

Department of Computer Science Engineering
(Data Science)

DATASPECTRUM

Bi-Monthly News Letter

(March-May)

2025-26



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EDITORIAL BOARD

<u>Name</u>	<u>Designation</u>	<u>Role</u>	<u>Department</u>
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Mrs. S. Sandya Rani	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.

INDUSTRIAL VISIT

- **Deep Tech Incubator at International Institute of Information Technology(IIIT), Hyderabad.**



The students of the Department of Data Science visited to Deep Tech Incubator at International Institute of Information Technology (IIIT), Hyderabad on 5th March 2026 as part of an industrial visit organized under the academic curriculum enrichment program. The visit aimed to provide students with practical exposure to real-life workflows and industry practices followed at the institute. During the visit, students observed how the services and research initiatives of IIIT Hyderabad are contributing towards building a better and sustainable society. They also gained a clear understanding of the role of Data Science in the institute, including its applications in solving real-world problems and supporting technological development. A total of 60 IV-Year CSD students and 2 faculty members actively participated in this Educational tour.

Objectives:

- To encourage innovative thinking among students for solving real-world problems.
- To understand the implementation of innovative ideas in small-scale industries.
- To explore how technology and Data Science can support the growth of small businesses.
- To gain knowledge about funding opportunities and fund-raising strategies for startups and small-scale industries
- To develop awareness about entrepreneurship and sustainable business practices.







Activities During the Visit:

1. Orientation Session :

Officials at IIIT welcomed the students and gave an brief introduction on startup and innovative ideas.

2. Presentation & Demonstration :

-During the presentation and demonstration session, experts from IIIT Hyderabad showcased various mid ranged projects and innovative solutions developed at the institute.

-They explained how these ideas are implemented in real-world scenarios, particularly in supporting small-scale industries and promoting sustainable development.

- Students were also introduced to the role in analyzing data, improving decision-making, and enhancing business growth. Additionally, the session covered aspects of startup development, including idea validation, implementation strategies, and fund-raising approaches.



3. Extension building Visit :

- As part of the industrial visit, students toured the extension building at International Institute of Information Technology Hyderabad. During this visit, they explored various laboratories, research centers, and innovation spaces within the facility.
- The students observed the infrastructure and resources available for developing innovative ideas and technological solutions.
- The visit provided insights into how the institute supports research, startup incubation, and collaboration for implementing ideas, particularly in areas related to small-scale industry applications.

Outcome:

From the industrial visit to International Institute of Information Technology Hyderabad, students gained several valuable insights. Developed an understanding of how innovative ideas are transformed into practical applications. Gained knowledge about startup culture, entrepreneurship, and fund-raising strategies. Understood how small-scale industries can benefit from technology and innovation.

Conclusion:

The industrial visit to International Institute of Information Technology Hyderabad was highly informative and beneficial for the students. It provided a perfect blend of theoretical knowledge and practical exposure. The visit helped students understand the significance of innovation and entrepreneurship in today's world. Overall, the experience enhanced their knowledge, skills, and motivation to explore future opportunities in the field of technology and research.

Alumni meet 2026



NALLA NARASIMHA REDDY
Education Society's Group of Institutions - Integrated Campus
(UGC AUTONOMOUS INSTITUTION)

Accredited by
A⁺ NAAC, NBA, INSTITUTE'S INNOVATION COUNCIL, AICTE, UGC AUTONOMOUS

Alumni Association cordially invite you to
Alumni Meet - 2026
GRAND REUNION (2013 to 2025 Batches)

28 March | @10:00AM | Auditorium
REUNITE ★ INTERACT ★ HAVE FUN ★ LUNCH





NNRG Hosts Alumni Meet 2026

DECCAN NEWS SERVICE

HYDERABAD

Nalla Narasimha Reddy Education Society's Group of Institutions organized its **Alumni Meet 2026** on a grand scale, bringing together former students and faculty members in a vibrant and engaging atmosphere.

