



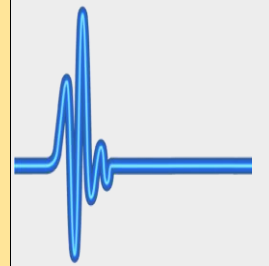
MANIPAL UNIVERSITY
JAIPUR

CCE PULSE

Jan-March 2025

Date of Published: 07-04-2025





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





Industrial Visit to Infosys – A Glimpse into the IT World

The Department of Computer and Communication Engineering organized an insightful industry visit to Infosys Technologies Ltd. on 23rd January 2025. A group of 27 students had the opportunity to explore the corporate ecosystem, gain real-time exposure to software development processes, and interact with industry professionals. The visit included sessions on emerging technologies, Infosys’ global delivery model, innovation labs, and career paths in IT. Students also witnessed the company’s work culture and project management practices, bridging the gap between academic learning and industry expectations.

This visit significantly enhanced students' understanding of industry standards, communication workflows, and tech-driven operations, making it a valuable learning experience that aligns with their academic and professional aspirations. Key highlights of the visit included: A tech talk on AI/ML and Cloud Integration in enterprise applications. A Q&A session with project managers discussing agile methodologies and DevOps practices. A walkthrough of Infosys’ Innovation Lab, showcasing current R&D initiatives.



Rapid Fire Challenge – A Battle of Brains and Speed!

The “Rapid Fire Challenge” was a dynamic and intellectually stimulating technical event organized by the Department of Computer and Communication Engineering. The aim of testing and enhancing participants' technical knowledge, quick thinking, and team coordination. The event saw enthusiastic participation from 18 teams, comprising students from various departments. It was conducted in a competitive and engaging environment, fostering learning through interaction and speed.

The primary objective of the “Rapid Fire Challenge” was to foster technical excellence, encourage collaborative problem-solving, and develop quick decision-making abilities among students. The competition included rounds like Code Debugging, Technical Trivia, Tech Pictionary, and the final Rapid-Fire Round, each designed to simulate real-time problem-solving scenarios in a competitive setup. After an intense contest, the top 3 teams were declared winners and awarded cash prizes of ₹5,000, ₹3,000, and ₹2,000, respectively.





FDP on “AI-Enabled Collaborative Learning in 6G and Beyond”

The Department of Computer and Communication Engineering (CCE) successfully organized a six-day Faculty Development Program (FDP) on “AI-Enabled Collaborative Learning in 6G and Beyond” from 20th to 25th January 2025. The program brought together a national audience of 174 faculty members representing various academic institutions across India.

This FDP aimed to equip participants with a deep understanding of cutting-edge advancements in Artificial Intelligence (AI), collaborative learning frameworks, and their transformative role in the upcoming 6G communication technologies. The sessions also explored futuristic concepts like AI-integrated edge intelligence, intelligent resource sharing, and immersive learning environments in next-generation networks.

The program was honored by distinguished speakers and researchers from premier institutes such as IITs, NITs, and IIITs, who shared invaluable insights through expert lectures, hands-on sessions, and interactive discussions.

AICTE SPONSORED ATAL FDP (Online)
on
AI Enabled Collaborative Learning in 6G and Beyond
January 20-25, 2025 6:00PM - 9:00PM

Chief Patron		Patron		Co-Patrons	
Resource Persons					
Organizing Team					
Organized By: Department of Computer and Communication Engineering Manipal University Jaipur					
				Scan to Register Contact Us Dr. Arvind Dhaka - 98825 30593 Dr. Lal Pratap Verma - 95306 69983	

Manipal University Jaipur, Dehri Kadan, Off Jaipur-Ajmer Expressway, Jaipur, Rajasthan, India - 303007.
Phone: +91 141 3999100 website: <https://jaipur.manipal.edu>

Expert Talk on “AI Tools for Coding and Entrepreneurial Journey”

The Department of Computer and Communication Engineering successfully organized an expert talk on the topic “AI Tools for Coding and Entrepreneurial Journey” on 21st March 2025. The session was delivered by Mr. Aditya Goliya, a distinguished expert and Senior Consultant at Dell Technologies, who brought with him a unique blend of industry expertise and entrepreneurial insight.

The event aimed to enlighten students and budding innovators about the evolving role of Artificial Intelligence in software development and the entrepreneurial mindset needed to thrive in the tech industry. Mr. Goliya shared practical demonstrations of advanced AI-powered coding tools and platforms that are reshaping the software engineering landscape, such as GitHub Copilot, ChatGPT, and AI-assisted testing frameworks. The talk was interactive and highly appreciated by attendees for its depth, inspiration, and real-world applicability. It encouraged students to not only become skilled coders but also to think innovatively and pursue technology-driven entrepreneurship.





Expert Lecture on “Data Science Across Industries: Insights & Career Paths”

The Department of CCE organized an insightful expert lecture on “Data Science Across Industries: Insights & Career Paths” on 21st March 2025. The session was addressed by Mr. Devansh Sachar, a seasoned Data Analyst at Bank of America, with extensive experience in Data Science, Business Analytics, and career development in the data-driven economy.

