

**Department of Computer Science & Engineering
(Data Science)**

DATA SPECTRUM

**Bi-Monthly News Letter
(July - August)
2025-26**



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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. 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 blooming department is headed by Mrs. V. Indrani.

The Department offers a four-year course of Bachelor's Degree (B.Tech) in Computer Science and Engineering (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 having 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. Students actively participate in co-curricular and extra-curricular activities, technical symposiums, workshops, and hackathons.

The teaching staff members are dedicated and determined to learn new things and never hesitate to give their best at all times. With state-of-the-art infrastructure, the Department has dedicated 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 main motto of the Department is to bridge the gap between industry and institution and produce industry required tailor-made engineers. The department maintains professional associations with reputed societies such as IEEE, ACM, and ISTE.

SALIENT FEATURES:

Intake

The growth of the Department is taking strides in strengths and facilities every year.

- The Department offers a four-year course of Bachelor's Degree (B.Tech) in Computer Science and Engineering (Data Science) with an intake of 120 seats (initially 60 seats from 2021; enhanced to 120 from 2023).

Accreditations

- The programme is approved by AICTE and affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH). The Institution is a UGC Autonomous Institution, accredited by NAAC with A+ Grade.

Infrastructure

Department tailors industry required computer professionals to bridge the technological gap between Academia and Industry. It instigates the latest innovations in the new era of data science and the faculty are enthusiastically involved in imparting programming roots of various technologies.

With state-of-the-art infrastructure, the Department has dedicated Data Science laboratories equipped with high-end computing systems and software recommended by JNTUH and AICTE. Computing facilities include multiple computer centres for Web Technologies & Linux Programming, IT Workshop & Software Engineering, Computer Networks & Cryptography, Research and Development, OOP through Java & DBMS, Data Structures & Data Warehousing and Mining, and Advanced Algorithms & Internet Technologies. All systems are connected via LAN.

Students extensively use Python, R, TensorFlow, Hadoop, and other open-source technologies for analytics and project work.

Faculty

The teaching staff members are dedicated and determined to learn new Technologies, update their subject knowledge, and to give their best all the time. The department contains faculty members including Professors, Associate Professors, and Assistant Professors. In addition to teaching faculty, we have non-teaching staff and system administrators.

The department is headed by Mrs. V. Indrani, Associate Professor & HOD – Data Science, with over 19 years of professional experience specializing in Cloud Computing, Machine Learning, and Network Security. Senior faculty includes Dr. N. Ravi Shankar, Professor, with 35 years of experience and multiple patents and publications.

The department maintains active association with professional societies like IEEE, ACM, ISTE, etc. Faculty members actively pursue FDPs, NPTEL certifications, research publications, patents, and mentorship of student projects and hackathons.

FACULTY ACHIEVEMENTS

Patents

- Dr. N. Ravi Shankar has successfully published a patent titled “AI-BASED VISION SCREENING DEVICE TO DETECT OCULAR ABNORMALITIES”, Patent Application no: 464995-001, published on 08-07-2025.
- Mrs. T. Spoorthi Reddy has successfully published a patent titled “AI BASED ROAD ACCIDENT PREDICTION DEVICE”, Patent Application no: 465918-001, published on 16/07/2025.
- Mr. R. Manoj Kumar has successfully published a patent titled “AI BASED ROAD ACCIDENT PREDICTION DEVICE”, Patent Application no: 465918-001, published on 16/07/2025.

Journals & Conferences

- Mr. R. Manoj Kumar presented a conference paper on “Enhancing Cloud Information Security using Honey Badger Algorithm” at IEEE 2025 3rd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), with ISBN no. 979-8-3315-1250-7, on 06-08th August 2025.
- Mrs. T. Spoorthi Reddy presented a conference paper on “ROA: Energy and Environment Aware Task Scheduling in Cloud Computing” at IEEE 2025 3rd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), with ISBN no. 979-8-3315-1250-7, on 06-08th August 2025.

Workshops / FDPs Attended

- Dr. N. Ravi Shankar has attended FDP on “Microsoft Azure AI Engineer Associate” conducted by NNRG, ICT Academy, on 04-08 August 2025.
- Ms. G. Jyothi has attended FDP on “Microsoft Azure AI Engineer Associate” conducted by NNRG, ICT Academy, on 04-08 August 2025.
- Mr. Penta Srinivas has attended FDP on “Joy of AI in Action: Applying Traditional and Agentic AI to Real-World Problems” conducted by VNR Vignana Jyothi Institute of Engineering and Technology, on 18-23 August 2025.

NPTEL Certifications & Mentoring

S.No	Faculty Name	Course / Role	Organized By	Certificate	Timeline
1	Mr. Penta Srinivas	Python for Data Science	IIT Madras	ELITE	Jul–Aug 2025

STUDENT ACHIEVEMENTS

NPTEL Certifications :

S.no	College Roll no	Name	Course Name	Certificate	Timeline
1	227Z1A6704	Amrabad Vinaysri	Python for Data Science	ELITE	Jul–Aug 2025
2	227Z1A6711	C. Varuni	Python for Data Science	ELITE	Jul–Aug 2025
3	227Z1A6719	Gajula Navasri	Python for Data Science	ELITE	Jul–Aug 2025
4	227Z1A6720	Sowmya Garje	Python for Data Science	ELITE	Jul–Aug 2025
5	227Z1A6728	Kalepaka Shalini	Python for Data Science	ELITE	Jul–Aug 2025
6	227Z1A6732	Kunchala Poojitha	Python for Data Science	ELITE	Jul–Aug 2025
7	227Z1A6736	Melagiri Harshitha	Python for Data Science	ELITE	Jul–Aug 2025
8	227Z1A6739	Mote Vaishnavi	Python for Data Science	ELITE	Jul–Aug 2025

Internships

- Mr. Kanuganti Rushikesh, 237Z1A6757, has completed his internship with AICTE (Edunet Foundation) on “Artificial Intelligence and Data Analytics focused on Green Skills” from 15-7-2025 to 16-8-2025 (4 weeks).

