COMPLUS
NEWSLETTER

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DEPARTMENT OF COMPUTER APPLICATIONS

"TECHNOLOGY IS BEST WHEN IT BRINGS PEOPLE TOGETHER"

MANIPAL UNIVERSITY JAIPUR
INSPIRED BY LIFE

A+ NAAC *ACCREDITED WITH GRADE*

DEPARTMENT OF COMPUTER APPLICATIONS

ABOUT THE DEPARTMENT

The Department of Computer Applications at Manipal University Jaipur (MUJ) strives for academic excellence with a cutting-edge curriculum. Since its inception in 2019, the department has reached significant heights, offering high-quality programs at both undergraduate and postgraduate levels. Currently, over 750 students are enrolled with 21 faculty members.

The department prepares students to design, develop, and implement software applications, emphasizing the latest programming languages and technologies. It aims to become a center of excellence, providing technical knowledge, innovation opportunities, and state-of-the-art facilities. The flexible curriculum is designed to let students explore their interests and is regularly updated with feedback from stakeholders. This foundation supports students in pursuing higher education in India and abroad.

COURSES OFFERED

- Bachelor of Computer Applications (BCA),
- BCA Specialization (Cybersecurity / Data Science)
- BCA Honors (Software Product Engineering)
- Master of Computer Applications (MCA)
- **Ph. D. (Computer Science)**

MESSAGE FROM THE HEAD OF COMPUTER APPLICATION DEPARTMENT

I am pleased to express my heartfelt appreciation for the successful release of the Newsletter from the Department of Computer Applications. Your dedication and efforts in showcasing the diverse talents of our students, both academically and creatively, are truly commendable. The Newsletter serves as a reflection of the myriad activities undertaken by our Department, offering a clear picture of our achievements. Moreover, it will play a significant role in nurturing the creative writing skills of our students and faculty members through their technical articles, essays and poetry, thereby enhancing students' reading practices. I am confident that this issue of the Newsletter will positively impact all students and individuals interested in not only Computer Applications and IT but also in arts, literature, sciences and other areas. Your continuous efforts in producing this Newsletter annually deserve immense recognition. I extend my sincere appreciation to the Department of Computer Applications and all faculty members for their wonderful contributions in accomplishing this task. Additionally, I congratulate all the students for their fruitful efforts

Dr. Shilpa Sharma Kulkarni

Associate Professor & Head,
Department of Computer Applications
Manipal University Jaipur

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INNOVATIVE IQ

"**Innovative IQ**" From 19th nov - 20th nov is a dynamic and engaging event organized to nurture entrepreneurial skills and innovative thinking among students. This event provides a platform for aspiring entrepreneurs to present their startup ideas, fostering a spirit of creativity and problem-solving. With the guidance of mentors and feedback from industry experts, participants can refine their concepts and gain valuable insights.

The event not only promotes the exchange of ideas but also serves as a hub for collaboration and networking, connecting students with like-minded individuals and professionals in the startup ecosystem. Through "Innovative IQ," we aim to empower students to take the first steps toward realizing their entrepreneurial dreams and creating impactful solutions for real-world challenges
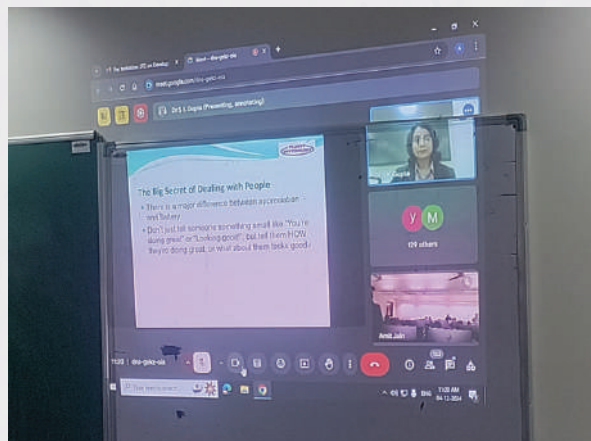
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DEPARTMENT OF COMPUTER APPLICATIONS

FACULTY DEVELOPMENT PROGRAMME

Department of Computer Applications , Manipal University Jaipur organized a Faculty Development Program on **"Developing Healthy Work Culture at Work Place"** in association with **"NITTTR Chandigarh & MUJ-TEC "** from **2nd December 2024 to 6th December 2024** at Manipal University Jaipur.The objective of the FDP was to provide an in-depth understanding of how to cultivate and promote a healthy work environment at workplace.

