



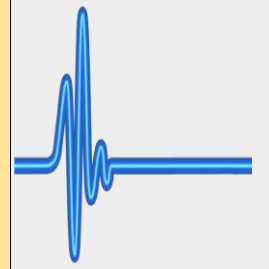
MANIPAL UNIVERSITY
JAIPUR

CCE **PULSE**

April-June 2025

Date of Published: 07-07-2025





About the CCE Department

Department of Computer & Communication Engineering, Manipal University Jaipur marked its commencement in 2015. The goal of the department is to integrate computers and communication, which includes concepts and practices of software and hardware of computers, information networks, wireless communication systems, etc. The department has been NBA-accredited for the years 2023-26. The Department of CCE offers one of the most comprehensive instructional programs enhanced with research in its emerging fields. Research at the department addresses issues across the spectrum of Computer as well as Communication engineering systems. Some of the key areas include Machine Learning, the Internet of Things (IoT), Web Technologies, Advance Computer Networking, Network and Information Security, Wireless Communication, Network on Chip (NoC), Software Testing, Computer Architecture, and Embedded Systems.

The teaching at the department is facilitated with a dedicated number of core subject labs aided by industry standard commercial hardware and software platforms like Nvidia, Param Shavak Supercomputer, Oracle, EMC2, Microsoft Office 365 cloud, .Net, Azure etc. There are special project labs for IoT and data analytics.

The department is focused on providing a realistic approach of learning to develop a dynamic student team that is efficient in meeting the ever-changing technological and social challenges.

Contents

- Workshops
- Outreach activities
- Expert Lectures
- Awards and achievements
- Publications



From The Magazine Team

Welcome to the Jan-June 2024 edition of our departmental magazine. In this edition, we try to bind together each aspect of our CCE family, and we hope it inspires every member to actively contribute to the development of the department academically and in extra-curricular activities. It represents the creative side of our students to a fair degree—something that we think we all need to reconnect with, amidst the busy schedule of semester exams, surprise quizzes, and all those assignments that make you want to bang your head on the wall. This magazine provides a platform for students and staff to share information, spread the latest technical knowledge, and cultivate the right ways that will equip all of us to stay competent in our respective fields of study, and activities.

We thank all of you who stood by us patiently and contributed to the development of our magazine when there were days when the only thing, we had to offer was our confusion.

From The HoD Desk

Dear Students, Faculty, and Readers,

It gives me immense pleasure to present the July-Dec 2024 newsletter “CCEPulse” of the Department of Computer and Communication Engineering. This newsletter highlights the remarkable achievements, events, and activities that have taken place over the past six months. From expert lectures and workshops to student projects and faculty contributions, these accomplishments reflect our collective commitment to academic excellence and innovation.

Chief Editors

Prof (Dr) Sunil Kumar

Associate Editors

Dr Sandeep Kumar Sharma
Dr Hema Shekhawat

Students Editors

Kanha Gupta
Riddhi Garg



Vision and Mission of the Department

VISION

- Inculcate academic excellence and research aptitude for social development.

MISSION

- Nurture the technical skillset of students to enable them to create an innovative solution.
- Sharpen the problem-solving skills through project-based learning.
- Serve society by inspiring young minds for research and innovation with ethical values.

Key Features

- The department has well-equipped laboratories
- All the classrooms are facilitated with state-of-the-art teaching modes
- Tie up with industries involved in research and development to give live experience to the students
- Periodic assessment and modification of the course curriculum in line with the industry requirements
- Periodic updation of the In-house Laboratories as per current industry/research requirements
- R & D activity of the staff has resulted in several publications in peer-reviewed International Journals of High Impact Factor and International/ National conferences.

30
Industry
Collaborations

95%
Campus
Placement

75%
Faculty
Members
Holding PhD

10
Crore
Scholarships

46
Incubation
Startups





Workshop on "Mastering Data Structures and Algorithms"

The Department of Computer and Communication Engineering successfully organized a two-day hands-on workshop titled “Mastering Data Structures” on 7th and 8th April 2025. The session was conducted by Mr. Shubham Purohit, an industry expert from Grrass Pvt. Ltd., Jaipur, who shared deep insights into core data structure concepts and real-world implementation techniques.

A total of 47 students actively participated in the workshop, gaining practical exposure through coding exercises, algorithm optimization, and interview-focused problem-solving strategies. The workshop was highly appreciated by attendees for its clarity, depth, and relevance to industry needs.

The workshop covered essential concepts such as: Arrays, Linked Lists, Stacks, and Queues, Trees and Graphs, Sorting and Searching Algorithms, Time and Space Complexity Analysis, Real-world application of data structures in product development, Tips for cracking coding rounds in placements.



