



SANSKRITHI SCHOOL OF ENGINEERING

Behind SSSS Hospital, Beedupalli knowledge park, Prasanthigram, Puttaparthi - 515134
Affiliated by JNTUA & Approved by All India Council for Technical Education (AICTE), www.sseptp.org

EXPERIENTIAL LEARNING

Engineering education attains its full structure through the culmination of a real-time project, which can take the form of a prototype model or active involvement in an industry project. The former is supervised solely by academic professors, while the latter involves co-guidance from industry partners. The primary objective of this teaching approach is to provide students with a comprehensive understanding of work culture and foster their adaptability within industrial environments.

a) MINI PROJECT:



**Fig: 1. Mini project done by Computer Science & Engineering students on
“FACE EXPRESSION DETECTION”**



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Fig 2: Mini project done by 3rd year Electrical and Electronics Engineering students on “VOLTAGE REGULATOR”



Fig 3: Mini project done by 3rd Civil Engineering students on” PANTOGRAPH MECHANISM”



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Fig 4: Mini project done by Civil engineering students on “ACCIDENT DETECTOR”

b) MAJOR PROJECT:

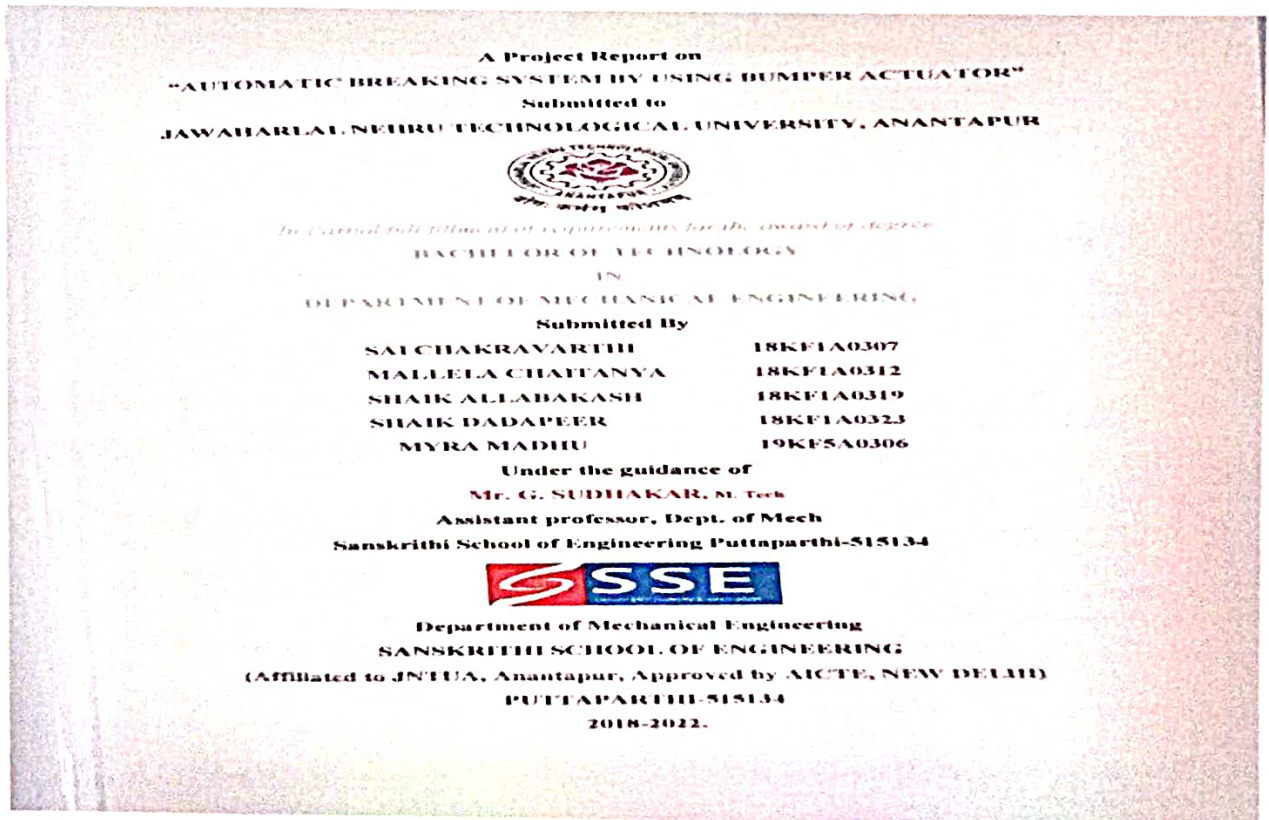



Fig 5: Report on “AUTOMATIC BREAKING SYSTEM BY USING BUMPER ACTUATOR” done by final year mechanical students during academic year 2018-2022.




