

Department of Computer Science Engineering
(Data Science)

DATASPECTRUM

Bi-Monthly News Letter

(JULY-AUGUST)

2026-27



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EDITORIAL BOARD

<u>Name</u>	<u>Designation</u>	<u>Role</u>	<u>Department</u>
Mrs. V. Indrani	Assoc. Professor	Chief Editor	CSD
Mrs. Priyanka Pandarinath	Asst. Professor	Editor	CSD
Mr. V. Hemanth	Student	Coordinator	II CSD
Ms. P. Akshitha	Student	Coordinator	II CSD
Ms. V. Khushi	Student	Coordinator	II CSD
Ms. P. Rajeshwari	Student	Coordinator	II CSD
Mr. S. Mrudul Kumar	Student	Coordinator	II CSD

VISION & MISSION OF THE INSTITUTE

VISION

To be a premier institution ensuring globally competent and ethically strong professionals.

MISSION

1. To provide higher education by refining the traditional methods of teaching to make globally competent professionals.
2. To impart quality education by providing the state-of-the-art infrastructure and innovative research facilities.
3. To practice and promote high standards of professional ethics, transparency, and accountability

VISION & MISSION OF THE DEPARTMENT

VISION

To emerge as a center of excellence in Data Science for high quality education and research by nurturing professionals who can transform data into actionable knowledge for innovation and societal advancement.

MISSION

1. To deliver high-quality education in data analytics, machine learning, and data-driven technologies through effective, student-centric and hands-on teaching–learning methodologies.
2. To inculcate innovation, research, and experiential learning among students by training them on advanced data science tools and emerging technologies.
3. To develop competent, ethical, and industry-ready data science professionals by forging strong industry collaboration, encouraging students to take-up internships in the industry, and give real-time project exposure.

ABOUT THE DEPARTMENT

The Department of Data Science was established in the year 2021 with an initial intake of 60 students, which was later increased to 120 students in 2023 due to the growing demand in the field. Since its inception, the department has been progressing in strength, infrastructure, and academic excellence.

The Department offers a four-year course of Bachelor's Degree (B.Tech) in Data Science with the aim of equipping students with skills in data analytics, machine learning, artificial intelligence, and big data technologies. The Department strives for continuous improvement in teaching and learning methodologies.

The Department is known for its highly qualified faculty with expertise across domains like Artificial Intelligence, Machine Learning, Data Mining, Statistics, and Cloud Computing. Students are trained to handle real-world data challenges, ensuring they become industry-ready professionals.

The department encourages students to actively participate in technical symposiums, workshops, hackathons, and research forums.

With state-of-the-art infrastructure, the Department has dedicated Data Science laboratories equipped with high-end computing systems and the latest software tools recommended by AICTE and industry standards. Students extensively use Python, R, TensorFlow, Hadoop, and other open-source technologies.

The Department also emphasizes industry collaboration by partnering with leading IT and Data Analytics firms to provide internships, expert lectures, and skill-development workshops. It maintains professional associations with reputed societies such as IEEE, ACM, and ISTE to encourage student and faculty engagement in global technical communities.

The teaching faculty is deeply committed to academic and research excellence, constantly updating themselves with emerging technologies to impart cutting-edge knowledge. With a vision to bridge the gap between academia and industry, the Department of Data Science is grooming the next generation of professionals to excel in the rapidly evolving world of data.

SALIENT FEATURES:

Intake:

The B.Tech Computer Science and Engineering (Data Science) program has an annual sanctioned intake of 120 seats, with 70% filled through TG EAPCET and 30% via management quota.

