



MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE, Permanently Affiliated to JNTUH)

Recognized under Section 2(f) & 12(B) of the UGC Act 1956, An ISO

9001:2015 Certified Institution.

Maisammaguda, Dhulapally, post via Kompally, Secunderabad - 500100

DEPT.OF CSE-DS &AI&DS

(**True success is all about working towards meaningful goals and dreams**)

Report



A

REPORT ON

“NEWS LETTER RELEASE”

PARTICIPANTS

ALL CSE-DS AND AIDS STUDENTS

19-09-2024 @ 1:30PM-4:00PM

ALL ARE CORDIALLY INVITED !!!

PREPARED BY
T.NAGA PRAVEENA,ASST.PROFESSOR,MRCE



CSE-DS, AI&DS DEPARTMENT ORGANISED NEW LETTER RELEASE

BEACON VOLUME -1



**ALL CSE-DS, AI&DS STUDENTS GATHERED IN THE
SEMINAR HALL FOR THE OCCASION OF NEWLETTER
RELEASE**



**On The Hands Of Principal Dr.M.ASHOK News Letter
Beacon-Volume-1 Had Released**



**CSE-DS, AI&DS FAULTY AND INNOVISTA TEAM
WITH PRINCIPAL AND VICE PRINCIPAL**



CSE-DS,AI&DS FAULTY AND INNOVISTA TEAM



MALLA REDDY COLLEGE OF ENGINEERING

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DEPARTMENT OF CSE(DS) & AI-DS

INNOVISTA-BEACON

Volume 01



*"Coming together is a beginning, staying together is progress,
and working together is success."*

PRINCIPAL



Dr. M. Ashok

Dr. M. Ashok, a PhD in Computer Science specializing in Digital Image Processing, is a distinguished educator with multiple awards. He has published seven books, 43 research articles, five patents, and actively guides PhD scholars while leading various educational initiatives. Dr. M. Ashok has a kind and approachable demeanour, and he maintains a healthy and productive relationship with all stakeholders, including students, parents, employees, management, and other stakeholders. He encourages the faculty and students to succeed in their endeavours.

VICE PRINCIPAL



Dr. T.V. Reddy

Dr. T.V. Reddy is an accomplished educator with extensive leadership experience. A strategic thinker with a strong results focus, he is also an effective communicator and collaborator, skilled at building relationships and achieving goals. Passionate about education, Dr. Reddy is dedicated to providing students with the best learning experiences, fostering engagement among students and educators to meet objectives and promote holistic growth. He maintains a kind, approachable demeanor, building productive relationships with students, parents, employees, and management, while encouraging faculty and students to succeed.

HEAD OF THE DEPARTMENT



DR.J.GLADSON MARIA BRITTO
HOD CSE-DS & AI-DS

Dr. J. Gladson Maria Britto is the esteemed Head of the Department of CSE-DS and AI-DS at Malla Reddy College of Engineering. With a deep passion for advancing the field, Dr. Britto has been instrumental in fostering a culture of innovation and research within the department. Under his leadership, the Data Science department has seen significant growth, equipping students with cutting-edge knowledge and practical skills to excel in the ever-evolving tech industry. His dedication to academic excellence and student success makes him a highly respected figure in the college.

Aspire & Inspire

ABOUT THE DEPARTMENT

” ENGINEERING IS NOT ONLY THE STUDY OF THE TECHNICAL ASPECTS BUT ALSO ABOUT MANAGING PEOPLE AND PROJECTS EFFECTIVELY ”

The Department of Computer Science and Engineering (Data Science) at MRCE, established in 2020, has rapidly expanded its intake from 60 to 240 students due to the growing demand for Data Science professionals. Our advanced curriculum provides comprehensive training in data analysis, statistics, big data, visualization, machine learning, and artificial intelligence, preparing students to excel in these critical areas. We aim to integrate cutting-edge data science research and methods into our educational framework, equipping both faculty and students with the skills necessary for pioneering research and impactful contributions.

As data science continues to evolve with the advent of big data, our program focuses on transforming complex, real-world problems into solvable mathematical challenges using diverse scientific tools. By emphasizing mastery in these areas, we strive to cultivate the next generation of leaders who will leverage data-driven insights to address global challenges and drive future discoveries.



VISION

- To impart futuristic knowledge in Computer Science and to produce highly skilled, imaginative and socially mindful experts who can contribute to industry and architect research fit for working in worldwide condition.