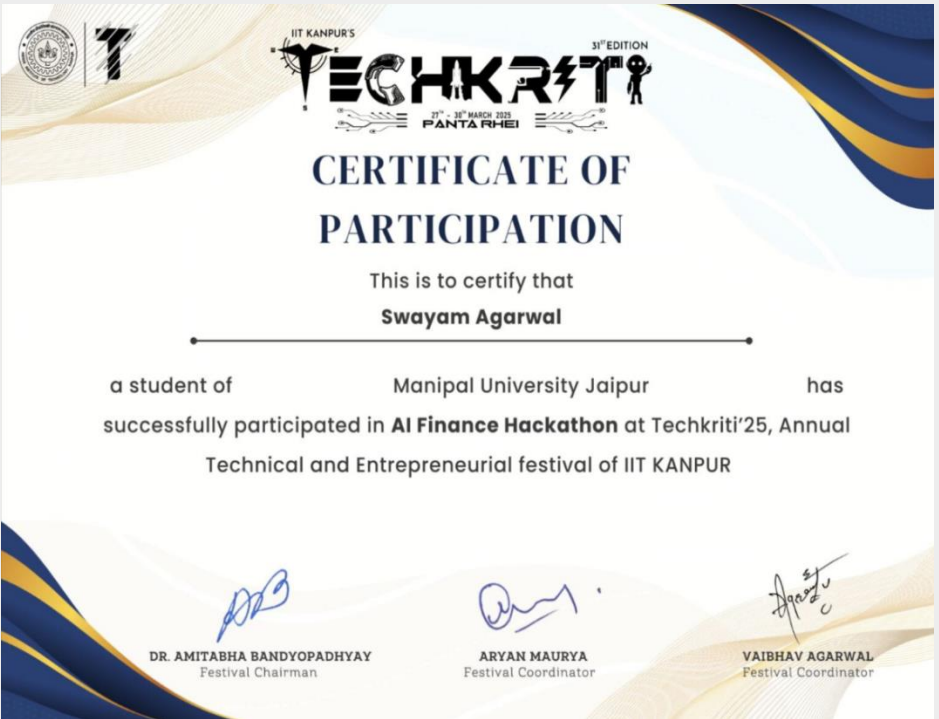
Mr. Sachar shared practical applications of data science in banking, healthcare, e-commerce, and marketing, illustrating how data-driven decisions shape industry success. He also guided students on career pathways, essential skills, certifications, and industry expectations for aspiring data professionals.



Industry Expert Talk – Cisco Recruitment & Ideathon Process

Department of CCE, Manipal University Jaipur successfully conducted an online expert talk titled “Cisco Recruitment & Ideathon Process” on 27th February 2025. The session, organized by the Department of Computer and Communication Engineering, was tailored for engineering students with a keen interest in computer networking, communication, and cryptography.

The keynote speaker, Mr. Dhruv Bhatia, shared detailed insights into Cisco’s hiring process, ideathon structure, technical expectations, and preparation strategies. The talk provided a valuable roadmap for students aspiring to build careers in top tech firms like Cisco.