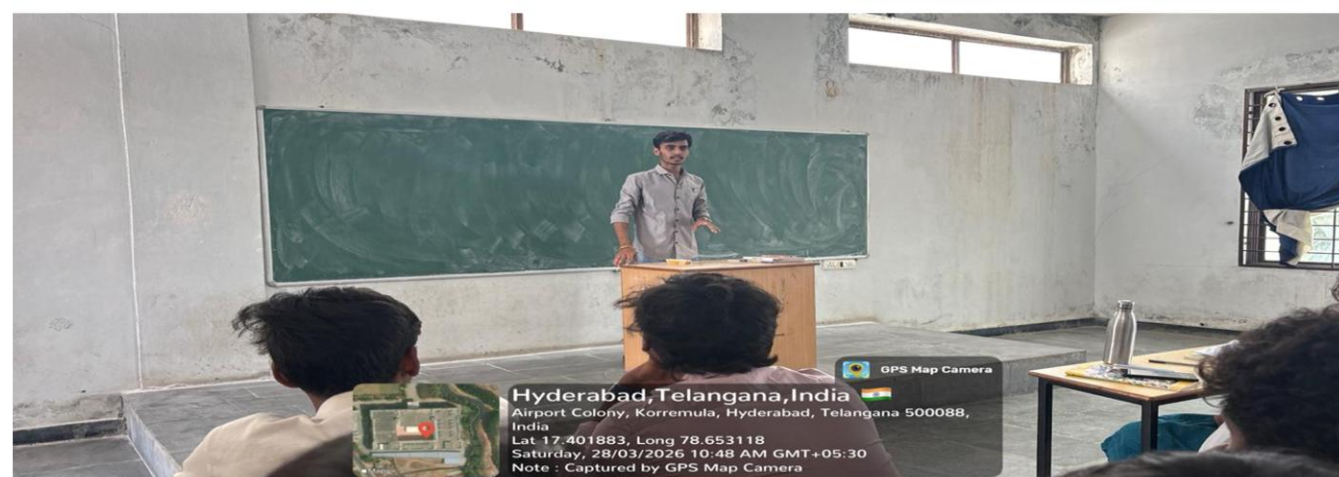
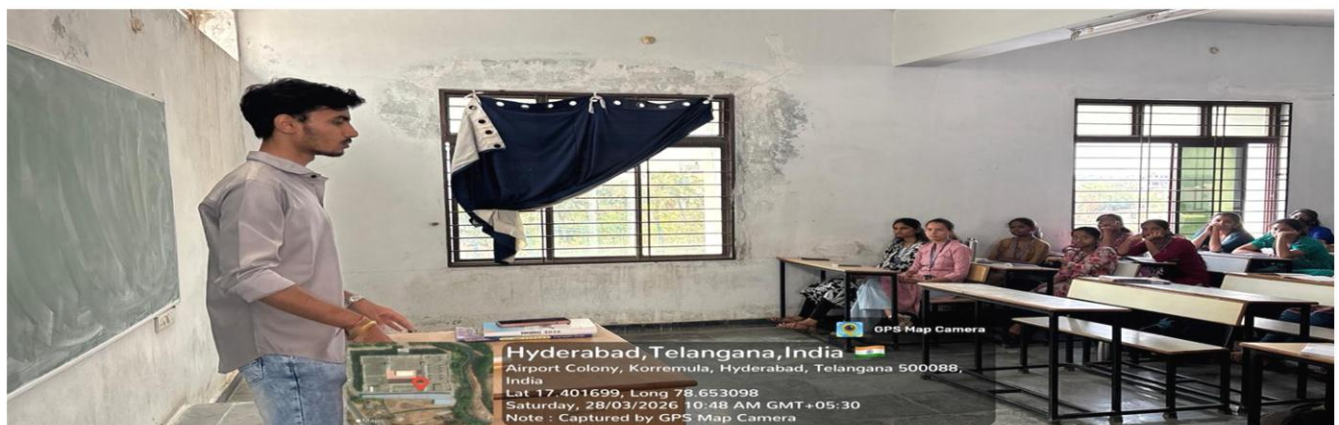
A total of **143 alumni** participated in the event, according to College Director **Dr. C. V. Krishna Reddy**. The meet was graced by Chairman **Nalla Narasimha Reddy** as the Chief Guest.