MISSION

- To promote academic growth through strong domain knowledge and cutting-edge technology for excellence in research and development.
- To foster analytical skills and proficiency in advanced programming languages using modern tools to prepare for higher studies.
- To encourage teamwork through collaborative projects and enhance communication and interpersonal skills for improved employability.
- To uphold high ethical standards and societal commitment.

OBJECTIVES

- To equip students to understand and apply engineering concepts across various domains.
- To provide knowledge-based services using modern tools to meet societal and industry needs.
- To develop skills in software design and development to enhance employability.
- To foster interest in higher studies and ethical practices through research dissemination.

OUTCOMES

- Develop expertise in analyzing and creating computer programs, focusing on algorithms and system software.
- Apply best practices in software development to deliver high-quality, defect-free products.
- Utilize modern programming languages and technologies to enhance employability and readiness for research.

EDITORIAL BOARD MESSAGE :

Data science has revolutionized the way we interact with the world around us, providing a deeper understanding of complex phenomena. Our data science program empowers students to become experts in data analysis and visualization, enabling them to uncover hidden patterns and trends. I am continually impressed by the creativity and resourcefulness of our students. They have consistently demonstrated their ability to utilize various data analysis tools and techniques to produce insightful visualizations that effectively communicate complex information

Data science has become an indispensable tool for businesses and organizations seeking to gain a competitive edge. Our data science program provides students with the necessary skills and knowledge to harness the power of data and drive meaningful insights. I am incredibly proud of the accomplishments of our students. They have consistently demonstrated their ability to translate data into actionable insights, contributing to strategic decision-making and driving innovation within various organizations. The demand for skilled data scientists is growing exponentially, and our graduates are well-prepared to meet this demand.



Ms. M. Naga Sravya



Mrs. T. Naga Praveena

FACULTY INFO:



**Dr. J. Gladson Maria
Britto**



Mrs. E. Pavithra



Mr. M. Radhakrishnan



Mrs. T. Naga Praveena



Ms. M. Naga Sravya



Mrs. B. Swathi



Mr. V. Tharmalingam



Mrs. D. Kranthi Deep

FACULTY INFO:



Mr.Akash Dey



Ms.N.Malashree



Mrs.PV.Harika



Mr.R. Ravi



Mr.Sajin R Nair



Mrs.K.Sravanthi



Mr.CH.Rajesh



Mr.Harish Kumar

FACULTY INFO:



Mrs.P.Lirina



Mr.CH.Kumarswamy



Mrs.M.Bhagya Lakshmi



Mrs.Afreen Begum



Mr.Anoop Kumar



Mrs.V. Mounica



Mrs.T.Mounika

STUDENTS ACHIEVEMENTS :



- **MR. SYED MINHAJ UDDIN** from AI&DS got 3rd prize in National level and Second prize in International KARATE championship in NEPAL on 26-5-24.

PATENTS:

- Dr. James Gladson Maria Britto has made significant contributions in the field of intellectual property with several patents granted through Intellectual Property India.
- Notable patents include an "Automatic Door Buzzer Alert for Home Security System" (May 2022), an "AI-Based Plant Extract Analyzing Device to Identify Disease" (May 2023), and a "Wind/Solar Power Charging Station for Vehicles" (May 2023).
- Additionally, he has been credited with innovations such as an "Intelligent Parking System with Cost Analysis for the Customer" (February 2022) and an "AI-Based Smart Automated Attendance Monitoring System Using Face Recognition" (January 2022).
- His earlier work includes the "Advanced Adjustable Water Resistant Ultrasonic Based Blind Stick with GPS Tracking" and "Holistic Database Management for Citizens" (both April 2021), as well as a "System for Consumption and Generating Power Through the Flow of Water" (February 2019).
- M.Naga Sravya's patents include "Smart Billing Basket with Predictive Modelling and Deep Learning" (September 2022).
- A.Mohaideen has patented a "Machine Learning Based Approaches for Identification and Prediction of Multiple Myeloma" (September 2023).
- Ravi Kumar's recent patents include "Integration of Image Processing with Machine Learning Based Approaches for Plant Health and Disease Detection," "A Smart Home Energy Management System Using Artificial Intelligence and Internet of Things," and "Intelligent Charging Station for E-Vehicles Based on Internet of Things," all granted in October 2023.
- D. Kranthi Deep has also made noteworthy contributions with patents such as "A Novel Approach to Greenhouse Automation Using Internet of Things and Deep Learning" (October 2023) and "A Novel Approach to DNA Sequence Classification Machine Learning and Pattern Matching" (May 2024).
- PV. Harika's patent, "Emergency Prevention in Hydroelectric Dams: A Time Series Forecasting Approach Using Machine Learning," was granted in May 2024.
- K Sravanthi's patent for an "AI-Based Robotics Device for Inventory Management" was documented on the Google Patents platform.