Accreditations:

The B.Tech CSE (Data Science) program is backed by an institutional NAAC A+ Grade accreditation and UGC Autonomous Status. While it is approved by AICTE and permanently affiliated with JNTUH

Infrastructure:

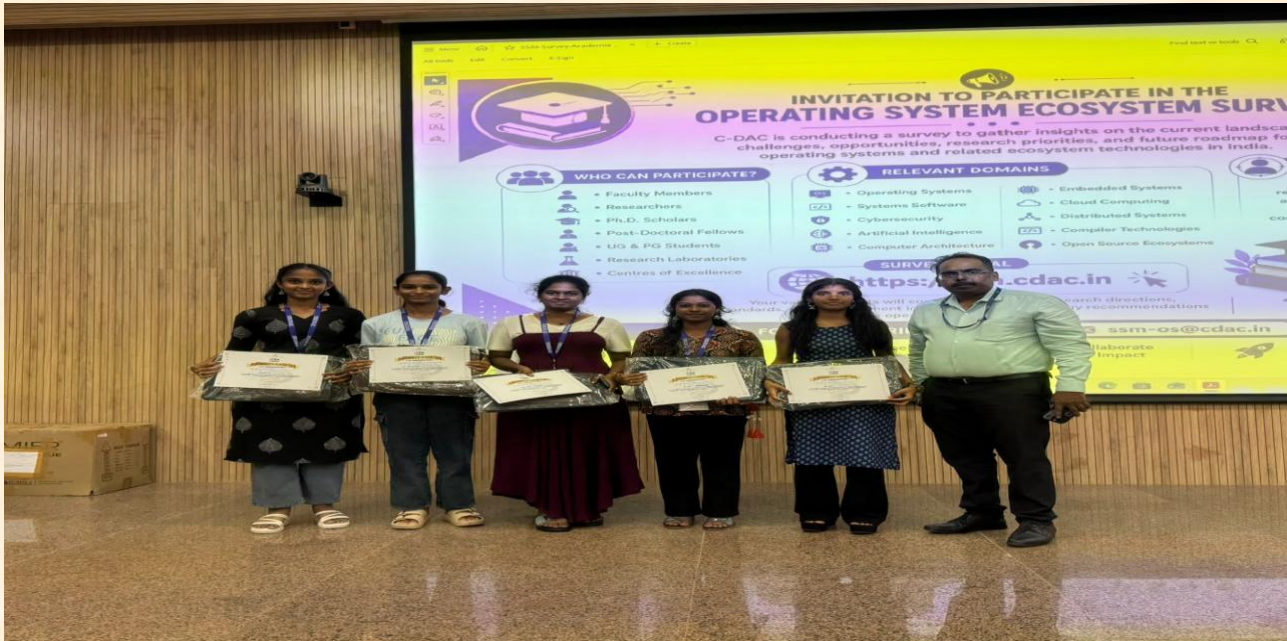
The CSE (Data Science) infrastructure features specialized laboratories equipped with high-end computing systems configured for a Linux environment. These systems are pre-loaded with essential data science tools including Python, R, TensorFlow, and Hadoop. Students have access to the parent CSE department's network of 9 computer centers housing over 400 networked terminals. Additionally, the college provides a dedicated Elite Research and Development Center for building advanced machine learning prototypes. The entire setup is supported by high-speed LAN connectivity and smart classrooms.

Faculty:

The CSE (Data Science) faculty, comprising Professors, Associate Professors, and Assistant Professors, specializes in AI, Machine Learning, Deep Learning, and Big Data Analytics. Led by an experienced Associate Professor, the team holds advanced M.Tech and Ph.D. degrees, with expertise in publishing research in IEEE and Scopus-indexed journals. Faculty members actively participate in FDPs and bridge industry gaps by training students in data modeling, complex projects, and hackathon prototypes. They utilize an Outcome-Based Education (OBE) model to blend theoretical knowledge with practical skills. Additionally, many staff members hold certifications from IITs and NPTEL. They are heavily involved in guiding students through internships and industry-focused placements.

