R N SHETTY TRUST®

RNS INSTITUTE OF TECHNOLOGY

ESTD.:2001

An Institute with a Difference

AN AUTONOMOUS INSTITUTION UNDER VTU



Dr. R N Shetty
Founder

Department Newsletter - DATAVERSE

2023-24 Issue - 1







Department of CSE(Data Science)

About the Department

The Department of CSE (Data Science) was established in 2021–22 to meet the growing demand for skilled data professionals. With an annual intake of 120 students, the department blends strong academic foundations with hands-on research opportunities.

Our faculty members, drawn from premier institutes in India and abroad, bring a rich mix of industry and R&D experience. Students are encouraged to explore research during their UG and PG studies, paving the way for careers as data engineers and scientists.

With state-of-the-art infrastructure and high-caliber teaching, the department provides a stimulating environment that nurtures innovation and excellence in data-driven problem solving.





Vision

Empowering students to solve complex real-time computing problems involving high-volume multi-dimensional data.

Mission

- Provide quality undergraduate education in both theoretical and applied computer science to solve real-world problems.
- Conduct research to develop algorithms that solve complex problems involving multi-dimensional high-volume data through intelligent inferencing.
- Develop good linkages with industry and research organizations within India and abroad to expose students to global problems and find optimal solutions.
- Creating confident graduates who can contribute to the nation through high levels of commitment, following ethical practices, and with integrity.



Message from the Principal

It is my privilege to lead RNS Institute of Technology, founded in 2001 by our revered Chairman, Dr. R. N. Shetty, with the vision of creating a center of excellence in technical education.

At RNSIT, we foster a learner-centric ecosystem, where education is not just about knowledge, but also about character building and lifelong skills. With NBA and NAAC accreditation, dedicated faculty, R&D activities, and world-class infrastructure, the institute has achieved nearly 200 university ranks, excellent placements, and strong industry collaborations.

I warmly welcome students from across the country to join this esteemed institution and be part of our journey towards excellence.

– Dr. Ramesh Babu H S, Principal

Message from the HOD

On behalf of the faculty and staff of the CSE (Data Science) Department, I warmly welcome you to our academic community.

The ever-growing volume of data across domains demands intelligent algorithms for analysis and knowledge discovery. At RNSIT, we ensure students integrate theory with hands-on projects, gaining opportunities to explore applied research, industry collaboration, and societal problem-solving.

With a strong ecosystem connecting academia, research, and industry, we prepare our graduates for challenging careers and higher studies, while fostering innovation and integrity.

– Dr. Mohan H S, HOD (CSE – Data Science)

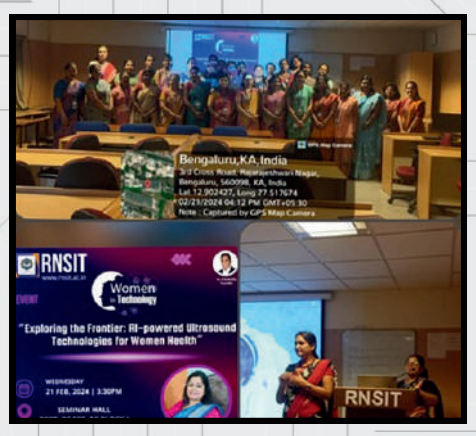


Events

Orientation Program

An orientation session was conducted for 3rd semester students to introduce them to the academic structure and department expectations. Dr. Mohan H. S, HoD, addressed the students and encouraged them to explore opportunities in Data Science and actively engage in academics and co-curricular activities.





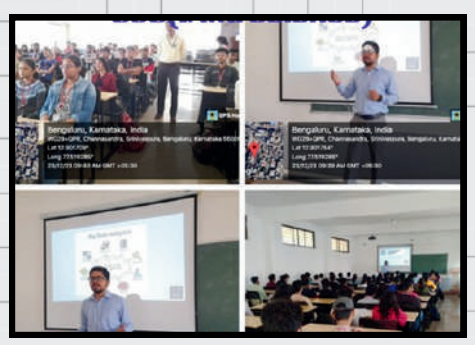
AI in Ultrasound

A technical talk by Ms. Vinutha S., Assistant Professor, highlighted the role of Artificial Intelligence in ultrasound technologies for women's healthcare. The session showed how AI improves diagnostic accuracy and early detection, inspiring students to explore healthcare-focused technologies.

