GH raisoni COLLEGE | Engineering and Management Nagpur

(An Autonomous Institute Affiliated to
Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)
Accredited by NAAC with "A+" Grade

(Formerly known as G H Raisoni Institute of Engineering & Technology, Nagpur)

Department of Data Science



Presents

DATA SCIENCE

2024-25

raisoni EDUCATION

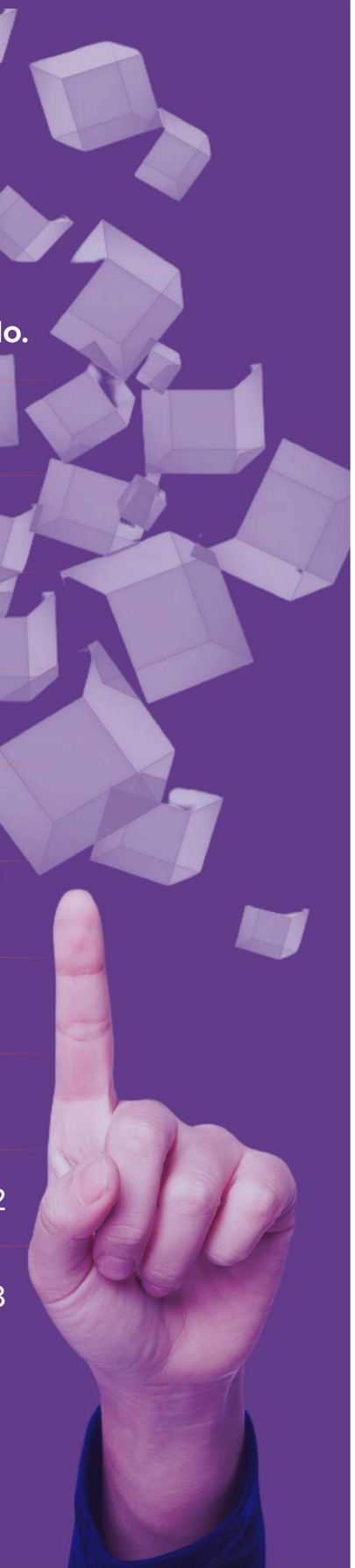
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GH raisoni COLLEGE | Engineering and Management Nagpur

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Vision & Mission of the Institute

VISION

To achieve excellent standards of quality education by keeping pace with rapidly changing technologies & to create technical manpower of global standards with capabilities of accepting new challenges

MISSION

- Our efforts are dedicated to impart quality and value based education to raise satisfaction level of all stakeholders.
- Our Strength is directed to create competent professionals.
- Our endeavor is to provide all possible support to promote research & development

Chairman's Message

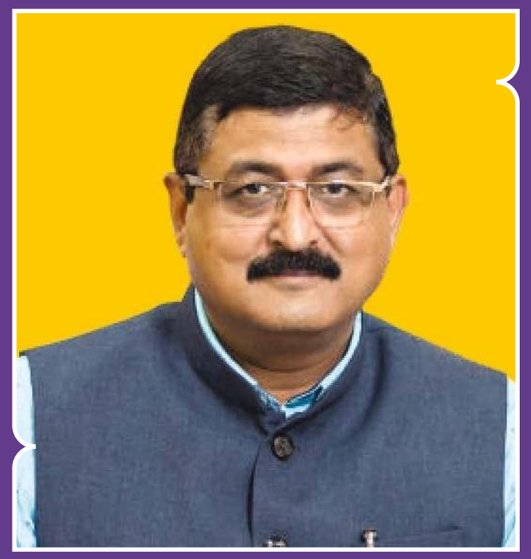


Shri. Sunil Raisoni
Chairman, RGI

Innovation is the cornerstone of progress in today's world. At RGI, we are dedicated to continually evolving our educational programs to ensure they remain relevant to our students, industry partners, and stakeholders. Our primary goal is to enhance student employability by offering an enriching experience that equips them to face future challenges. By actively collaborating with the corporate sector, we aim to open up diverse opportunities for our students, ensuring they are well-prepared for successful careers.

Our vision is for GHRCEMN to play a pivotal role in shaping tomorrow's leaders, cultivating individuals who will make a global impact. We are committed to providing the nation with highly trained, inquisitive minds who are persistent in transforming both their own lives and those of their organizations, contributing to national progress. We wish our graduates every success in their future endeavors.