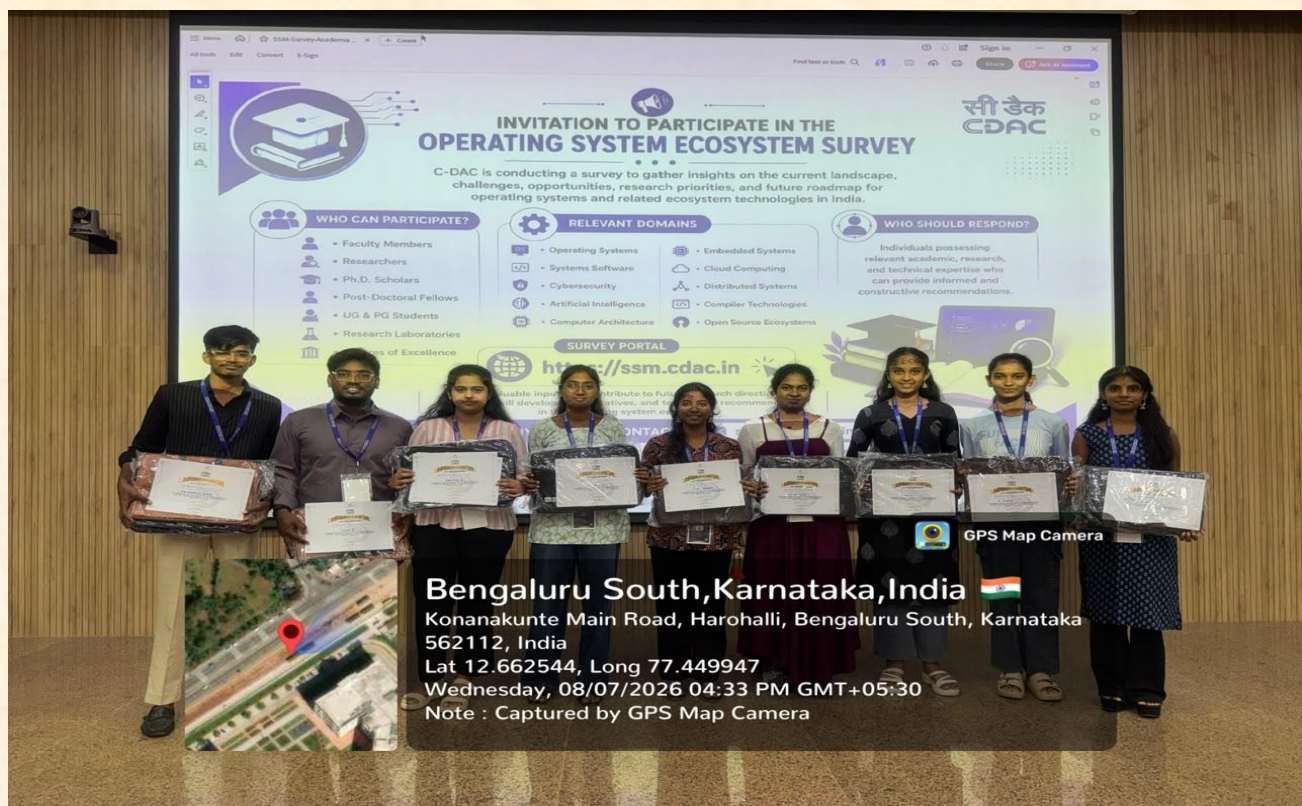
HACKATHONS

1. CDAC



Students of **Nalla Narasimha Reddy Engineering College (NNRG)** actively participated in the **C-DAC Hackathon** on **7th july**, with four teams representing the college at different centres across India. The teams participated in **Bengaluru, Chennai, Hyderabad, and Indore**, gaining valuable exposure to a competitive technical environment. The hackathon provided students with an opportunity to showcase their programming skills, creativity, problem-solving abilities, and innovative ideas while working on real-world technology challenges. Through this experience, the students strengthened their technical knowledge, teamwork, time management, and ability to develop practical solutions under challenging conditions. The event also encouraged students to explore emerging technologies and apply their academic knowledge to practical applications. Working under time constraints helped the participants improve their ability to