Industry Readiness

A career-oriented talk on Industry Readiness was delivered by Dr. Naveen L., Cognizant Technology Solutions, focusing on the skills and mindset required to meet industry expectations. The session guided students on bridging the gap between academics and professional requirements.





Data Analytics

An expert talk by Mr. Naman Sinha introduced students to the journey from raw data to actionable insights. The session highlighted real-world applications of data analytics and emphasized the importance of practical skills for industry readiness.

Expert Talk on Future of AIML

An expert talk on Artificial Intelligence and Machine Learning introduced students to key concepts and real-world applications. The session highlighted emerging trends and motivated students to explore AI & ML technologies.





Web Development Bootcamp

A frontend web development bootcamp titled "WEAVE YOUR WEB" was organized by 5th semester students for 3rd semester students to introduce them to modern web design practices. The workshop provided hands-on exposure to HTML, CSS, and basic JavaScript.

Chiguru Farm Visit

A field visit to Chiguru Farm was organized to give students practical exposure to real-world agricultural practices and sustainability concepts. Dr. Srinivas A. guided the students through the farm, explaining how data-driven methods can support smart farming and decision-making in agriculture.



Faculty Achievements

The Department of Computer Science & Engineering (Data Science) takes pride in the academic and research accomplishments of its faculty members. During the academic year 2023-24, faculty actively contributed through patents, funded research projects quality publications, and participation in Faculty Development Programs (FDPs), strengthening both teaching and research culture within the department.

Patents

Faculty Name	**Title**	**Status / Amount**
Dr. Sreevidya R C	Third Eye – An Assistant for Visually Impaired Person	Published
Mr. Sunil G L	Ai Based Humanoid Industrial Robot	Granted

Faculty Development and Academic Engagement

Faculty members actively participated in various Faculty Development Programs (FDPs) workshops, seminars, and conferences during the academic year to stay updated with emerging technologies and modern teaching methodologies.

Key areas covered include:

- Python Programming, Data Structures, Artificial Intelligence, Big Data and Cloud Computing
- Outcome Based Education (OBE), NEP 2020, and NBA Accreditation.
- Research Methodology and Virtual Laboratory Training.
- Leadership Development and Teaching Excellence Programs.

Through continuous professional development, the faculty ensure that students receive industry-relevant knowledge and high-quality academic guidance.

Faculty Achievements

Research Publications

Faculty members have published several research papers in reputed international journals and conferences, contributing to advancements in Data Science, Artificial Inteligence, and computing technologies



Publications by Dr. Mohan H S

- Development of Fragmentation to Create a Big Data Security Framework Using Blockchain Innovation - International Journal of Intelligent Systems and Applications in Engineering (Q3)
- A Secure Framework for Effective Workload Resource Management - Indonesian Journal of Electrical Engineering and Computer Science (Q3)
- Improving Big Data Analytics Data Processing Speed Through Map Reduce Scheduling Using Genetic Optimization Techniques - Journal of Intelligent and Fuzzy Systems (Q3)
- Hybrid Adam Coati Optimization with DLSTM for Biomedical Parameter Prediction - IEEE ICEDCE-2024 (Best Paper Award)



Publications by Dr. Sreevidya R C

- Model Design to Analyse Coronary Artery Disease Using Machine Learning Techniques -Springer (IoT with Smart Systems)
- ANN Based Handwritten Maths Equation Solving System - IEEE Conference 2024
- Hand Gesture Based Computer Screen Control - IEEE Conference 2024



Publications by Prof. Saravana M K

- Unsupervised MTS Anomaly Detection with Variational Auto Encoders - Springer, International Conference on Frontiers in Computing and Systems