Director's Message



Dr. Vivek Kapur
Director, GHRCEMN

It gives me immense pride to see the growth of our Data Science Department. In an era where data drives innovation and progress, our department continues to shape bright minds into future leaders of technology.I deeply value the efforts of our faculty and the enthusiasm of our students, whose combined dedication makes this department a true center of excellence. May this magazine reflect your creativity, knowledge and passion, inspiring many more milestones ahead.

HOD's Message



Dr. Madhuri Tayal
HOD

Our Data Science Department has always strived to blend knowledge with innovation, creating an environment where students can explore, learn, and excel. It is truly inspiring to witness their passion and creativity reflected in this magazine.I congratulate the faculty and students for their hard work and dedication and I am confident that the department will continue to achieve greater heights in academics, research and industry contributions.

Forum Incharge



Prof. Shivani Harde

It gives me immense happiness to see the creativity and dedication of our students through this magazine. The Data Science Department Forum has consistently encouraged innovation and teamwork and this effort truly reflects that spirit. I wish the students success in all their future endeavors.

Forum Incharge



Prof. Reena Chauhan

This magazine reflects the talent, energy and passion of our students. It is a pleasure to be part of their journey and witness their growth in both academics and skills. I congratulate the team for their hard work and wish them continued excellence ahead.

Magazine Incharge



Prof. Pragati Agrawal

It is a privilege to be the Magazine Incharge for the Data Science Department. This magazine is not just a collection of pages but a reflection and celebration of the creativity, knowledge and hard work of our students. I extend my heartfelt appreciation to the student editorial team, whose dedication and teamwork made this initiative possible. I congratulate everyone involved and wish the department many more such milestones in the future.

Step into the world of data, ideas and inspiration — welcome to our magazine

Glimpses of Forum

- FORUM INSTALLATION
- DATA CRUX
- DATATRON
- ESPORTS (BGMI)
- EXTEMPORE
- PROJECT CRAFTERS
- C I HACKATHON
- CODE CRAFTERS
- WORKSHOP
- SPORTS CARNIVAL
- BASKETBALL

Forum Installation

The Department of Data Science, GHRCEM Nagpur, proudly celebrated the installation of the Data Crux Student Forum, Project Crafters Club and Code Crafters Club on August 21, 2024.The event began with a graceful Saraswati Pooja and classical dance followed by the felicitation of our esteemed dignitaries – Chief Guest Dr. Anand Shakya, Director Dr. Vivek Kapur Sir, and HOD Dr. Madhuri Tayal .Highlights included inspiring speeches, the symbolic batch distribution ceremony, certificate presentations to 15 achievers and vibrant cultural performances. The evening concluded with a warm reception, celebrating unity, leadership and creativity.

This milestone marks a new chapter for Data Science students – a platform to explore ideas, showcase talent and lead with innovation.










Datatron



The Department of Data Science Engineering, GHRCEM, Nagpur organized a National Level Technical Fest – TECHKRUNCH 2025 on 16th & 17th April 2025 at the GHRCEM Nagpur campus. The two-day fest aimed to provide a vibrant platform for students to showcase their technical expertise, innovation, and problem-solving skills. The event witnessed enthusiastic participation with over 400 students from across Nagpur, ensuring remarkable engagement and competitive spirit. The fest featured four signature events that brought excitement and challenge: Emoji Enigma – decoding technical clues through emojis. Balloon Bash – fun, hands-on engineering challenges with a twist. Tech Hunt – a thrilling, tech-based treasure hunt. Extreme Fit – a blend of technical and physical endurance challenges. Participants showcased exceptional talent, creativity, and teamwork, making the fest a grand success. Winners were felicitated with cash prizes in recognition of their achievements.









BGMI Esports Tournament

The Data Science Department of G H Raisoni College Engineering and Management, Nagpur organized a BGMI Esports Tournament under the DataCrux Forum on 29th January 2025. Open to all GHRCEM students, the event saw enthusiastic participation from 35 teams. Battlegrounds Mobile India (BGMI), a popular multiplayer mobile battle royale by KRAFTON, set the stage for an intense and engaging competition. The event was organized and coordinated by Prof. Shivani Harde under the guidance of Dr. Madhuri Tayal, HOD, Data Science. The tournament not only highlighted gaming skills but also encouraged strategic thinking and team coordination. It was a thrilling experience that fostered camaraderie and digital competitiveness among students.