Department of Computer Applications, Manipal University Jaipur is approved as a remote centre for the upcoming ICT-based FDP **"Developing Healthy Work Culture at Workplace"** from 02 - 06 December 2024.

This FDP was organized through online mode using Google Meet. This event was opened for faculties & research scholar. **Dr S. K Gupta of NTTTR** chandigargh was chief coordinator for this programme , and all other resources persons were arranged by NTTTR.

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SOCIAL OUTREACH ACTIVITY

On 24th December 2024 A societal outreach activity was conducted by the Department of Computer Applications, in collaboration with Cypher Club and the Directorate of Student Welfare at Manipal University Jaipur (MUJ). The event aimed to contribute to community welfare and engage students in meaningful social service.the objective is to promote the importance of education among underprivileged children. Provided essential snacks and refreshments to brighten the day of the children. Encouraged MUJ students to actively engage in community service. Strengthened collaboration, teamwork, and empathy among partcipants

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NGO VISIT (AAHAN)

The **Department of Computer Applications** organized a visit to **AAHAN Celebrating Diversity - an NGO** located in Shyam Nagar, Jaipur on **26th November 2024** in collaboration with Cypher Club & Directorate of Student Welfare and dedicated to uplifting the Especially abled under privileged children through education and skill development. The societal outreach activity aimed to foster empathy, inclusivity, and awareness about autism spectrum disorder (ASD) while engaging with autistic individuals through creative and recreational activities. This visit also served to encourage students and faculty members to contribute to the community through meaningful interactions and voluntary efforts. This event aimed to let the students dedicate themselves towards a social cause by participating in teaching and interacting with the autistic children of the NGO. It helped to nurture a feeling of empathy and gratefulness among the students who are much more privileged in comparison.

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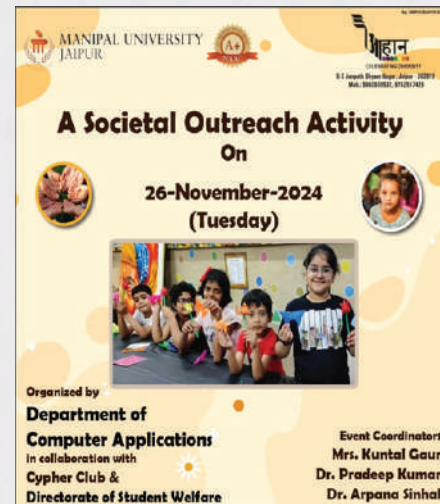
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INDUSTRIAL VISIT

Students of MUJ across several disciplines like BCA, MCA were taken to an exposure visit to the office of **Bhamashah Techno Hub, Jaipur, Govt. of Rajasthan**. about hundred interested and nominated students across different courses were selected for the industry visit. The students were accompanied by **Dr. Arpana Sinhal**, **Dr. Rekha Jain**, **Dr. Amit Hirawat** and **Mr. Shubham Jindal**. Upon reaching the Techno Hub, their representative briefed the students about the Techno hub facilities, services and initiatives. Students visited the tinkering lab and learned about the virtual reality applications. Many doubts and queries of the students were addressed.

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BIS STANDARD AWARENESS SESSION

The Standard Awareness Session at Manipal University Jaipur, organized in collaboration with the Bureau of Indian Standards (BIS), aimed to introduce students and faculty to the critical role of standards in ensuring quality, safety, and efficiency across various industries. This session provided valuable insights into BIS's contributions to national standardization, its impact on everyday products and services, and the significance of adhering to global standards for enhanced competitiveness. Attendees gained a better understanding of how standards shape industries and opportunities to engage with BIS initiatives.