Achievements of Students

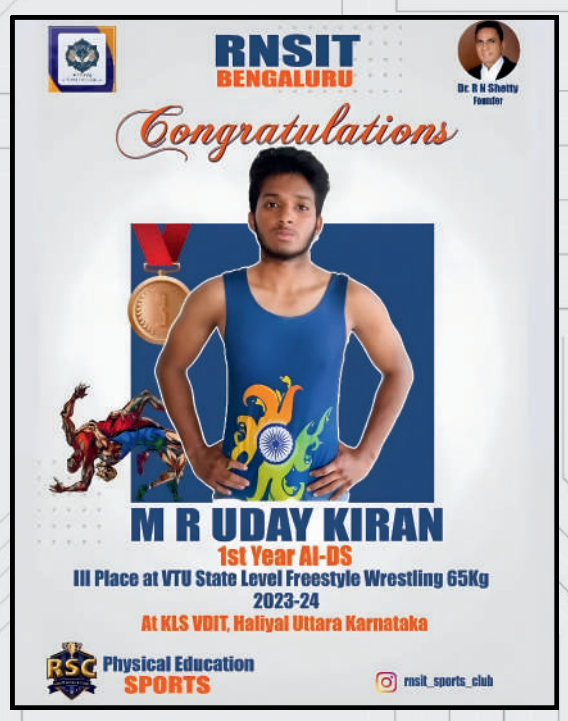
SPORTS ACHIEVEMENT







Sathya Ranjan Sahoo (5th Semester) represented the institution at the All India National Field Indoor Archery Championship held in Pune from 1–4 February 2024 and secured Gold and Silver medals.



Uday Kiran M R (1st Year AI–DS) secured III Place in the VTU State Level Freestyle Wrestling Championship (65 kg category), 2023–24, held in Uttara Kannada, Karnataka.



Sinchana represented RNSIT in the ZEAL Inter-Collegiate Volleyball Tournament 2024, conducted at BMS College for Women, Bengaluru, from 8th to 13th May 2024.

Achievements of Students

SPORTS ACHIEVEMENT

AGONES 2023-24

SPORT	PRIZE
Throwball(W)	WINNER
Tug Of War(W)	WINNER
Athletics 200m(W)	RUNNER UP 2
Relay(W)	RUNNER UP 1
Shot Put(W)	WINNER, RUNNER UP 1
Deadlift 66-78kgs(M)	1st PLACE
Deadlift below 66(M)	2nd PLACE
Deadlift 42-55kgs(W)	2nd PLACE
Deadlift 56-82kgs(W)	1st PLACE and 2nd PLACE