Alumni member **P. Mukesh**, currently serving as a Civil Judge in Kadapa district, also attended as a special invitee.

The event served as a platform for alumni to reconnect and share their professional journeys and success stories. Several alumni spoke about their experiences, achievements, and the role the institution played in shaping their careers.

Addressing the gathering, Chairman **Nalla Narasimha Reddy** expressed happiness over the accomplishments of former students. He noted that faculty members take immense pride in witnessing the success of their alumni and emphasized the importance of maintaining strong ties between the institution and its graduates.

The programme was coordinated by Alumni Meet Convenor **Dr. Subba Rao**. Key participants included **Dean, School of Engineering Dr. G. Janardhana Raju**, **Dean, School of Pharmacy Krishna Mohan Chinnala**, **Dean, School of Management Sciences Dr. T. Ravindra Reddy**, **Training and Placement Officer K. Sreekanth**, along with heads of various departments, faculty members, and students. The event concluded on a positive note, strengthening the bond between alumni and the institution.



International Women's Day 2026



The Women Cell, in association with IIC, NNRESGI, celebrated International Women's Day 2026 on March 7th with great enthusiasm to recognize and appreciate the achievements and contributions of women in various fields. The event witnessed active participation from NNRESGI employees and students.

The institution hosted the celebrations, graced by Chief Guest Dr. Indrani Kelkar, Head TCSiON, Hyderabad, and Guest of Honour Ms. Likhita Samineni, Managing Director, LA VIE EN ROSE CAFÉ, Hyderabad. The occasion was also honored by the presence of Shree Nalla Narsimha Reddy (Chairman, NNRESGI), Dr. C.V. Krishna Reddy (Director, NNRESGI), Shri Nalla Prashant Reddy (Vice Chairman, NNRESGI), Dr. G. Janardhana Raju (Dean, School of Engineering, NNRESGI), Dr. Ch. Krishna Mohan (Dean, School of Pharmacy, NNRESGI), Dr. T. Ravindra Reddy (Dean, School of Management, NNRESGI), along with HoDs, professors, faculty members, and students from various departments.

The Convener of the Women Cell, Dr. Rashmi Trivedi, warmly welcomed all attendees and expressed her gratitude to the management and Director for their unwavering support and encouragement in organizing numerous events throughout the year. She emphasized that this year's theme, 'Give to Gain' inspired us to give back to society through this outreach initiative, promoting learning, awareness, and empowerment among students." she emphasized the importance of celebrating women's accomplishments and encouraging women to take leadership roles in society. It reminds us that true progress occurs when every woman is valued, respected, and provided with equal opportunities. As the Convener of the Women Cell, she reaffirmed the commitment to ensuring a safe, supportive, and empowering environment for all. The institution strives to maintain a campus free from discrimination and harassment, fostering confidence and growth among women.

Empowering women is a collective responsibility. The event encouraged everyone to pledge their support for gender equality, leadership opportunities, and a culture of mutual respect. A special message was shared with young women to believe in themselves, dream big, and never settle for less. The importance of male allies in supporting and driving this journey of change was also emphasized.

The event was graced by Chief Guest Dr. Indrani Kelkar, Head of Quality and Analytics, TCS iON, Dr. Indrani Kelkar spoke about the importance of women's advancement in education, technology and leadership. She encouraged women to believe in their abilities, work with determination, and contribute meaningfully to society. Guest of Honour, Ms. Samineni Likhitha, an alumni of NNRESGI, shared her inspiring journey as an entrepreneur. As the Founder and Managing Director of La Vie En Rose Café, she spoke about the challenges and opportunities in entrepreneurship and also she motivated the students to pursue their dreams with passion, creativity, and perseverance. Her success story served as a source of inspiration for the young students present at the event.

Academic toppers and Women achievers were honored and awarded for their outstanding performances. Women faculty members were honored with awards in recognition of their dedication and valuable contributions to the institution. Girl students who excelled in their examinations were also appreciated and felicitated for their outstanding academic achievements.

The program concluded with a message of empowerment, equality, and recognition of the significant role of women in shaping society and the future.

The Director, Dr. C.V. Krishna Reddy, extended his greetings to all the women faculty members and appreciated their efforts in balancing personal and professional life. He encouraged them to spread awareness on women's equality today for a sustainable tomorrow.