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A PROJECT REPORT
ON

"Providing efficient cloud resources using dual access control mechanism"

SUBMITTED TO



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR
THE AWARD OF THE DEGREE OF
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

A. VINITHA	18KFTA0504
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UNDER THE GUIDANCE OF

Mr. Yuvaraj Naik, M.Sc.,
Assistant Professor



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SANSKRITHI SCHOOL OF ENGINEERING
(Affiliated to JNTUA, Anantapur, Approved by AICTE, NEW DELHI)
PUTTAPARTHI-515134
2018-2022.

Fig 6: Report on providing "EFFICIENT CLOUD RESOURCES USING DUAL ACCESS CONTROL MECHANISM" done by final year CSE students during academic year 2018-2022.



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**A PROJECT REPORT
ON
SMART IRRIGATION SYSTEM USING MULTIPLE SENSORS**
A Project Report
(Submitted in partial fulfillment of the requirements for the award of the degree of)
BACHELOR OF TECHNOLOGY
in
ELECTRONICS AND COMMUNICATION ENGINEERING
by
B VISHNU (15KFLA0403)
B LOKNATH (15KFLA0405)
P HEMANTH (15KFLA0435)
S THOUSEFULA (15KFLA0444)
V CHANDRA SEKHAR REDDY (15KFLA0448)

Under the Esteemed guidance of
Mrs. RAJANI KUMARI M.Sc.
Assistant professor

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SANSKRITHI SCHOOL OF ENGINEERING, PUTTAPARTHI
PUTTAPARTHI- 515134, ANANTHAPUR (DISTRICT)
ANDHRA PRADESH - INDIA
(2015 – 2019)

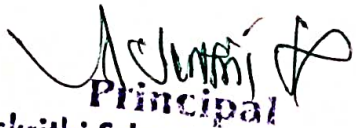
Fig 7: Report on “SMART IRRIGATION SYSTEM USING MULTIPLE SENSORS” done by final year ECE students during academic year 2015-2019.

2) INTERNSHIP

An internship offers students the valuable opportunity to explore and develop their careers while acquiring new skills. Some of the key benefits of an internship are:

1. **Exposure to the Industrial Environment:** Internships provide technical students with firsthand experience in the industrial setting, which cannot be replicated in a classroom. This exposure helps in cultivating competent professionals who are well-prepared for the demands of the industry.
2. **Real-Time Skill Development:** Internships offer a platform for students to learn, understand, and enhance their technical and managerial skills in a practical setting. It allows them to gain proficiency in the skills required for their future job roles.




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3. Keeping Abreast of Technological Developments: By engaging in an internship, students are exposed to the latest technological advancements that are relevant to their area of training. This exposure ensures that they stay updated with current industry trends and practices.
4. Application of Classroom Knowledge: The experience gained during an industrial internship becomes a valuable resource for classroom discussions. Students can draw upon their real-world experiences and insights to enrich classroom learning.

Annually, approximately 240 students from various departments participate in internships with different companies. The certificates obtained by these students serve as proof of their successful completion of the internship program.



Fig 8: Internship certification of Electronics and Communication Engineering students

Student name: SravanthiPallaiahgari

Title : JAVA programming

Duration : 30 days



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Fig 9: Internship certification of Mechanical Engineering students

Student name: karthikchakala

Title : Robotic Rrocess Automation (RPA)

Duration : 90 days




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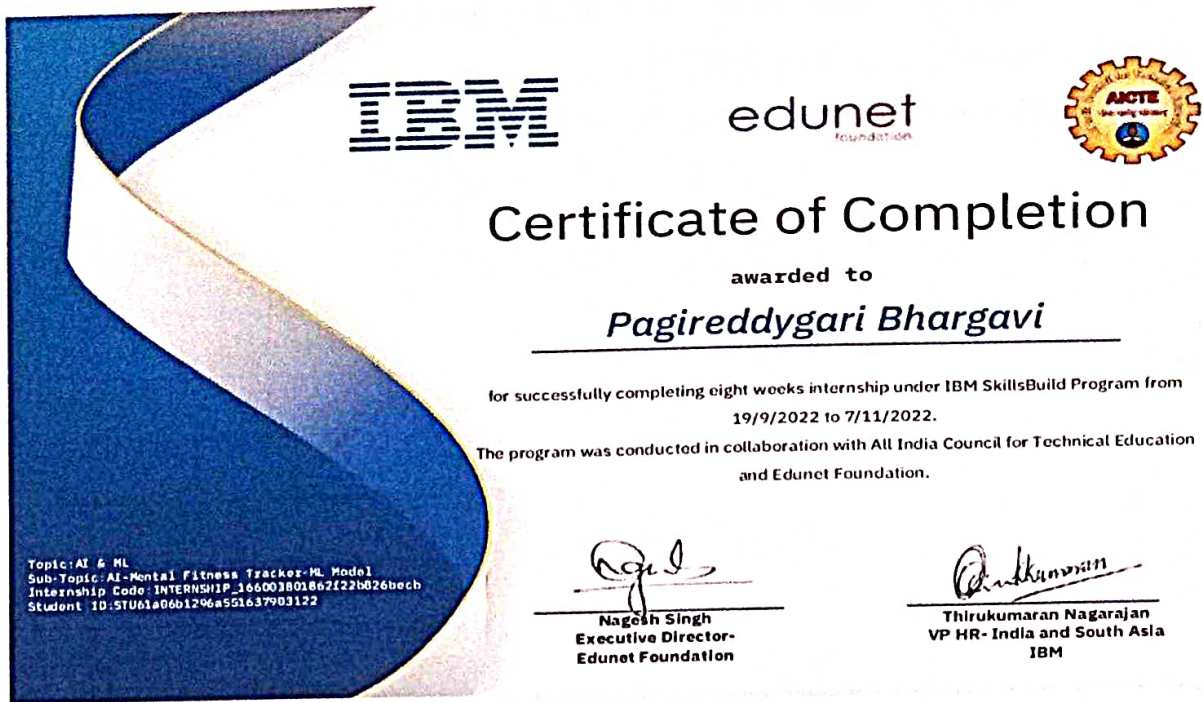