Extempore Competition under Shown Tell activity

The Department of Data Science, GHRCEM, Nagpur, organized an Extempore Competition under the Data Crux Forum on 4th April 2025 at 11:30 AM in offline mode. Aimed at enhancing students' spontaneous speaking skills and confidence, the event saw participation from 10 students across departments. Each contestant received a random topic and spoke after brief preparation on subjects ranging from AI and privacy to happiness and work-from-home culture. The diverse range of topics sparked thoughtful reflections and engaging viewpoints. Judged by Prof. Sanjeevani Bakale on content, clarity and presentation, the event was coordinated by Ritansh Khapre, Ayushi Akre and Ms. Shivani Harde under the guidance of Dr. Madhuri Tayal, HOD, Data Science.







Campus innovate hackathon

The Department of Data Science, GHRCEM, Nagpur, organized the Campus Innovate Hackathon under the Project Crafters Club on 19th March 2025. A total of 32 teams participated, presenting innovative solutions aligned with Smart India Hackathon problem statements. The event was inaugurated by Dr. Sonali Ridhorkar (HOD, CSE) and Dr. Madhuri Tayal (HOD, Data Science), who inspired students with insights on innovation and problem-solving. The hackathon was a resounding success, showcasing creativity and technical excellence. It fostered a culture of collaboration, critical thinking, and hands-on learning among participants. We extend our heartfelt thanks to Director Dr. Vivek Kapur and Dr. Madhuri Tayal, HOD for their constant support and encouragement.







Campus Innovate Hackathon

























HTML and CSS Workshop by Code Crafters Club

We are pleased to share that the Department of Data Science successfully organized an “HTML and CSS” workshop on 6th September 2024, led by the Code Crafters Club. Held in the Ground Floor Lab, Block C, the session saw enthusiastic and active participation from students. Senior students mentored juniors through hands-on sessions on front-end development, fostering peer learning and teamwork. We sincerely thank our Honourable Director, Dr. Vivek Kapur and HOD, Dr. Madhuri Tayal for their continuous support and encouragement.







Winners of this Event:

1) Shrushti Kurve – Data Science, Year: 2nd

2) Atharva Tiwari - Data Science, Year: 2nd









Basketball Competition for boys under Sports Carnival 2024

The Department of Data Science, GHRCEM Nagpur, successfully organized the Boys’ Basketball Competition from 12–14 September, 2024.Six enthusiastic teams competed with remarkable energy and sportsmanship. The grand finale witnessed an intense showdown between B.Tech AI and B.Tech CSE, where the AI Department emerged as champions, while CSE secured the runner-up position.The tournament was filled with thrilling matches, buzzer-beater moments, and vibrant cheers from the audience, creating an electrifying atmosphere. Each team displayed exceptional teamwork and resilience, reflecting the true spirit of healthy competition.The smooth execution of the tournament was made possible through the efforts of faculty members, student coordinators, and volunteers. We express our sincere gratitude to Dr. Madhuri Tayal Mam, HoD, Data Science Department, for her guidance, and to our Director, Dr. Vivek Kapur, for his constant encouragement and support.





The Learning Curve

SKILL TRAINING

INDUSTRIAL VISIT

PLACEMENT ORIENTATION

Skill Training Program

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Dr. Madhuri Tayal, HOD for their constant support and encouragement.





Industrial Visit III-Semester

Department of Data-Science has organised a "Industrial Visit Program at Maharashtra Remote Sensing Applications Centre, Nagpur" on 22nd July 2024 for III Semester students. It aimed at enhancing students' practical skills and knowledge of Remote Sensing effectively. The training was led by Sanjay M. Apturkar, an Associate Scientist in MRSAC, Nagpur. The program saw enthusiastic participation from students. Attendance was good, ensuring full engagement and participation from all students. Mr. Apturkar employed a mix of lectures and hands-on exercises to ensure a comprehensive learning experience. The curriculum was designed to provide both foundational knowledge and advanced techniques in remote-sensing learning and deployment strategies. We sincerely appreciate the guidance, support, and inspiration provided by our esteemed director, Dr. Vivek Kapur. His visionary leadership and encouragement continually motivate us to strive for excellence in all our endeavors. We also extend our heartfelt gratitude to Dr. Madhuri Tayal, HOD, Data Science and Prof. Pragati Agrawal, the industrial visit incharge. Their dedication and meticulous planning ensured the smooth execution of this event, making it a resounding success.