Turing Hacks 2.0 – A 24-Hour Tech Innovation Marathon

Turing Hacks 2.0 was a thrilling 24-hour high-stakes hackathon held on 3rd and 4th April 2025, that brought together passionate developers, designers, and problem-solvers under one roof to tackle real-world challenges with innovative tech solutions. With a ₹20,000 prize pool up for grabs, the event fostered intense creativity, technical collaboration, and entrepreneurial thinking. Participants worked in teams to ideate, prototype, and pitch their solutions within the time limit, under the guidance of mentors and industry professionals. The hackathon not only tested technical skills but also pushed the boundaries of design thinking, teamwork, and innovation. The event was a grand success, showcasing brilliant ideas and solutions that reflected the future of technology, and reaffirming the spirit of collaborative learning and competitive coding.





TALK-A-THON – ALPHASIA 2.0: Bridging Academia and Industry

TALK-A-THON, held on 1st April 2025, was a thought-provoking and interactive session that brought together students, educators, and technology enthusiasts for meaningful conversations with some of the most respected minds in the industry. The event provided a unique platform to delve into the latest technological trends, innovations, and challenges through direct engagement with renowned experts. We were honored to host Dr. Lalit Sharma, a distinguished academician from Galgotias University, celebrated for his visionary contributions to education and research, and Mr. Mukesh Vyas, a senior leader from Infosys, who shared invaluable industry insights and real-world perspectives on emerging tech solutions. TALK-A-THON created an inspiring environment that encouraged dialogue, learning, and forward-thinking.



BUG HUNT – ALPHASIA 2.0

As part of the tech festival ALPHASIA 2.0, *BUG HUNT* emerges as a thrilling gaming showdown designed to ignite competitive spirit and excitement among participants. *BUG HUNT* – ALPHASIA 2.0, held on 2nd April 2025, was an electrifying gaming competition that brought together tech-savvy students and gaming enthusiasts for a high-energy showdown. The event offers a dynamic platform where students engage in strategic gameplay, showcase teamwork, and demonstrate rapid decision-making skills in a high-energy gaming environment. This adrenaline-pumping event attracted gaming enthusiasts from various domains, all competing with passion and precision. *BUG HUNT* not only entertained but also highlighted the growing intersection of gaming with critical thinking and collaboration, making it a standout attraction of the ALPHASIA 2.0 lineup.

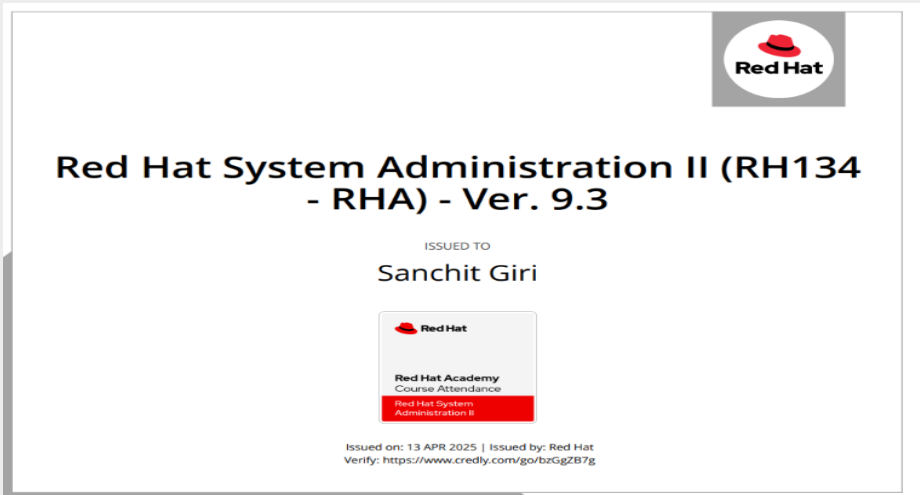




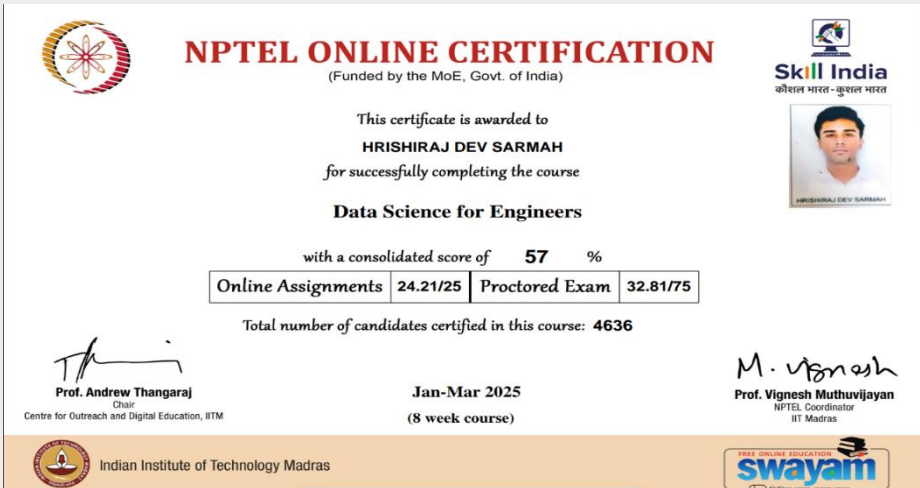
We proudly congratulate Supriya Srivastava, Gouri Sharma, Vanshika Khanna of Computer and Communication Engineering of Batch 2022 -2026 for incredible achievement as 1st Runner-Up at MUJHackX is truly commendable! Securing this position and winning ₹40,000 is a testament to your dedication, teamwork, and innovation.