Women employees and students were encouraged to work, study, and grow with sincerity and dedication while maintaining a balance between personal and professional life.

The event was hosted by Dr.V. Nitya ,Asst. Professor,English, NNRESGI, and the vote of thanks proposed by Ms. S.Radhika,Asst.Professor & Women cell member, CSE

I am extremely grateful to our Honorable Chairman, Shri Nalla Narsimha Reddy, Respected Director, Dr. C.V. Krishna Reddy for giving me this opportunity and entrusting me with the responsibility as the Convener of Women Cell.

A heartfelt thanks to the entire organizing team, It was only through collective effort that this event turned out to be a grand success.

VALUE ADDED COURSES

Objective

To provide students with practical exposure and advanced technical knowledge through Value Added Courses in cloud computing, research methodologies, and artificial intelligence technologies.

Outcome

Students gained knowledge in Cloud Virtual Machines, Paper Research, and Prompt Engineering. The courses improved their technical skills, research abilities, analytical thinking, problem-solving skills, practical implementation capabilities, and awareness of emerging technologies.

The Department of Computer Science & Engineering – Data Science organized a series of Value Added Courses for III Year DS students during 23-03-2026 to 31-03-2026. The programs were conducted successfully with active participation from students and faculty members. These courses were designed to bridge the gap between academic learning and industry requirements by focusing on practical applications, research-oriented learning, and skill enhancement.

The following Value Added Courses were conducted:

S.No	Course Title	Faculty Coordinator	Date	Time	Venue
1	Cloud Virtual Machine	G. Sri Ramya	23-03-2026 to 31-03-2026	11:00 AM – 12:45 PM	CSE Seminar Hall
2	Paper Research	V. Indrani	23-03-2026 to 31-03-2026	09:00 AM – 11:00 AM	MBA Seminar Hall
3	Prompt Engineering	P. Priyanka	23-03-2026 to 31-03-2026	02:00 PM – 04:00 PM	MBA Seminar Hall

Dr. C. V. Krishna Reddy, Director, NNRG, motivated the students by explaining the importance of Value Added Courses in improving employability skills, research aptitude, and technical competency. He encouraged students to actively participate in such programs to strengthen their practical knowledge and industry readiness.

Prof. V. Indrani, Head of the Department of Data Science, addressed the students and highlighted the importance of emerging technologies, research culture, and continuous learning. She encouraged students to actively participate in the sessions and make effective use of the learning opportunities provided through these courses. Faculty member

G. Sri Ramya conducted the Cloud Virtual Machine sessions and explained the fundamentals of cloud computing, virtualization concepts, virtual machine architecture, cloud deployment models, resource allocation, cloud security, and infrastructure management. Students gained practical knowledge in creating, deploying, and managing virtual machines in cloud environments.