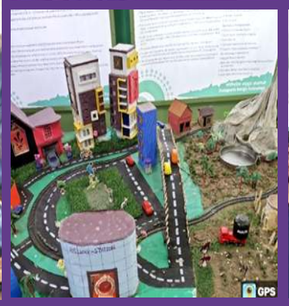
Industrial Visit V-Semester

Department of Data-Science has organized a "National Environmental Engineering Research Institute, Nagpur" on 29th July 2024 for V Semester students. It aimed at enhancing students' practical skills and knowledge of Remote Sensing effectively. The training was led by Mr. Mohtaseen Ahmed, Associate Scientist in NEERI, Nagpur. The program saw enthusiastic participation from students. Attendance was good, ensuring full engagement and participation from all students. Mr. Ahmed employed a mix of lectures and hands-on exercises to ensure a comprehensive learning experience. The curriculum was designed to provide both foundational knowledge and advanced techniques in environmental-engineering learning and deployment strategies. We sincerely appreciate the guidance, support, and inspiration provided by our esteemed director, Dr. Vivek Kapur. His visionary leadership and encouragement continually motivate us to strive for excellence in all our endeavors. We also extend our heartfelt gratitude to Dr. Madhuri Tayal, HOD Data Science and Prof. Pragati Agrawal, the industrial visit incharge. Their dedication and meticulous planning ensured the smooth execution of this event, making it a resounding success.











Placement Orientation Program

The Department of Data Science organized a Placement Orientation Program & Internship Awareness Program on 12th August 2024 to prepare students for successful careers in the field of data science. The session was led by Mr. Gurupal Singh, a distinguished expert in the domain.Mr. Singh provided an insightful overview of the data science industry, highlighting the rapidly growing demand for data scientists and the diverse career opportunities available. He emphasized the importance of understanding various roles within the field, such as data analysts, data engineers, and machine learning engineers.The program covered essential technical skills required in data science, including programming proficiency in Python and R, statistical analysis, and machine learning. In addition, Mr. Singh stressed the significance of soft skills such as problem-solving, critical thinking, and effective communication. The session also highlighted various platforms and resources for securing internships in data science. He shared his own experiences along with success stories of past students who secured prestigious internships through strategic networking and targeted applications.We sincerely appreciate the guidance, support, and inspiration provided by our esteemed Director, Dr. Vivek Kapur, whose visionary leadership continually motivates us to strive for excellence.We also extend our heartfelt gratitude to Dr. Madhuri Tayal, Convenor of the Placement Orientation Program & Internship Awareness Program and Head of the Department of Data Science. Her dedication and meticulous planning ensured the smooth execution of this event, making it a resounding success.





Mentor's Mirror

FACULTY DEVELOPMENT PROGRAM

FACULTY ACHIEVEMENT

Memorandum of Understanding (MOU) between G H Raisoni College of Engineering and Management and IVOZ Private Limited

The Department of Data Science organized a Memorandum of Understanding (MoU) signing ceremony on 17th February 2025 at G H Raisoni College of Engineering and Management (GHRCEM), Nagpur, with IVOZ Private Limited, located at Khadgaon Road, Opposite Arco Road Lines, Wadi, Nagpur. The objective of this collaboration was to foster strong academia–industry partnerships, enhance skill development, and provide students with practical exposure to real-world challenges in technology and business.The MoU signing marked a significant step towards bridging the gap between academic knowledge and industry practices. Both institutions committed themselves to work collaboratively for student success and to prepare the next generation of technology leaders.The program witnessed enthusiastic participation and reflected the institute's continuous efforts in building industry connect for holistic student development.We sincerely appreciate the guidance, support, and inspiration provided by our esteemed Director, Dr. Vivek Kapur, whose visionary leadership continually motivates us to strive for excellence.We also extend our heartfelt gratitude to Dr. Madhuri Tayal, Convenor and Head of the Department of Data Science, whose dedication and meticulous planning ensured the smooth execution of this event, making it a resounding success.