S. No.	Name of The Student	Roll No.	Year	Title of Internship	Organization	Timeline
1	Kanuganti Rushikesh	237Z1A6757	III	AI & Data Analytics (Green Skills)	AICTE–Edunet	Jul–Aug 2025

IBM SkillsBuild Certifications

S.No	Name of the Student	Hall Ticket No.	Certificate No.	Grade
1	Sriram Siddartha Karra	217Z1A6729	G-2025-G4501-0006	A+
2	Saisheshu Revanwar	217Z1A6749	G-2025-G4501-0012	A+
3	Ramprasad Mukkera	217Z1A6742	G-2025-G4501-0045	A+

Student Hackathons

S.No	Roll Number	Name of the Student	Year	Name of the Event	Host Institution	Organized By
1	237Z1A6723	Batti Vikranth	III	Hackathon (Techgyan)	IIT Hyderabad	IIT Hyderabad, TechGyan
2	237Z1A6757	Kanuganti Rushikesh	III	Hackathon (Techgyan)	IIT Hyderabad	IIT Hyderabad, TechGyan
3	227Z1A6755	Rahul Asthwick Sunki	IV	Kharagpur Data Science Hackathon	IIT Kharagpur	IIT Kharagpur

DEPARTMENT ACTIVITIES

7.1 Independence Day Celebrations

Date of Event: 15 August 2025

Venue: NNRG Campus

On the occasion of the 79th Independence Day of India, Nalla Narasimha Reddy Education Society's Group of Institutions celebrated Independence Day on 15 August 2025 with patriotic fervour.

Faculty and staff of the institution, including the Department of Computer Science and Engineering – Data Science, attended the celebrations.

The National Flag was hoisted by the Director, Dr. C.V. Krishna Reddy. On this occasion, the Director delivered a speech highlighting the significance of Independence Day, the values of freedom, unity and responsibility, and inspired the gathering to contribute to the nation's progress through education, discipline and service.

The programme reaffirmed the commitment of the NNRG fraternity—faculty and staff—to the ideals of the nation and to building globally competent and ethically strong professionals.





7.2 Orientation Programme – CSE (Data Science)

Date of Event: 19 August 2025 (CSE – AI&ML and CSE – Data Science orientation day)

Venue: College Auditorium (3rd Floor), NNRG

Nalla Narasimha Reddy Education Society's Group of Institutions, School of Engineering, organized the B.Tech Orientation Programme for first-year students and parents from 18 to 20 August 2025. Orientation for CSE (AI&ML) and CSE (Data Science) was held on 19 August 2025.

The programme was inaugurated with lighting of the lamp and an invocation song. Director Dr. C.V. Krishna Reddy welcomed parents and students, congratulated them on choosing NNRG, and shared the institution's vision of producing globally competent and ethically strong professionals. Dean, School of Engineering, Dr. G. Janardhana Raju, highlighted industry–institute connect through EDC, IIIC and IIC cells.

On 19 August 2025, Prof. V. Indrani, HoD – CSE (Data Science), addressed the newly admitted students and parents about the prospects of the Data Science stream, academic expectations, and opportunities ahead. The day concluded with a vote of thanks and the National Anthem. Lunch was provided to first-year students, parents and staff.



7.3 Guest Lecture: Future with AI Transformations Centific Pre-Placement Talk

Date of Event: 23 August 2025

Resource Person: Ms. Titli Banerjee, Global Project Lead, Centific Global Solutions Inc., Hyderabad

Organized by: Industry Institute Interaction Cell (IIIC) / Department of CSE – Data Science

Attendees: B.Tech Data Science final-year students (about 60)

The Department of Computer Science and Engineering – Data Science, through the Industry Institute Interaction Cell (IIIC), organized a technical session titled “Future with AI Transformations” for B.Tech DS final-year students. Ms. Titli Banerjee (Global Project Lead, Centific Global Solutions Inc., Hyderabad), with over a decade of industry experience, served as the resource person.

Session highlights included emerging AI trends, real-world use cases, automation and decision-making with AI, upskilling for industry readiness, and career pathways in AI-driven roles. The session was interactive, with students actively participating in discussions on AI careers and industry expectations. Feedback from participants was highly positive.

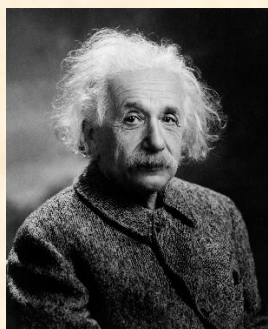
Outcome: The programme strengthened awareness of AI technologies and industry practices among Data Science students and supported industry–institute connect for the department.



WORDS OF WISDOM

“Education is the manifestation of the perfection already in man.”

– Swami Vivekananda

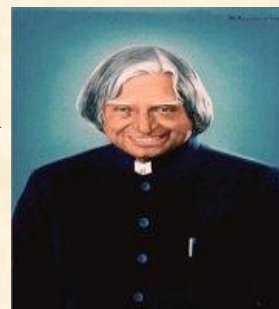


“The value of a college education is not the learning of many facts but the training of the mind to think.”

– Albert Einstein

“Learning gives creativity, creativity leads to thinking, thinking provides knowledge, and knowledge makes you great.”

– Dr. A.P.J. Abdul Kalam





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)