During the session, attendees gained insights into:

i.   The role of BIS in developing and promoting national standards.
ii.   The impact of standards on industry practices and everyday life.
iii.   Real-world examples of how adhering to standards fosters quality assurance and safety.
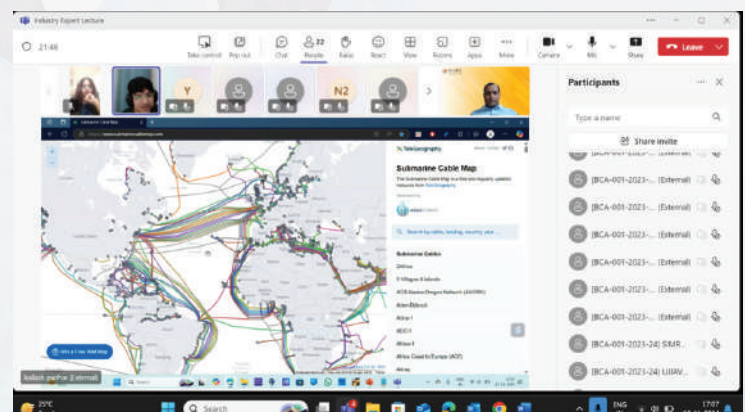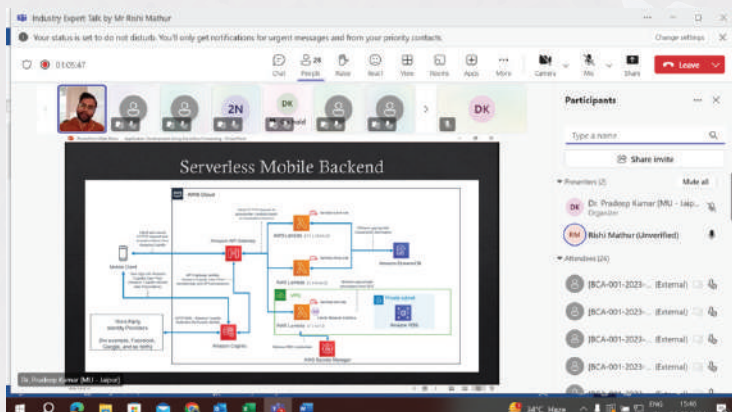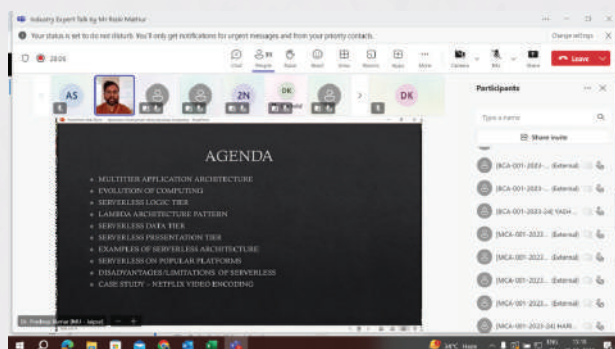
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EXPERT /GUEST LECTURES

Industrial Expert Sessions:
Title:"Application Development Using Serverless Computing","System Security and impact"
Expert: Mr. Rishi Mathur , Mr. Kailash Singh Parihar

Department of Computer Applications organized Expert talks on **"Application development using serverless computing"** and **"System Security and Impact" on** July 26, 2024 and 17th november 2024. These expert talks were organized through online mode using MS Teams. These events was opened for all students of BCA and MCA 2nd year. The prime objective of these expert talks was to aware of **Python Programming and Application areas in the field of IoT** application development and System Security. The resource persons were, Mr. Rishi Mathur, Principal Engineering Manager, Neuro Equilibrium Diagnostic Systems Pvt Ltd. and **Mr. Kailash Singh Parihar** System Security Expert, Infosys Ltd.
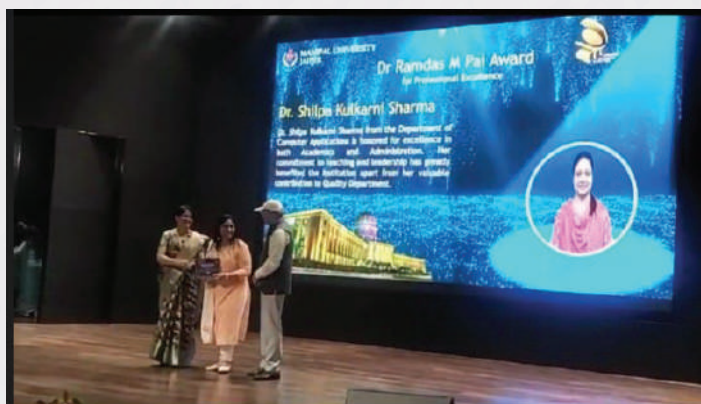
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MUJ EXCELLENCE AWARDS

The Department of Computer Applications proudly announces the recognition of three esteemed faculty members, **Dr. Shilpa Sharma (HOD Department of Computer applications) ,Dr. Devershi Pallavi Bhatt , Dr. Linesh Raja** have been honored with the **Dr. ramdas pai Excellence Award**. This prestigious acknowledgment celebrates their remarkable contributions across various categories and reflecting the department's commitment to excellence in education and research.