Award for contributions to the field of education

We have some wonderful news to share! The Ram Manohar Lohia Research Foundation in Hyderabad has recognized one of our esteemed academic members, Prof. Reena Chauhan, with a prestigious award for her noteworthy and impactful contributions to the field of education. The distinguished Telangana governor graciously presented the honor. This recognition is a result of her diligence, unwavering commitment, and innovative teaching methods that have inspired many.We want to sincerely thank the Honorable Governor, the Foundation, and all of our fellow educationists for their constant encouragement, guidance, and support throughout this journey.The outstanding accomplishment of the Data Science department was also proudly acknowledged by the Honorable Director, Dr. Vivek Kapur of GHRCEM, Nagpur.







Faculty Development Programme

We are delighted to share the successful completion of a one-week FDP on "NLP Trends and Applications" (13–22 Jan 2025), organized by E & ICT Academy, NIT Warangal, and GHRCEM Nagpur, sponsored by MeitY, GoI.With 40+ participants from across India, it was an enriching journey of learning and exchange. Heartfelt thanks to Dr. Vivek Kapur (Director) and Dr. Madhuri Tayal (HOD, Data Science) for their constant guidance and support.

Event Name	Faculty Development Programme " NLP Trends and Applications (13th -22nd Jan 2025)
Event Type	Faculty Development Programme
Date & Time	13th January - 22nd January 2025 02:00 PM to 06:00 PM
Target Audience	Faculties and research Scholars from all over India
Total Registrations	43
Total Participants	43



Gateway to Success

Placement of Two Students in KPMG International Limited

We are pleased to share the exciting news that many talented students of Data Science Department, GHRCEM Nagpur, are placed in various Companies with good packages.

The Imperative transition of students from formal education to professional careers is facilitated by GHRCEM, Nagpur. The year-on-year surge in the number as well as quality of placement opportunities brought onboard for the talented pool of students at GHRCEM, Nagpur is a testimony to the consistency and hard work of the Training and Placement Cell.

We would like to thank and appreciate the Training and Placement Cell of GHRCEM, Nagpur for their support & coordination. We extend our gratitude to our Honourable Director,
Dr. Vivek Kapur Sir and
Dr. Madhuri Tayal, HOD Data Science, for their unwavering guidance.



Saniya Narnaware



Ankita Thakre

Placement List (2024 - 25)

Sr. No.	Student Name	Company Name	Package (Lacs)
1	Saniya Nanaware	KPMG	5
2	Ankita Thakare	KPMG	5
3	Mayank Pawar	Acedemor	4 to 8
4	Mrunali savarkar	Acedemor	4 to 8
5	Govind Gaidhane	Acedemor	4 to 8
6	Vaibhav Wasnik	Acedemor	4 to 8
7	Harsh Gaharwal	Acedemor	4 to 8
8	Om Dhoke	My Captain	5
9	Shil Raut	Renex Technology	7 to 10
10	Vaibhav Wasnik	Renex Technology	7 to 10
11	Sharvari Pichkade	Renex Technology	7 to 10
12	Sai Bawankar	Renex Technology	7 to 10
13	Saket achokporkar	CHPL	3 to 4
14	Prathmesh Jumle	CHPL	3 to 4
15	Ranjan Uike	CHPL	3 to 4
16	Shantanu Masurkar	CHPL	3 to 4
17	Vedanshree Sahare	Techbook	4 to 6
18	Bhavesh Meshram	Techbook	4 to 6
19	Swarnika Kokate	Techbook	4 to 6
20	Yash Meshram	Techbook	4 to 6
21	Tejas Bhusari	HCL	10
22	Ritesh Chakole	Kukreja builder	3.5
23	Sarvesh Walse	Mood scope AI	4.5
24	Rushikesh Mashidkar	Mood scope AI	4.5
25	Avantika Jayant	Malgewar Solar	4
26	Aishwarya Patil	Cognizant	4
27	Jidnyasa Naresh Sheware	HCL	4

SIH 2023 Selection & Participation



"Everyone has the fire, but the champions know when to ignite the spark." Keeping with the aforesaid, two project groups of Data Science Department, GHRIET, Nagpur has created remarkable legacy for the institute and themselves by getting selected in Smart India Hackathon 2023

Group 1 :

- Problem Statement Title - Deep Learning for terrain recognition.
- Problem Statement ID - SIH1418
- Team Name - Alpha-V6
- Team Lead - Mansi Patil
- Team Members - Sandesh Yadav, Yash Manmode, Aditya Kadu, Manas Gaurkar
- Nodel Centre - Kolhapur Institute of Technology, College of Engineering, Kolhapur Dates of Hackathon - 19th & 20th Dec, 2023 From 185 submission for this particular problem statement 5 teams are short-listed from all over India and we are one of them.