RESEARCH & ACHIEVEMENTS:

- In May, A Mohaideen published a journal article titled "Review Article On COVID-19 Outbreak Prediction Using ML Algorithm," available on IEEE Xplore.
- Dr. James Gladson Maria Britto contributed to the Scopus Journal with a paper on "Deep Learning Based Multi Disease Classification of Plant Leaves using Light Weight Residual Architecture," which appeared in the International Journal of Electrical and Computer Engineering (IJECE), Vol. 14, No. 4, August 2024.
- E. Pavithra published research papers on "Technology Blockchain using Python", "Final year Project Managing System to monitor student performance" and "Secure Software Development based on Comprehensive Framework".
- M.Naga Sravya completed NPTEL courses on "Deep learning" and "Natural Language processing".
- M. NAGA SRAVYA concluded the "INTRODUCTION TO SOFT COMPUTING" course, all on NPTEL and has achieved SILVER medal.
- T. Naga Praveena finished the NPTEL course on "PYTHON FOR DATA SCIENCE," while K. PARIJATHA completed a similar course titled "PYTHON FOR DATA SCIENCE".
- Dr. J Gladson Maria Britto published a SCOPUS article in March on "FREQUENCY DOMAIN FEATURE STATISTICS FOR CARDIOVASCULAR DISEASE DIAGNOSIS ON LOW-COMPUTATIONAL DEVICES," featured in the Grenze International Journal of Engineering & Technology.
- In January, Dr. James Gladson Maria Britto also published a Scopus paper titled "Efficient Deep Learning Architecture for the Classification of Diseased Plant Leaves," available on IJECS.
- M.Naga Sravya,P.Amulya,K.Parijatha,T. Naga Praveena together contributed to the Scopus Journal in December 2023 with a study on "The Classification and Segmentation of Pneumonia Using Deep Learning Algorithm: A Comparative Study."
- In November 2023, A Mohaideen published an online book titled "Object Oriented Programming Using JAVA."
- Dr. James Gladson Maria Britto authored a Scopus article in October on "Machine Learning In Drug Discovery: Accelerating Drug Development," available on the Seybold Report.
- In September 2023, A Mohaideen, K. Parijatha, and M. Radhakrishnan completed the NPTEL course "Data Base Management System."
- P. LIRINA completed the NPTEL course on "DIGITAL SYSTEM DESIGN" in May.

FACULTY ACHIEVEMENTS:



Best teacher
(Academic year 2022-2023)
- M. Naga Sravya



Best teacher
(Academic year 2023-2024)
- Mrs.E.Pavithra

GUEST LECTURE:



- Mrs .T.Naga Praveena has given a guest lecture on BASIC COMPUTER SKILLS conducted during 11th january 2024 at Malla Reddy Institute of Technology.

Hyderabad, Telangana, India

Malla Reddy Hospital Rd, Venkatarama Colony, Suraram, Hyderabad, Telangana 500043, India

STUDENT DETAILS:

COLLEGE LEVEL DEPARTMENT TOPPERS

ACADEMIC YEAR(2020-2024)-1ST DATA SCIENCE BATCH



BATHINI BHUVANA

21Q95A6701

CGPA-8.02



POOJSALA NEERAJKUMAR

20Q91A6736

CGPA-7.90



PENDYALA SAI CHARAN

20Q91A6739

CGPA-7.81

PROGRAMS :



NPTEL

The National Programme on Technology Enhanced Learning (NPTEL) is a joint initiative between the Indian Institutes of Technology (IITs) and the Indian Institute of Science (IISc) that offers free online courses in science, engineering, and humanities. It operates an educational YouTube channel covering engineering, basic sciences, and some humanities and social science subjects.



All India Council for Technical Education AICTE-SLA (PARAKH) project has been designed to measure the benchmark levels and gains in academic and higher-order thinking skills of students and faculties to understand the various factors that affect skill development in Technical Institutes across India. The Student Learning Assessment – PARAKH is an initiative to bridge the gap between Academics and Industry by providing a platform for self assessment.