analyse problems and develop effective solutions. Interaction with other participants and experts provided them with broader perspectives on current technological trends. The students gained valuable experience in presenting and explaining their ideas in a professional environment. Their participation also encouraged other students at NNRG to take an active interest in hackathons and technical competitions. The event served as an enriching learning experience and contributed to the overall technical and professional development of the participating students. The participation of four teams across four cities reflects the enthusiasm and commitment of NNRG students toward innovation, collaboration, and technological learning.





2. SREENIDHI UNIVERSITY

Students of **Nalla Narasimha Reddy Engineering College (NNRG)** actively participated in a technical event held at **Sreenidhi Institute of Science and Technology on 9th July**. A total of eight students took part in the event, showcasing their technical knowledge, creativity, and problem-solving abilities. The event provided students with an opportunity to apply their academic knowledge to practical challenges. The participants worked collaboratively, demonstrating teamwork, communication, and innovative thinking. They gained valuable exposure by interacting with students from different institutions and experiencing a competitive technical environment. The event also encouraged them to explore emerging technologies and develop practical solutions to real-world problems. Participating in such events helped the students improve their confidence and technical skills. It provided an excellent platform for learning beyond the classroom and understanding industry-oriented challenges. The experience encouraged the students to think creatively and approach problems from different perspectives. Their participation reflects the enthusiasm of NNRG students toward technical activities, innovation, and continuous learning. The event was a valuable and enriching experience that contributed to the overall development of the participating students.



3. MALLA REDDY UNIVERSITY



Students of **Nalla Narasimha Reddy Engineering College (NNRG)** actively participated in **Hackathon Z**, held at **Malla Reddy** on **18th july**, showcasing their technical skills, creativity, and innovative thinking. A total of **10 teams comprising 37 students** represented NNRG in the hackathon. The participants worked on real-world challenges and developed innovative, technology-driven solutions within a competitive environment. Through teamwork and effective collaboration, the students applied their programming, problem-solving, and analytical skills to transform their ideas into practical solutions. Their dedication and technical expertise were recognized at the event, with the NNRG teams securing **Third Prize** as well as a **Special Prize**. This achievement highlights the students' ability to compete effectively at a technical level

and demonstrate innovative approaches to problem-solving. The hackathon also provided participants with valuable exposure to emerging technologies and opportunities to interact with students from other institutions. The experience helped them enhance their communication, teamwork, time management, and presentation skills. The success of the NNRG teams serves as an encouraging achievement for the college and inspires other students to participate in technical competitions. The participation along with the two awards, reflects the enthusiasm and commitment of NNRG students toward innovation and technological excellence. The event was a valuable learning experience and a proud moment for NNRG.



4. MSME

Nalla Narasimha Reddy Engineering College (NNRG) hosted the **MSME Hackathon** on its campus, providing students with a dynamic platform to showcase their innovation, creativity, and problem-solving abilities. The hackathon witnessed enthusiastic participation, with **70 teams** taking part in the event. Students worked collaboratively on real-world challenges related to the MSME sector and explored technology-driven approaches to address them. The event encouraged participants to think beyond conventional solutions and transform their ideas into practical and impactful concepts. Working within a competitive environment, students demonstrated teamwork, technical knowledge, creativity, and effective time management. The hackathon also provided an opportunity for participants to interact with fellow innovators and exchange ideas. It helped students gain valuable practical exposure and understand how technology can be applied to solve challenges faced by businesses and industries. The event encouraged entrepreneurial thinking and motivated students to explore innovation as a pathway to creating meaningful solutions. The participation of 70 teams made the event an engaging and enriching technical experience at NNRG. It also reflected the growing interest among students in hackathons, innovation, and technology-based problem solving. The MSME Hackathon was a valuable learning experience that strengthened students' confidence and technical capabilities while fostering a culture of innovation within the college.