PLACEMENTS

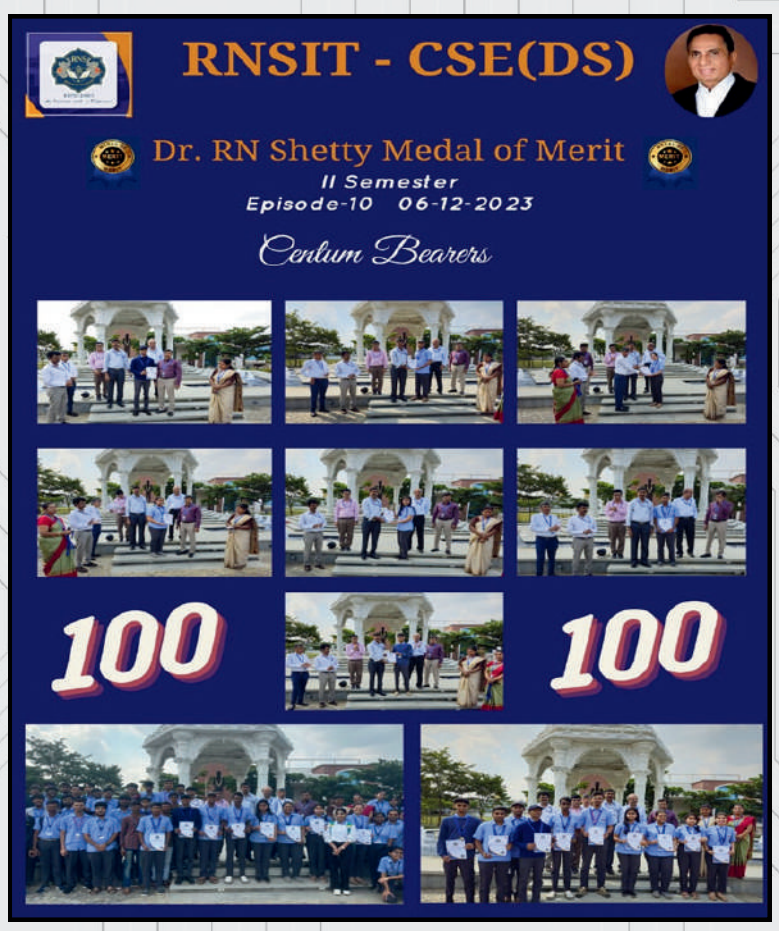




Achievements of Students

RESULTS AND MEDAL OF MERIT





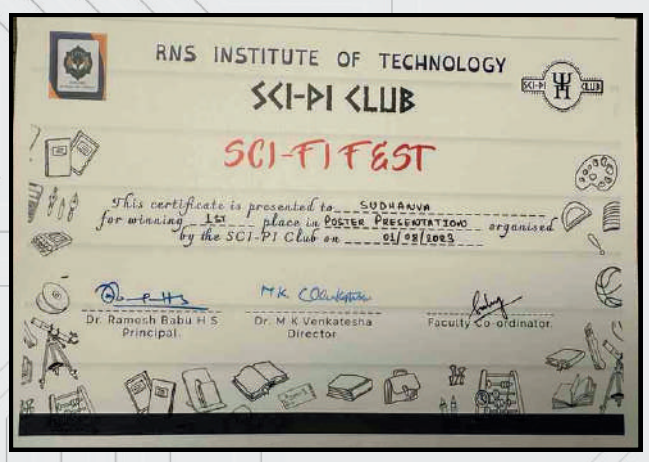


Result Analysis

Batch	I	II	III	IV	V	VI
2021-2025	85.24	93.40	85.29	92.64	89.70	94.11
2022-2026	93.16	93.00	89.47	87.21		
2023-2027	91.12	92.8				

Achievements of Students

EXTRACURRICULAR ACTIVITY



🥇 **Sudhanva**
1st Place in Poster Presentation, SCI-FI 2023



🥇 **Anusha R**
1st Place in Walkathon, CANWALK 2024



🥈 **Shalini M**
2nd Place in Essay Writing, National Science Day



Satyam Bharadwaj
Participated in MyMike Season 4



Gokulnath V
Participated in GLC-HP Hackathon



Nagadatta Aparna
Participated in Data Engineering Workshop



Satyam Bharadwaj
Participated in Ethical Hacking Program



Santosh A
Participated in TerraTech Hackathon



Sanjana Reddy
Completed German A1.1 course

Achievements of Students

MOOC AND NPTEL

Sl. No.	Subject	Course	Sem	Status
1	Principles of Programming	Programming in C	1st	126
2	Innovative Design Thinking	Design Thinking	1st	129
3	Data Structures and Applications	Data Structures and Algorithms	3rd	117
4	Data Analytics with R	Python foundation Certification	3rd	105
5	Angular Java script	Python foundation Certification	5th	68
6	Principles of Artificial Intelligence	Artificial Intelligence Foundation Certification	5th	68
Proctored Certificates-241 Non-Proctored Certificates-372		Total No. of Certifications-613		
NPTEL Certifications		Total No. of Certifications-50		

Sl. No.	Student Name	CGPA	NPTEL Course Registered
1	Aditi Ashok Jangamakote	8.95	Google Cloud Foundations, Getting started with competitive programming
2	Aditya K Bhat	8.12	Industrial IOT, Natural Language Processing
3	Kavya Shree C A	8.3	Google Cloud computing foundations, Natural Language Processing
4	Jahnavi Naidu	9.25	Google Cloud computing foundations, Getting started with competitive programming
5	Nagadatta Aparna	7.94	Google Cloud computing foundations, Getting started with competitive programming
6	Prateek V K	9	Industrial IOT, Natural Language Processing
7	Putta Sathvik	8.5	Natural Language Processing, Getting started with Competitive programming
8	Shreya J	8.4	Google cloud computing, Software Testing
9	Ruchitha T	7.92	Google cloud computing, Software Testing

Student Clubs

ESPONICA

CODE CLUB

FESTS AND EVENTS





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EDITORIAL BOARD

FACULTIES



Dr. Mohan H S
HOD, Dept. Of CSE(Data Science)



Ms. Anu Mathews
Asst. Professor

STUDENTS



Gokulnath V
1RN21CD015



Venen Alex A
1RN22CD115



Nishvika Nayana Gowda
1RN22CD055



Poorvitha B G
1RN22CD061



Vishwanath V
1RN22CD117



Impana P Nittur
1RN22AD017

Department of CSE(Data Science)