Academic Years	Programs Attended		
	AICTE PARAKH	NPTEL	Online Certifications
2024-25**	309	2	75*
2023-24	-	2	1211
2022-23	-	4	309

LIST OF EVENTS:

- **MOU- BRAIN O VISION(17-8-23)**
- **AI DAYS (26-03-24)**
- **POWER BI-DVT (2-9-23)**
- **TECH HUB INAUGRATION (10-11-23)**
- **PROBLEM SOLVING EVENT(10-11-23)**
- **AWS WORKSHOP(19-12-23)**
- **IEEE AWARENESS SESSION - STUDENTS & FACULTY (4-12-23)**
- **INTERNAL HACKATHON (19-12-2023)**
- **SMART INDIA HACKATHON (19-12-2023)**
- **DATA SCIENCE USING PYTHON(19-12-2023)**
- **BIG DATA TECHNOLOGIES (8-1-24)**
- **CAREER INSIGHTS &INDUSTRY KNOWLEDGE (27-03-24)**
- **BLOCK CHAIN TECHNOLOGY & ITS APPLICATIONS (29-05-24&29-05-24)**
- **PRESNTATIONS ON VARIOUS TECHNOLOGIES (29-05-24)**
- **NATIONAL SKILL DEVELOPMENT COURSE (50 DAYS).**
- **ETHICAL HACKING AND CYBER SECURITY (21-06-24)**

INAGURATION OF INNOVISTA:



Innovista, an initiative launched by the Department of Computer Science and Engineering - Data Science (CSE - DS) and the Department of Artificial Intelligence and Data Science (AI&DS) at MRCE College, has emerged as a premier platform dedicated to nurturing intellectual curiosity and advancing skill development among students. By organizing a diverse range of events, including Technical, Non-Technical, and Hackathon activities, Innovista aims to create an environment where students can apply theoretical knowledge in practical scenarios, collaborate with peers, and innovate solutions to real-world problems.

This vibrant ecosystem not only enhances technical proficiency but also fosters soft skills and team dynamics, preparing students for future career challenges and opportunities in an ever-evolving technological landscape. Through workshops, seminars, competitions, and collaborative projects, Innovista actively supports the holistic growth of students, bridging the gap between academic learning and industry requirements.

SKILL DEVELOPMENT PROGRAM:

- First round : presenting new ideas
- Second round: QUIZ (based upon amplitude, general knowledge and some computer languages)
- Last round is coding (in C ,python, java).



- Winners were awarded with cash prize.

SPACE DAY EVENT:

- Enthusiastically celebrated 1st National Space Day (2024) and won 1st prize.



FRESHMAN INDUCTION



IDEATHON



AWS (3 - DAY) HACKATHON:

19-12-23 to 21-12-23 the workshop sessions was conducted.

The hackathon were started on 22-12-23 at 10.30 am and completed on 23-12-23 10.30 A.M.

24 HOURS HACKATHON

- 3 labs(60 capacity with internet connection) - 4 days.
- Introduction of the workshop(DAY-1).



How to work with AWS(DAY-2)?



24 hours Hackathon has been started(DAY-3)



Campfire during the 24 hours Hackathon

Successfully completed 24 hour workshop (DAY-4)

AWS HACKATHON :

- **Winners**



- **Runners**



SMART INDIA HACKATHON:

Internal Hackathon(2023)



An internal hackathon was conducted to select students for Smart India Hackathon.

Students are selected for GRAND-FINALE of SIH conducted in Nagpur(2023).



Internal Hackathon(2024)



MOU(BRAIN-O-VISION):



A Memorandum of Understanding (MOU) with Brain-O-Vision signifies a formal collaboration between two parties, aimed at fostering cooperation in fields such as artificial intelligence, computer vision, or related technologies. This partnership typically outlines shared goals for research, innovation, and knowledge exchange.

GRADUATION DAY (2020-2024):



FRESHERS 2024:



Conducted freshers day event for the batch (2023-2027) on May 8th 2024.