 Nalla Narasimha Reddy Group of Institutions NNRG Integrated Campus www.nnr.edu.in	NALLA NARASIMHA REDDY Education Society's Group of Institutions - Integrated Campus (Approved by AICTE, PCI, New Delhi, Accredited by NAAC with 'A+' Grade, Affiliated to JNTU Hyderabad) Chowdarguda (V), Korremula 'X' Roads, Ghatkesar (M), Medchal-Malkajgiri Dist., Hyderabad, T.S. - 500 088. UGC AUTONOMOUS INSTITUTION	Accredited by   INSTITUTION'S INNOVATION COUNCIL (Ministry of Education, Government of India)	
 MSME MICRO, SMALL & MEDIUM ENTERPRISES सूक्ष्म, लघु एवं मध्यम उद्यम OUR STRENGTH • हमारी शक्ति Ministry of MSME, Govt. of India	MSME Incubation Center and Research & Development Cell Inviting for Idea Presentations under MSME 6.0 IDEA HACKATHON SIX THEMES to CREATE INNOVATION for SMART & SUSTAINABLE MSME ECOSYSTEM		
Funding support 15 Lakhs  Renewable Energy, Energy Efficiency, Automotive Technology, Industry 4.0 and 5.0, Robotics and Automation, Other Frontier and Export-Oriented Technologies	FOR SUPPORTING INNOVATIVE IDEAS - Renewable Energy - Energy Efficiency - Automotive Technology - Industry 4.0 and 5.0 - Robotics and Automation - Other Frontier and Export-Oriented Technologies 	Date: 19-08-2026 Time: 9:30 AM Venue: Incubation Center, II Floor, NNRG	
Head of the Institute Dr. C.V.Krishna Reddy Director, NNRG	Convener Dr. G.Janardhana Raju Dean, School of Engineering & MSME-III-Spec., NNRG Mob: 9885294437	Co-Conveners Dr. N.Ravi Shankar Professor, CSE(DS) & Convener, IIC, NNRG Mob: 9490685157 Dr. B.Ravi HOD - ECE & Convener - RGD Mob: 9030717749	Coordinator Mr. P.Srinivas Assoc. Prof., CSE(DS) Mob: 9603548550



INDUSTRIAL VISITS

1. IMD, HYD

An industrial visit to the India Meteorological Department (IMD) was organized for the **third-year students of Nalla Narasimha Reddy Engineering College (NNRG)** on **14th July** at **IMD, Hyderabad**. The visit provided students with an opportunity to gain firsthand exposure to the functioning of a leading national organization involved in meteorological services and weather-related information. Students learned about weather monitoring, forecasting, data collection, and the role of modern technology in meteorological services. The visit helped students connect their academic knowledge with practical applications in a professional environment. They gained insights into how scientific data and advanced technologies are used for weather prediction and analysis. The interaction also helped students understand the importance of accurate weather information in areas such as agriculture, disaster management, aviation, and public safety. The experience encouraged students to explore the applications of technology and data in meteorology. Overall, the visit to **IMD, Hyderabad** was an informative and enriching experience that broadened the students' knowledge and provided valuable exposure beyond the classroom.



2. INCOIS, HYD



An **industrial visit to the Indian National Centre for Ocean Information Services (INCOIS)** was organized for the **second-year students of Nalla Narasimha Reddy Engineering College (NNRG)** on **14th August**. The visit provided students with an opportunity to gain firsthand exposure to the organization's work in ocean science, information services, and related technologies. Students learned about the role of technology and data in monitoring and understanding the oceans. The visit helped them connect their classroom learning with practical applications in a professional scientific environment. Students were introduced to various activities and technologies used for collecting, processing, and communicating ocean-related information. The interaction offered valuable insights into how scientific research, data analysis, and technology work together to support society. The visit also encouraged students to develop curiosity about emerging fields and explore career opportunities related to science and technology. It provided an enriching learning experience beyond the classroom and helped broaden their understanding of real-world applications. The students actively engaged with the activities and gained valuable knowledge from the visit. Overall, the INCOIS visit was an informative and educational experience that enhanced the students' practical understanding and encouraged them to explore new areas of technological learning.