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FACULTY ACHIEVEMENTS

- **Dr. Arpana Sinhal** Assistant professor , Manipal University Jaipur Achieved The certificate of **Academic Excellence Award 2024.**

- **Dr. Rekha jain** Assisstant professor , Manipal University Jaipur have been selected as **6 Best Assistant Professors to Watch in India, 2024.**

- **Ms. Veerpal Kaur** Assisstant Professor, Manipal University Jaipur has been awarded the **Best Paper Award** at the 11th IEEE UP section International Conference on Electronic and Computer Enginnering
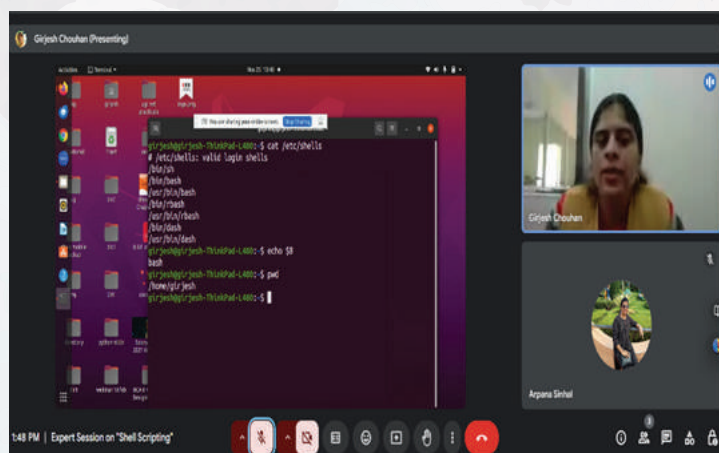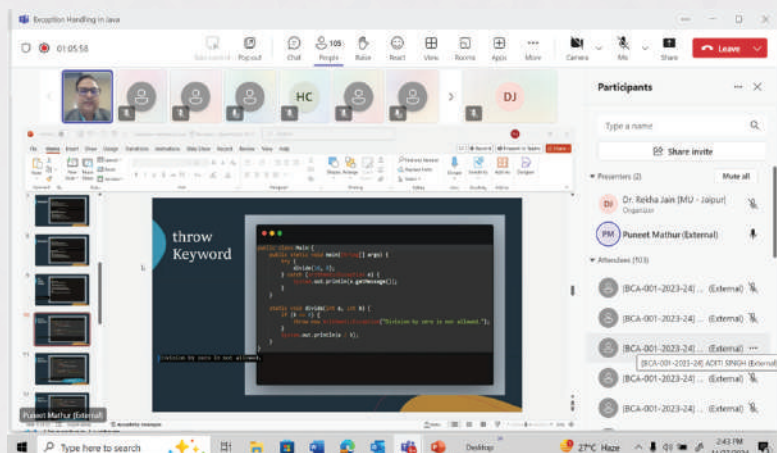
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EXPERT/GUEST LECTURES

Industrial Expert Sessions :
Title: "Exception Handling in Java", "Application Areas of Python Programming"
Expert: Mr. Puneet Mathur, Ms. Girjesh Chouhan