WOMEN'S SAFETY

As we know that we got freedom in the year of 1947, but women don't. Recently, we have completed our 78th Independence Day, and just the day before it, we lost our sense of direction in the fight for gender equality. Every day and every minute some women are getting harassed and violated of various place all over the country. There is a big list of crimes against women in India. Such as, acid attack, domestic violence. Women face many challenges, including unequal pay, limited opportunities and gender - based violence. In society, we are treated as sweets of box, didn't we? In amazing society, minds are dirty and we are supposed to cover ourselves? What kind of justice is this? Beyond Education and Legal measures, creating space for women is essential. In addition, pro-active measures it is crucial to address the root causes of violence against women, such as gender inequality, social norms. Ensuring women's safety is not merely a matter of protection; it is a fundamental human right there must be upheld in all aspects of society. A married woman stays in abusive relationship because of the fear of society. As there is no safety in the mother womb, then where women has safety after fall out from mother womb. The safety of women simply start from home and now-a-days there is no safety from women to women. Also, there is no age issues for crimes and all. And this is sad reality of our country that all the women and even children are leaving with fear. Neither Government nor the police can change anything in this society. We, the democratic should change ourselves, change our thought of dictatorship. After all, every single citizen can make a Government, but the govt. can't make a one citizen.

WE NEED TO BE SAFE NOT TO BE RAPED!

Gangula Srijia
CSE(DS)
2nd Year

WOMEN'S SAFETY

Women safety is one of the biggest national issues, but it's also one of those things that brings our nation together. Living in India, we have learned how democracy holds a nation together. But what is democracy, when women of our nation don't feel safe? While talking about women's safety our focus immediately turns into what the girl was wearing? Was she outgoing? How many friends did she have? All these things don't really contribute to safety. Yet these questions create a controversy. When we talk about safety, we forget how men play a role in creating a safe place, a safe home and safer workplace. To feel safe is a basic human need. "We fail as society, if we fail to provide safety for the women in our society. We often protest for days until one day we forget about it. Is protesting what we really need? Or to educate men on how important it is to make the other person feel safe. Teaching them the difference between being cool and what actually makes them cool, The difference between right and wrong, good touch and bad touch. How to treat women with respect, as simple as these things sound they reflect on their mindset. Everything starts with the right mindset. If we start to take a step forward by having the right mindset towards women we are half way closer to creating a safer place for everyone. As a society we learn, grow and educate together. Let's fight against everything that's wrong, everything that's unsafe. And creating a better world, a better workspace and safer society for everyone. The more safe we feel, the better we grow, the better we become and the happier we are.

Vishnupriya Peravali

CSE(DS)

2nd year

STUDENT WORKSHOPS

- Conducted Python Workshop(2 days).
- K. SAI CHARAN has participated in "Starting with Aptitude" Workshop(10 hrs) by TalentBattle.
- Conducted big data technology workshop in January(1 week).

STUDENT CERTIFICATIONS

- Python Programming Course
- Full Stack Web development
- Data Analyst and Visualization Course
- Artificial Intelligence Job Stimulation
- Data Structures and Algorithms
- Data Science and Machine Learning
- Data Analyst with Python
- JAVA Object Oriented Programming
- Professional Python
- Introduction to Web Development
- Basics for Data Science
- Data Intelligence

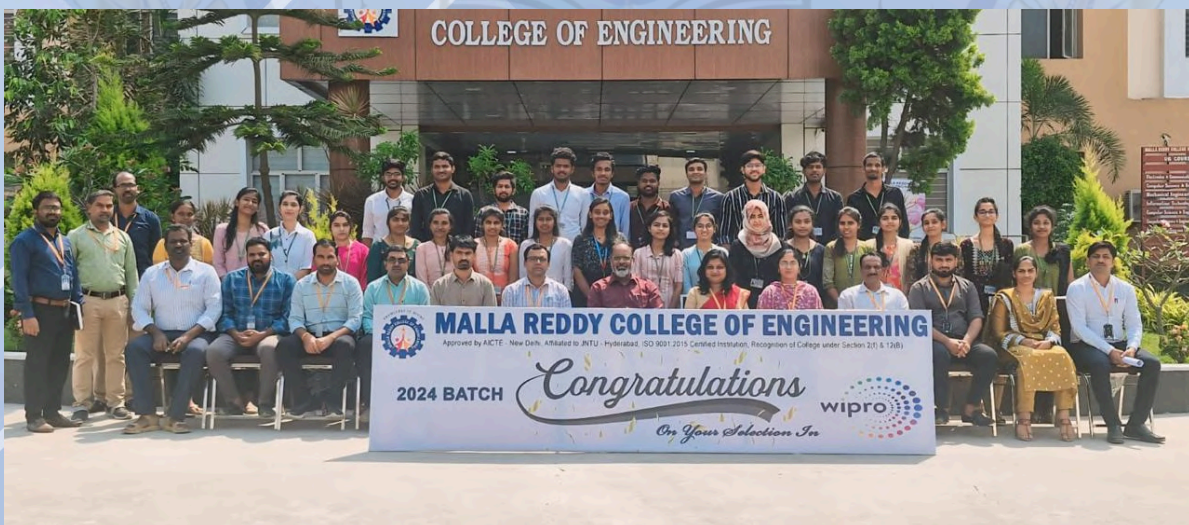
INTERNSHIPS:

<u>Internship Company</u>	<u>Number of Students</u>
Accenture	30
Cognizant	15
YBI foundation	10
Motion cut	10
InternPe	10
Edunet	9
Dev skills hub	12
AICTE	5
Zet peak	6

PLACEMENTS

The Data Science branch at Malla Reddy College of Engineering has shown impressive placement results for the 2020-2024 batch. Many students secured positions in top tech companies, with competitive packages, reflecting the college's strong industry connections and focused training programs.

BATCH (2020-2024):



PLACEMENTS

2024 PLACEMENTS REPORT

SL.NO	ROLL NUMBER	NAME OF THE STUDENT	COMPANY PLACED	PACKAGE (in LPA)
1	20Q91A6703	PATHI VARUN RAJ	ACADEMOR	6.00
2	20Q91A6711	ABBISSETTY PAVAN	ACADEMOR	6.00
3	20Q91A6716	ROHIT SAPATE	INTELLIPAAT	7.25
			ACADEMOR	6.00
			QSPIDERS	3.00
			CONNEQT BUSINESS SOLUTIONS	2.40
			24HR7 COMMERCE PVT LTD	2.40
4	20Q91A6724	B SHIVA NANDHINI	ACADEMOR	6.00
5	20Q91A6730	SANAGALA MANOGNA	ACADEMOR	6.00
			QSPIDERS	3.00
			PENTAGON SPACE	3.00
			WIPRO	2.00
6	20Q91A6734	GOLLA DEVIKA	ACADEMOR	6.00
			WIPRO	2.00
7	21Q95A6705	PUCHAKAYALA SRINIVAS	EDUVERSITY	6.00

7	20Q91A6736	POOSALA NEERAJ KUMAR	TCS	7.00
			ACADEMOR	6.00
			QSPIDERS	3.00
			FOXCONN	3.00
			CONNEQT BUSINESS SOLUTIONS	2.40
8	20Q91A6739	PENDYALA SAI CHARAN	CORIZO	6.50
			ACADEMOR	6.00
			PENTAGON SPACE	3.00
			WIPRO	2.00
9	20Q91A6740	KOPPOL NIKHETHAN GOUD	ACADEMOR	6.00
			CONNEQT BUSINESS SOLUTIONS	2.40
10	20Q91A6741	PUTTA AKHIL KUMAR	CONNEQT BUSINESS SOLUTIONS	2.40
11	20Q91A6742	SRIVASTAVA SANJANA	CONNEQT BUSINESS SOLUTIONS	2.40
12	20Q91A6747	KURAPATHI AASHISH	SITEL	3.20
13	20Q91A6754	KORLA HARSHITHA	INTELLIPAAT	7.25
			PLANETSPARK	6.50
			CORIZO	6.50
			PENTAGON SPACE	3.00
			CONNEQT BUSINESS SOLUTIONS	2.40
14	20Q91A6756	RAHUL SHARMA	CORIZO	6.50
15	21Q95A6701	BATHINI BHUVANA	ACADEMOR	6.00

EDITORIAL BOARD

STUDENTS:



P. Abhiram
3rd year
CSE(DS)



D. Harish Reddy
3rd year
CSE(DS)



S. Vinith Roy
3rd year
CSE(DS)



T. Pankaja
2nd year
CSE(DS)



Ch. Srinidhi
2nd year
CSE(DS)



K. Ram Charan
2nd year
CSE(DS)

FACULTY:

Ms. M. Naga Sravya -Asst.Prof-CSE(DS)

Mrs. T. Naga Praveena -Asst.Prof-CSE(DS)

DEPARTMENT OF CSE(DS) & AI-DS

MALLA REDDY COLLEGE OF ENGINEERING

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**“THE ONLY IMPOSSIBLE JOURNEY IS THE ONE YOU
NEVER BEGIN.”**