WORKSHOPS

1. OSMANIA UNIVERSITY

The **third-year students of Nalla Narasimha Reddy Engineering College (NNRG)** participated in a **workshop conducted at Osmania University (OU)** on **14th July**. The workshop provided students with an opportunity to gain practical knowledge and exposure beyond their regular academic curriculum. The sessions focused on enhancing students' understanding of technical concepts and their real-world applications. Through expert-led sessions and interactive activities, students gained valuable insights into current developments and industry practices. The workshop encouraged students to actively engage, ask questions, and explore new ideas. It also helped them strengthen their technical knowledge, analytical thinking, and problem-solving abilities. Participation in such academic events enables students to interact with experts and learn from their experiences. The programme provided a platform for students to broaden their perspectives and connect classroom learning with practical applications. The experience encouraged students to develop industry-relevant skills and remain updated with emerging trends. Overall, the workshop at **Osmania University** was an enriching learning experience that contributed to the academic and professional development of the participating NNRG students.

2. AUGUR CYBER-X,HYD

Students of **Nalla Narasimha Reddy Engineering College (NNRG)** actively participated in a **workshop conducted by Augur Cyber-X** on **1st July**. The workshop provided students with an opportunity to gain practical exposure to the field of cybersecurity and understand its growing importance in the digital era. The sessions covered key cybersecurity concepts, digital security practices, and emerging cyber threats. Through interactive sessions and practical demonstrations, students gained valuable insights into identifying and addressing potential security risks. The workshop helped students connect their academic knowledge with real-world cybersecurity

applications. It also encouraged them to develop awareness of responsible and secure digital practices. Students actively engaged in the sessions and interacted with the experts, gaining a better understanding of current cybersecurity challenges. The programme provided valuable exposure to industry-oriented practices and emerging opportunities in cybersecurity. The experience encouraged students to explore cybersecurity as a potential career domain and strengthen their technical skills. Overall, the **Augur Cyber-X workshop** was an informative and enriching experience that enhanced the knowledge and practical awareness of the participating NNRG students.



GUEST LECTURE

1. RESUME BUILDING

A guest lecture on **Resume Building** was organized for the **fourth-year students of Nalla Narasimha Reddy Engineering College (NNRG)** by **Mr. Kurumurthy**. The session focused on helping students understand the importance of creating an effective and professional resume while preparing for placements and career opportunities. The speaker shared valuable guidance on structuring a resume, highlighting relevant skills, presenting academic achievements, and showcasing projects and experiences effectively. Students were also guided on common resume mistakes and ways to make their profiles more professional and industry-oriented. The lecture emphasized the importance of tailoring resumes according to specific job roles and opportunities. The interactive session allowed students to gain practical insights and clarify their doubts regarding resume preparation. It also helped students understand how a well-presented resume can effectively communicate their strengths to potential employers. The session encouraged students to assess their skills and identify areas for improvement before entering the recruitment process. Overall, the guest lecture was an informative and useful session that helped the fourth-year students prepare more confidently for their upcoming placement and career opportunities.