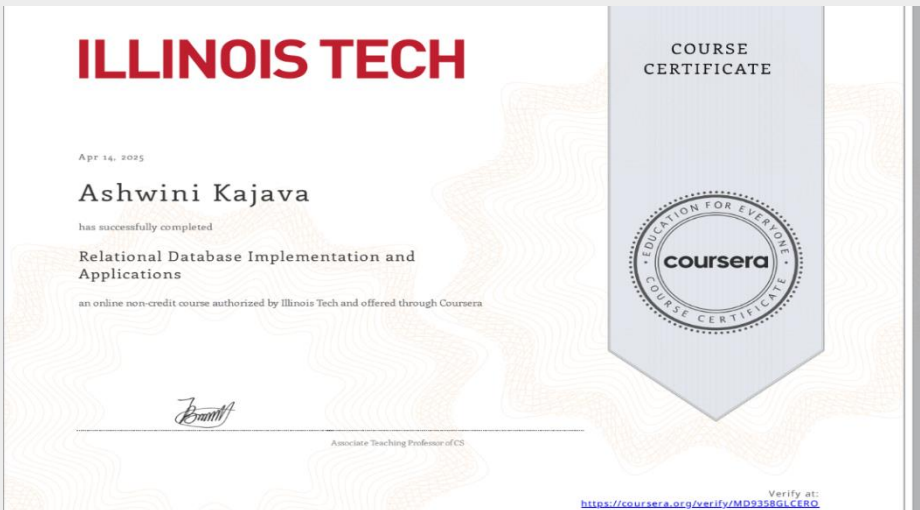
A total of 127 students successfully completed the Red Hat System Administration I (RH124) and System Administration II (RH134) courses. These certifications mark a significant step in building strong Linux system administration skills. The department congratulates all certified students on their technical accomplishment!



A total of 136 students from the department successfully completed NPTEL certification courses in Optimization for Machine Learning, Foundations of Data Science, and RDBMS. These courses enhanced their technical skills and understanding of core subjects. The achievement reflects the students' dedication to continuous learning through national platforms.



A total of 131 students have successfully completed Coursera certification courses in IBM Data Science, Google Data Analytics, and Relational Database Implementation. These globally recognized programs enhanced their practical skills in data science and database systems.







MANIPAL UNIVERSITY
JAIPUR




SCHOOL OF COMPUTER
SCIENCE & ENGINEERING

Congratulates




KANISHK DWIVEDI
B.TECH - CCE (BATCH 2022 - 2026)

on getting selected at  **CELEBAL**
TECHNOLOGIES




MANIPAL UNIVERSITY
JAIPUR




SCHOOL OF COMPUTER
SCIENCE & ENGINEERING

Congratulates



SAHIR KHAN
B.TECH - CCE (BATCH 2022 - 2026)

on getting selected at  **accenture**



MANIPAL UNIVERSITY
JAIPUR




SCHOOL OF COMPUTER
SCIENCE & ENGINEERING

Congratulates




RISHIT AGNIHOTRI
B.TECH - CCE (BATCH 2023 - 2027)

on getting selected as SAP Intern at  **ONGC**




MANIPAL UNIVERSITY
JAIPUR




SCHOOL OF COMPUTER
SCIENCE & ENGINEERING

Congratulates



SAUMYA GUPTA
B.TECH - CCE (BATCH 2022- 2026)

on getting internship at  **इसरो isro**



MANIPAL UNIVERSITY
JAIPUR



SCHOOL OF COMPUTER
SCIENCE & ENGINEERING

Congratulates



LEESHA
B.TECH - CCE (BATCH 2022- 2026)

on getting internship at  **इसरो isro**



MANIPAL UNIVERSITY
JAIPUR



SCHOOL OF COMPUTER
SCIENCE & ENGINEERING

Congratulates



BHAVYA CHAUHAN
B.TECH - CCE (BATCH 2023 - 2027)

on getting selected as Intern at  **ONGC**