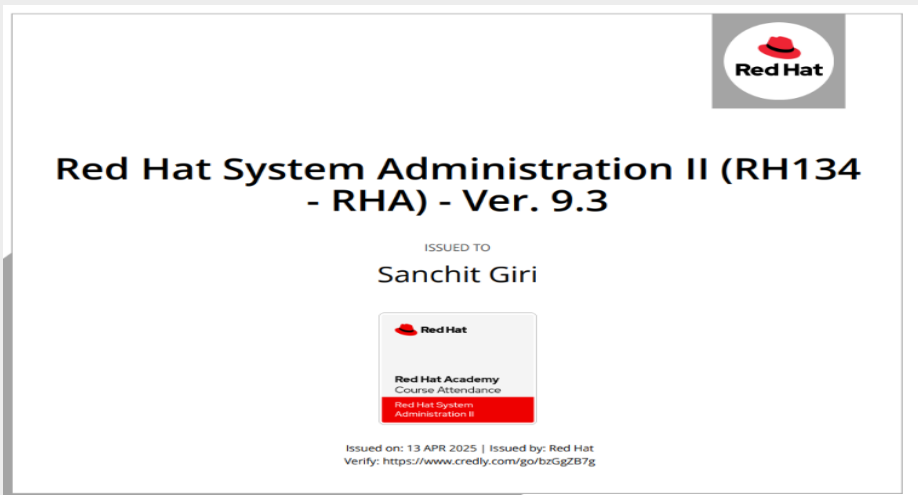




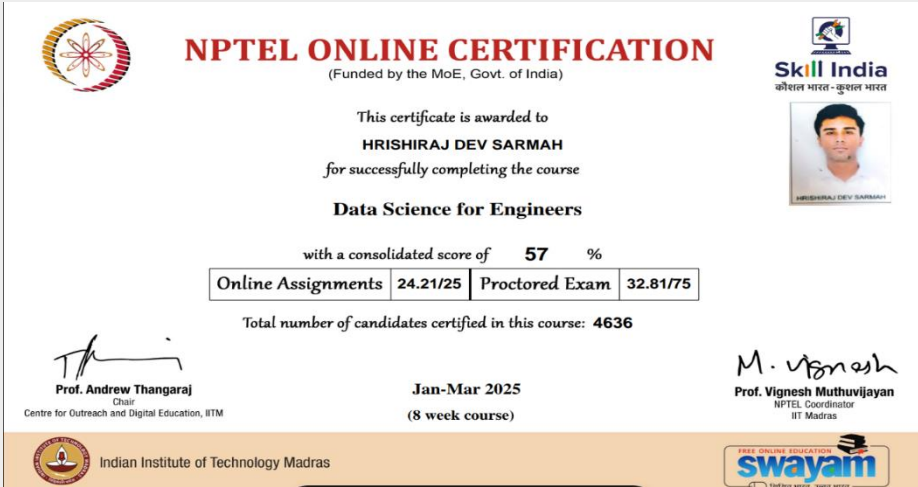
We proudly congratulate Shrivatsa Atman Trivedi, a BTech CCE student from the Department of Computer and Communication Engineering, for securing the 2nd position in Kagglethon, organized by the ACM Chapter. His achievement reflects exceptional data science and problem-solving skills. Kagglethon challenged participants to solve real-world problems using data analytics, predictive modelling, and machine learning techniques.



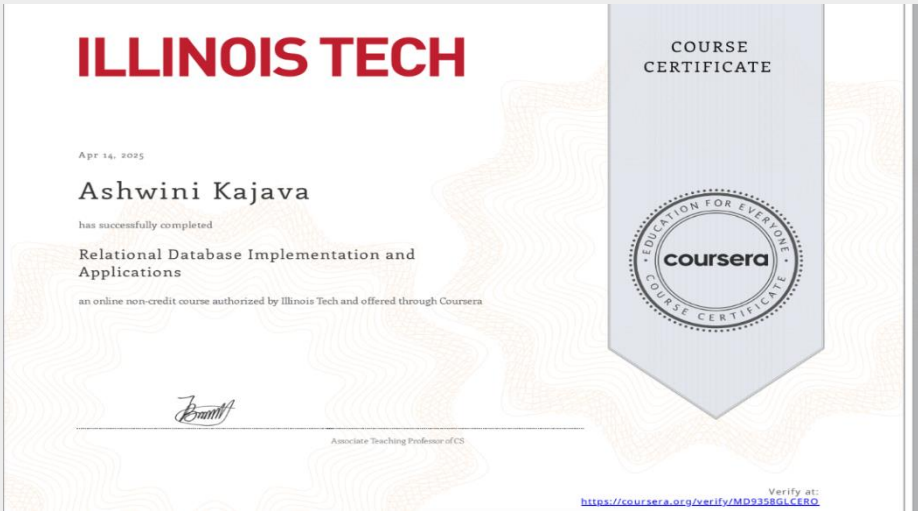
A total of 127 students successfully completed the Red Hat System Administration I (RH124) and System Administration II (RH134) courses. These certifications mark a significant step in building strong Linux system administration skills. The department congratulates all certified students on their technical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



DEPARTMENT OF COMPUTER
AND
COMMUNICATION ENGINEERING

Congratulates



KARTIK SHARMA
B.TECH - CCE (BATCH 2021- 2025)

on getting selected at
ivalue



MANIPAL UNIVERSITY
JAIPUR



DEPARTMENT OF COMPUTER
AND
COMMUNICATION ENGINEERING

Congratulates



RAGHAV JAISWAL
B.TECH - CCE (BATCH 2021- 2025)

on getting selected at **<epam>**



MANIPAL UNIVERSITY
JAIPUR



DEPARTMENT OF COMPUTER
AND
COMMUNICATION ENGINEERING

Congratulates



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

on receiving internship at **CISCO**



MANIPAL UNIVERSITY
JAIPUR



DEPARTMENT OF COMPUTER
AND
COMMUNICATION ENGINEERING

Congratulates



PRANSHU GAUTAM
B.TECH - CCE (BATCH 2022- 2026)

on receiving internship at **DELL**



MANIPAL UNIVERSITY
JAIPUR



DEPARTMENT OF COMPUTER
AND
COMMUNICATION ENGINEERING

Congratulates



AMAN GUPTA
B.TECH - CCE (BATCH 2021- 2025)

on getting selected at **JUNIPER NETWORKS**



MANIPAL UNIVERSITY
JAIPUR



DEPARTMENT OF COMPUTER
AND
COMMUNICATION ENGINEERING

Congratulates



SANKALP MISHRA
B.TECH - CCE (BATCH 2021- 2025)

on getting selected at **remidio**