not just a day; it's a beautiful reminder that an unforgettable journey is coming to an end — filled with laughter, learning, friendships, and growth.



GRADUATION DAY



MOU's

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





WORLD CLASS TECHNICAL CAMPUS

-WITHIN THE CITY



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Head of the Department :	Dr. N. Murali Krishna, PhD. , Professor Ph: 9885837534, E-mail: muralikrishna.n@sreyas.ac.in
Editor In-Charge :	Mr. S V Maruthi Rao Chinnam, MS - ES & Robotics, Associate Professor Ph: 9177656868, E-mail: maruthirao.chinnam@sreyas.ac.in
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