Group 2 :



- Problem statement title - Student Innovation
- Problem statement ID - SIH1467
- Team name - NEXUS-1
- Team Lead - TEJAS BHUSARI
- Team Members - Ankita Thakre, Damini Sakure Dnyaneshwari Mankar, Nupur Dharpure, Ritesh Chakole
- Nodel Centre - PVP Siddhartha Institute of Technology Dates of Hackathon - 19 and 20 December

All the students performed with great zeal and made the institute proud by representing GHRIET , Nagpur on national platform. We are grateful to our Hon'ble Director Dr. Vivek Kapur Sir and Dr. Madhuri Tayal, HOD Data Science for their unwavering guidance and support. We are also thankful to Prof. Bhupesh Lonkar SPOC, SIH for coordinating with the students and Prof. Mrunal Arjunkar for accompanying students as a mentor in the competition.

Smart India Hackathon 2024 held at Bangalore

"Everyone has the fire, but the champions know when to ignite the spark."Keeping with the aforesaid, two project groups of Data Science Department, GHRCEM, Nagpur has created remarkable legacy for the institute and themselves by getting selected in Smart India Hackathon 2024.It is the indeed a proud moment for G H Raisoni College of Engineering and Management Nagpur. The Selected Groups Participated and represented GHRCEM, Nagpur in the SIH competition.

- Team Name :- Infinite Aura
- Problem statement ID- SIH1690
- Team Lead - Omkar Ramgirwar
- Team Members -

  Nayan Dadulkar Hitesh Rinayat
  Janvi Nanotkar Kinjal Hatwar
  Shrushti Kurve
- Nodel Centre - Ramaiah University, Bangalore Dates of Hackathon - 11th & 12th Dec, 2024







All the students performed with great zeal and made the institute proud by representing GHRIET , Nagpur on national platform. We are grateful to our Hon'ble Director Dr. Vivek Kapur Sir and Dr. Madhuri A. Tayal, HOD, Data Science, for their unwavering guidance and support. We are also thankful to Prof. Girish Garghate for coordinating and accompanying students as a mentor in the competition.

Farewell to Final Year students Batch (2021-2025)



The Department of Data Science, GHRCEM Nagpur, hosted a heartfelt farewell party on 16th June 2025 for the outgoing B.Tech Batch of 2025. The evening was filled with nostalgia, joy and celebration.Dr. Madhuri Tayal Madam, HOD addressed the gathering with an inspiring message on continuous learning and professional integrity. Junior students added vibrancy with songs, dances, and fun games, while memory-sharing moments brought warmth and emotions to the occasion.The farewell marked a beautiful send-off, celebrating achievements, friendships and new beginnings.

The farewell celebration was marked by an award ceremony honoring students for excellence in academics, co-curriculars, and leadership, with special titles like Mr. & Miss Data Science. Final-year students shared heartfelt memories, expressed gratitude to their mentors, and reflected on their four-year journey. Cultural performances and fun interactions added joy to the occasion. The event concluded with a group photo session and refreshments, creating cherished moments. Overall, it was a memorable evening that celebrated achievements while strengthening the bond between students and faculty.





Farewell to Final Year Students Batch (2021-2025)







The Faces Behind



Hitesh Rinayat
(3rd Year, DS)

"Working on this magazine was a journey of learning and creativity. Every page taught me something new, and I'm grateful for the teamwork that made it possible."



Prajwal Maidpawar
(3rd Year, DS)

"Bringing together diverse thoughts into a single magazine was a challenge and a joy. I hope our efforts inspire and inform readers.

We believe this magazine will inspire curiosity, spark ideas, and celebrate the spirit of Data Science.
with Gratitude,
Team Data Science Magazine