2. BEYOND ENGINEERING:ROADMAP TO SUCCESS

 NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS-INTEGRATED CAMPUS (UGC AUTONOMOUS INSTITUTION)		 
Department of Civil Engineering, Electronics & Communication Engineering, CSE-Data Science		
Resource Person 		
in association with Industry Institute Interaction Cell (IIC) Organize a Guest Lecture on		
Beyond Engineering: Roadmap to Success		
Mr. Anupothula Anjaneyulu Head, IIC, Adda247 Business Head - Adda247 Telugu Hyderabad		
Date: 29th July 2026		Time: 11:00 AM
		Venue: Auditorium, III Floor
Shri Nalla Narasimha Reddy <i>Chairman</i>	Shri Nalla Prashanth Reddy <i>Vice-Chairman</i>	Dr. C.V. Krishna Reddy <i>Director</i>
Dr. G. Janardhana Raja <i>Dean - School of Engineering</i>	Dr. G. Subba Rao <i>HoD - Civil</i>	Dr. B. Ravi <i>HoD - ECE</i>
Prof. V. Indrani <i>HoD - CSE (DS)</i>		

The Departments of Civil Engineering, organized a Guest Lecture on “Beyond Engineering: Road Map to Success” by involving Electronics and Communication Engineering (ECE), and Computer Science and Engineering – Data Science (CSD) on 29th July 2026 in association with ADDA 24/7. The session commenced at 11:10 A.M. and the student participants are from CE (75), CSD (82) and ECE (40) and 197 altogether. The programme commenced with a warm welcome address delivered by the Head of the Department Dr. G. Subba Rao. The HOD extended a cordial welcome to the Chief Guest, faculty members and students emphasizing the significance of the theme "Beyond Engineering: Road Map to Success". The address highlighted the importance of developing technical expertise alongside essential professional skills, innovation, and lifelong learning to achieve success in today's competitive world. The HOD encouraged the participants to actively engage in the session and make the best use of the valuable insights shared by the resource person. The keynote speaker, Mr. A. Anjaneyulu, addressed the common challenges faced by engineering students while choosing a suitable career path after graduation. He emphasized the importance of identifying individual career goals and making informed decisions to achieve long-term professional success. He also provided valuable insights into various competitive examinations such as Staff Selection Commission (SSC), Railway Recruitment Board (RRB), Banking Examinations, and other recruitment opportunities.

offered by Central and State Government organizations. Furthermore, he elaborated on the diverse technical and non technical career opportunities available for engineering graduates, particularly in the field of Civil Engineering.



FRESHERS DAY

The **Data Science (DS) Department of Nalla Narasimha Reddy Engineering College (NNRG)** celebrated **Freshers' Day** on **27th August**, warmly welcoming the new batch of students to the department. The event was organized to provide freshers with an opportunity to interact with their seniors, faculty members, and classmates in a friendly and lively atmosphere. A variety of **competitions and fun activities** were conducted as part of the celebration, encouraging students to actively participate and showcase their creativity, confidence, and talents. The competitions created an energetic and enjoyable atmosphere while helping students interact with one another and build new friendships. Students enthusiastically took part in the activities and demonstrated their skills and team spirit. Faculty members encouraged the students and extended their best wishes for their academic journey. The celebration helped the freshers feel welcomed and develop a sense of belonging within the DS Department. It also strengthened the bond between students and faculty members through meaningful interaction and shared activities. The enthusiastic participation of the students made the celebration memorable and enjoyable. Overall, the **DS Department Freshers' Day** marked a vibrant and positive beginning to the college journey of the new batch.



ORIENTATION DAY

Nalla Narasimha Reddy Engineering College (NNRG) organized an **Orientation Day** to warmly welcome the newly admitted students and introduce them to their new academic environment. The programme marked the beginning of an exciting new chapter in the students' educational journey. The orientation was designed to familiarize students with the college, departments, academic structure, facilities, campus resources, and various opportunities available to them. Faculty members provided valuable guidance on academic expectations, discipline, attendance, examination procedures, and the importance of maintaining a consistent learning routine. Students were also introduced to the importance of developing technical, communication, and interpersonal skills alongside their regular academics. The programme highlighted various academic activities, workshops, technical events, competitions, and extracurricular opportunities that students can participate in during their college journey. Faculty members encouraged the students to make effective use of the facilities and resources provided by the institution. Interactive sessions allowed students to ask questions, clear their initial doubts, and become more familiar with the college environment. The orientation also encouraged students to set clear academic and career goals and actively work towards achieving them. The programme helped create a welcoming atmosphere and gave students an opportunity to interact with their faculty members and peers. It also emphasized the values of teamwork, responsibility, discipline, innovation, and continuous learning. The event motivated students to actively participate in college activities and make the most of the opportunities available to them. Overall, the **Orientation Day** was an informative and engaging programme that helped the new students begin their journey at NNRG with confidence, enthusiasm, and a positive outlook.