Department of Computer Applications at Manipal University Jaipur hosted an insightful online expert lecture titled **"Exception Handling in Java" and "Application Areas of Python Programming"** . On Nov 27th, 2024, and Nov 25th 2024 These sessions were mandatory component of the academic curriculum, designed to provide students with practical knowledge in java and Python streams. The lectures were facilitated by **Mr Puneet Mathur** , **Ms. Girjesh Chouhan** Mr. Mathur brought his extensive experience and expertise to the session, offering valuable insights into the practical applications of java exceptions & its handling. **Ms. Girjesh Chouhan**, a RedHat Certified Engineer and System Administrator from ITE Bhopal. The session aimed to provide practical knowledge and industry insights into Shell Scripting, helping students under-
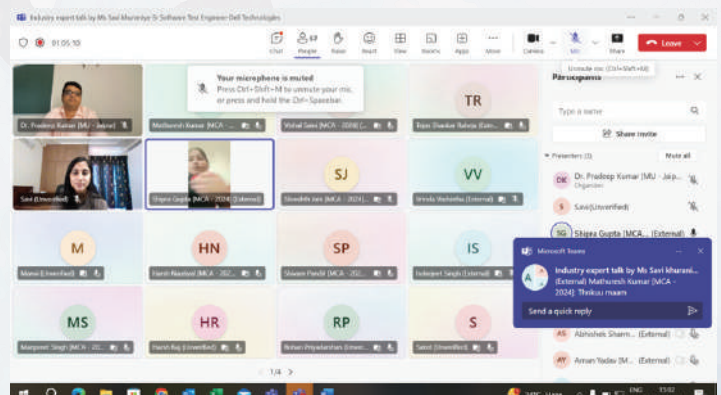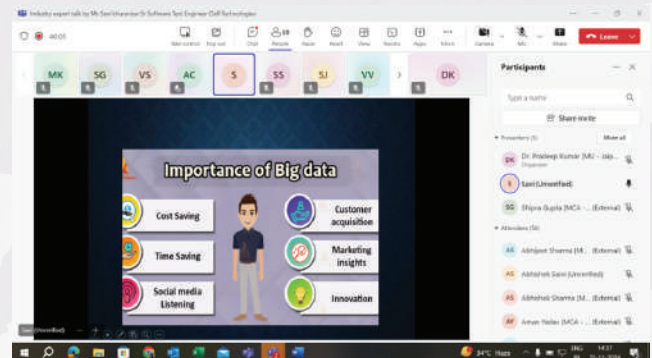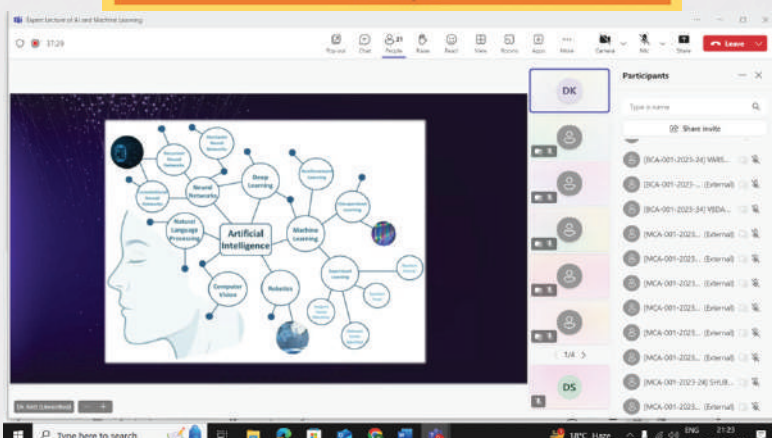
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EXPERT/GUEST LECTURE

Industrial Expert Sessions:
Title: "Computer Vision","Big Data Concepts, applications and future scope"
Expert: Ms. Kriti , Ms. Savi khurania

Department of Computer Applications organized Expert talks on **"Computer Vision"** and **"Big Data Concepts, applications and future scope" on** Nov 30th , 2024 and 25th november 2024. These expert talks were organized through online mode using MS Teams. These events was opened for all students of BCA and MCA 2nd year. The resource persons were **Ms Kirti** (Senior Member Technical Staff-AI at DS Group | R&D, Noida, India). and **Ms. Savi Khurania**, Sr. Software Test Engineer Dell Technologies. The sessions were started with a welcome address by **Dr Pradeep Kumar**, Department of Computer Applications Faculty of Science, School of Basic Sciences

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EXPERT/GUEST LECTURE

International Expert Sessions:
Title: "4G and 5G wireless Mobile Communication" , "Front-End Design in Mobile Applications"
Expert: Mr. Vaibhav Banga , Mr. Anay Sinhal

The **department of computer applications** organized an Expert Talk on **"4G and 5G Wireless Mobile Communication "** and **"Front-end Design in Mobile Applications"** on 7th November 2024. and 21st december 2024 To give students maximum benefits the talk was delivered Online (Google Meet). The guest speaker was **Mr. Vaibhav Banga** (Software Development Engineer). and **Mr. Anay Sinhal** who is a software developer at GeeksForGeeks, Noida.