Fig 10: Internship certification of Computer science and Engineering students

Student name: pagireddygaribhargavi

Title : AI & ML

Duration : 60 days

3)INDUSTRIAL VISIT

Industrial visits or educational visits provide students with a valuable opportunity to gain exposure to real working environments and develop a practical understanding of theoretical concepts relevant to their respective domains.

In the specific instance of the III B.Tech II Semester Students of the Computer Science & Engineering (CSE) department, they visited the U.R.RAO Satellite Center on 10.01.2022. Accompanied by Dr. A. Senthil Kumar, Principal of SSE, and Mr. Mahendra M, Head of the Department of Computer Science & Engineering, the students were cordially invited by Dr. Srinivasan, a Scientist at U.R.RAO. During the visit, approximately 60 students were taken to a seminar hall where they were provided insights into the growth of ISRO, starting from Aryabhata (India's first satellite) to Gaganyaan (India's upcoming human spaceflight mission).



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Additionally, as part of an industrial visit, the mechanical engineering students visited M.G. Metallic Springs Pvt Limited in Anantapur on 11.08.2018. A group of 37 students from both III B.Tech and IV B.Tech, accompanied by two faculty members, participated in this visit.



Fig 11: Industrial visit to “U.R.RAO SATELLITE CENTER” by CSE students on 10.01.2022



Fig 12: Industrial visit to “SRISAILAM RIGHT BANK POWER HOUSE” by EEE students on 23.04.2022



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Fig 14: one day guest lecture on “ TALK ON IGNITING YOUNG MINDS” by Mr. RAMAKOTAPALLY, founder, t-silicon, Bangalore on 07-08-2021.



Fig 15: guest lecture on “CAREER AWARENESS” by Mr. SUSHANT SHARMA on 02-05-2022.



Fig 16: Guest lecture on “AI& ML” by Mr. VIJAY PAVAN PULI



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Fig13 : Industrial visit to "M.G.METALLIC SPRINGS PVT LIMITED" on 11.08.2018

4) GUEST LECTURE

Guest lectures are a valuable concept that enriches students' knowledge by providing them with additional insights. These lectures offer alternative perspectives, opinions, and personal experiences that complement the teachings of regular instructors.

In line with this, the Department of Electrical and Electronics Engineering (EEE) at Sanskriti School of Engineering, Puttaparthi, organized a one-day workshop on "Demand of Electric Vehicle in the Automotive Domain" on 26-03-2022. The workshop featured Mr. KuruvvaVeranna, an R&D engineer from the Technology Center of the Electrical Research and Development Association (ERDA) located in Baroda, as the resource person.



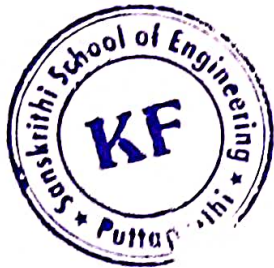
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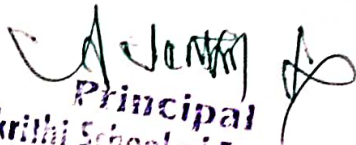


Fig 17:Guest lecture on “PROTOTYPE DEVELOPMENT,PHRASES, CATEGORIES”.

Guest Lecture Topic: PROTOTYPE DEVELOPMENT,PHRASES, CATEGORIES

Resource Person :Mr. VENUGOPAL SWAMY, BHP Billiton, Austria




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