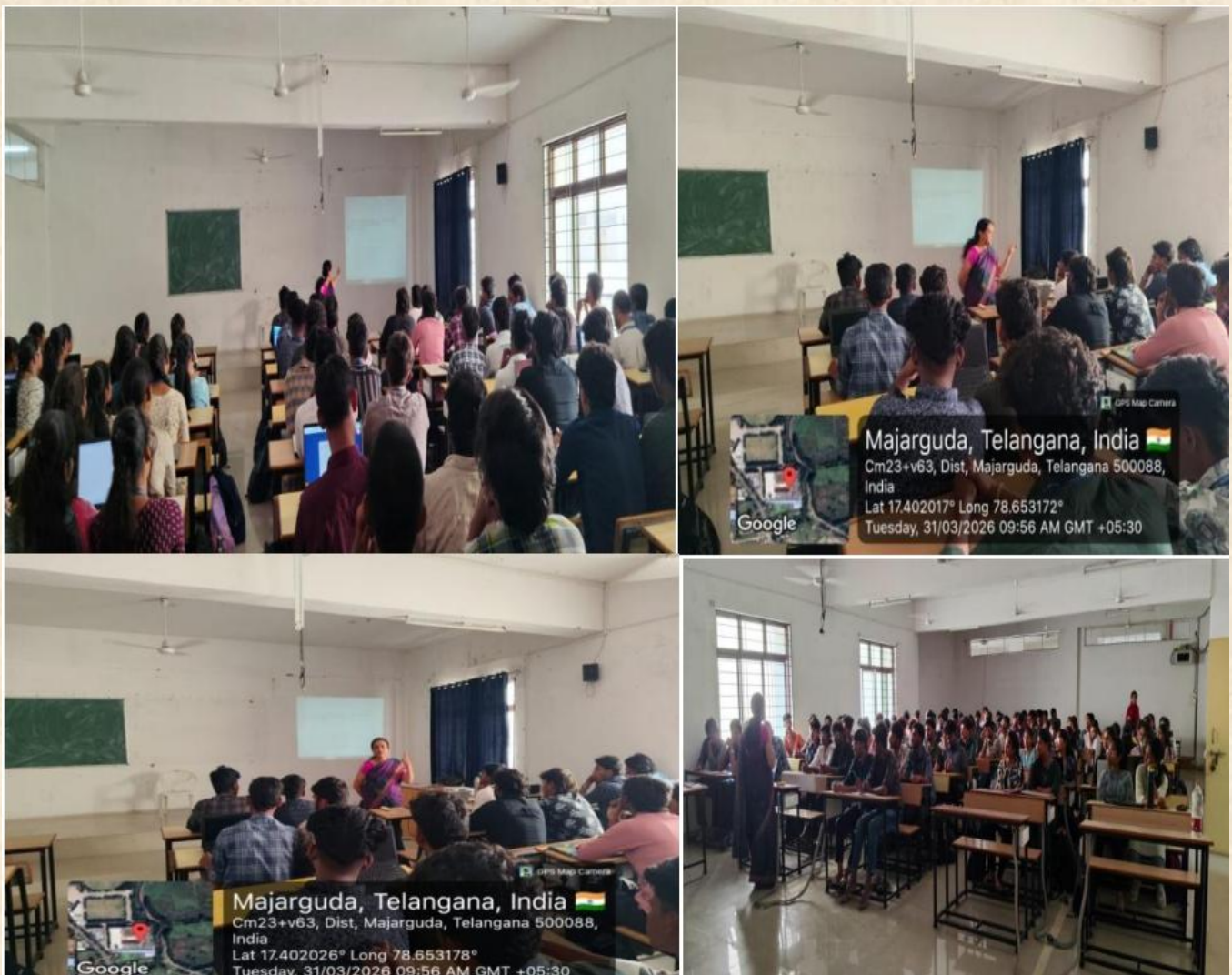
Faculty member V. Indrani conducted the Paper Research sessions and explained research methodologies, literature survey techniques, identification of research gaps, paper analysis, citation methods, plagiarism awareness, technical writing, and publication standards. Students gained practical exposure to research practices and developed the ability to critically analyze technical papers.

Faculty member P. Priyanka conducted the Prompt Engineering sessions and explained the fundamentals of Generative Artificial Intelligence, prompt design techniques, context engineering, prompt optimization methods, AI-assisted content generation, and real-world applications of prompt engineering. Students gained practical knowledge in interacting effectively with AI tools and generating accurate and meaningful outputs.

The sessions were highly interactive and student-centered. Faculty members clarified doubts, conducted practical demonstrations, and

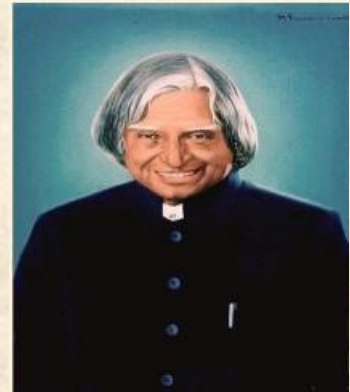
encouraged students to participate actively in discussions and activities. The students showed great interest and enthusiasm throughout the courses.

Overall, the Value Added Courses were highly beneficial in enhancing students' technical knowledge, research skills, analytical abilities, communication skills, and confidence. The programs successfully created awareness about cloud computing, research methodologies, and artificial intelligence technologies and prepared students for future academic and career opportunities.



“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

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