INDEPENDENCE DAY

Nalla Narasimha Reddy Engineering College (NNRG) celebrated **Independence Day on 15th August** with patriotic spirit and enthusiasm. The celebration commemorated India's independence and provided an opportunity for students and faculty members to reflect on the nation's journey and achievements. The programme began with the **hoisting of the National Flag**, followed by the National Anthem. Students and faculty members participated enthusiastically in the celebrations, creating a proud and respectful atmosphere across the campus. Various cultural activities and patriotic performances added vibrancy to the occasion. Students showcased their talents through speeches, songs, and other programmes highlighting the values of freedom, unity, and responsibility. The event also emphasized the importance of contributing positively to the development of the nation. Faculty members encouraged students to uphold the principles of integrity, discipline, and service. The celebration created a strong sense of patriotism and unity among the college community. Overall, the Independence Day celebration was a meaningful and memorable occasion that brought students and faculty together in the spirit of national pride.





➤ COMPETITIONS UNDER DATAPIRATES CLUB

The **Data Pirates Club** of **Nalla Narasimha Reddy Engineering College (NNRG)** organized a series of engaging competitions to encourage creativity, innovation, and active participation among students. The competitions included **“Campus in Frame,” “Mission to Venture,”** and **“Frames That Speak,”** offering students different platforms to showcase their talents and ideas. *Campus in Frame* encouraged participants to capture interesting moments and perspectives from campus life through photography and visual creativity. *Mission to Venture* provided students with an opportunity to explore entrepreneurial thinking, develop innovative ideas, and present their concepts. *Frames That Speak* focused

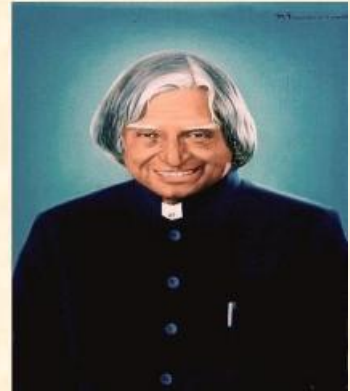
on visual storytelling, allowing participants to communicate meaningful ideas and stories through creative frames. The competitions encouraged students to think differently and express themselves beyond the conventional classroom environment. Participants demonstrated creativity, originality, communication skills, and enthusiasm throughout the activities. The events also provided an opportunity for students from different backgrounds and skill levels to interact and participate together. Such activities help students develop confidence, teamwork, presentation skills, and creative thinking. The competitions created an energetic and engaging atmosphere within the college and encouraged students to explore their individual talents. Overall, the initiatives by the **Data Pirates Club** provided students with a valuable platform to learn, create, compete, and express their ideas in innovative ways.





“The power of concentration is the only key to the treasure-house of knowledge.”

- A.P.J Abdul Kalam



“Discipline is the bridge between goals and accomplishment.”

- Jim Rohn

“Education is not just about gathering knowledge, but more so about learning how to think.”

- Sandeep Maheshwari





NALLA NARASIMHA REDDY

Education Society's Group of Institutions-Integrated Campus

Near Narapally, Chowdariguda (V), Korremula 'X' Road, Ghatkesar (M),
Medchal-Malkajgiri (D), Hyderabad - 500088, Telangana.

(UGC AUTONOMOUS INSTITUTION)

