



### NOUVELLE LIBERATION

Vol 11, Issue 1



DEPARTMENT OF COMPUTER APPLICATIONS CHITKARA UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY CHITKARA UNIVERSITY, PUNJAB

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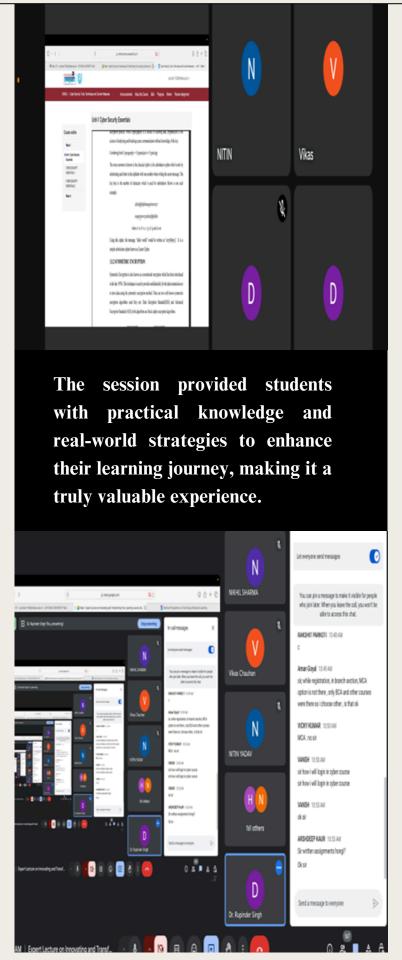
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# EXPERT TALK ON INNOVATING AND TRANSFORMING YOUR LEARNING JOURNEY WITH MOOCS

VOL 11, ISSUE 1 JANUARY 09 2025





CSI Student Chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized an expert talk on" Expert Lecture on Innovating and Transforming your learning journey with MOOCs ". The Resource Person of the talk was Dr. Rupinder Singh (Associate Professor) from Department of Computer Applications. Dr. Rupinder Singh started the session by explaining how Massive Open Online Courses (MOOCs) are changing the way we learn. He highlighted their benefits, such as flexibility, accessibility, and the chance to learn from top universities and experts around the world. During the session, Dr. Singh guided students on how to explore and enroll in MOOCs on platforms like Coursera, edX, Udacity, and SWAYAM. He walked them through choosing the right courses, understanding course structures, and earning valuable certifications that can boost their careers. He also shared useful tips on how to stay motivated, manage time effectively, and make the most of online learning.

# EXPERT TALK ON UNLOCKING INNOVATION POTENTIAL IN MACHINE LEARNING AND CLOUD COMPUTING

VOL 11, ISSUE 1 CHITKARA UNIVERSITY **EXPERT TALK ON** UNLOCKING INNOVATION POTENTIAL IN MACHINE LEARNING AND CLOUD COMPUTING **Resource Person:** Dr.V.Srikanth Associate Professor, CMR University, School of science and Computer studies, OMBR Layout, Satellite campus, Chikka Banaswadi, Bengaluru Date: 14.01.2025 Timings: 10 Am Onwards Mode: Online Organised by: CSI Student Chapter,

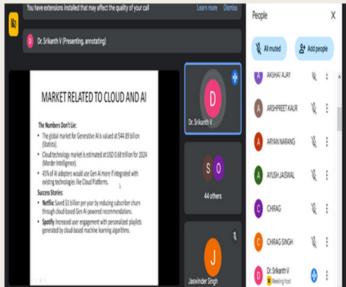
The CSI Student Chapter, under the aegis of the Department of Computer Applications, Chitkara University, Punjab, organized an expert talk on "Unlocking Innovation Potential in Machine Learning and Cloud Computing." The session was delivered by Dr. V. Srikanth, Associate Professor, CMR University, an expert in AI, cloud computing, and data-driven technologies.

Department of Computer Applications,

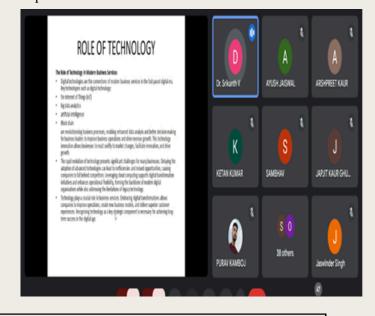
Chitkara University, Punjab

Dr. Srikanth initiated the session by explaining how Machine Learning and Cloud Computing work together to transform data processing, automation, and decision-making. He highlighted the role of cloud-based ML platforms, such as AWS AI Services, Google Cloud AI, and Microsoft Azure ML, in accelerating model training and deployment.

**JANUARY 14, 2025** 



During the talk, students learned about key ML techniques, cloud computing architectures, and cost-efficient cloud-based solutions for scaling AI-driven applications. Dr. Srikanth provided hands-on guidance on selecting the right cloud platform, optimizing ML workflows, and leveraging cloud security and compliance best practices. He also shared real-world case studies demonstrating how businesses use cloud-based AI to drive innovation, automate processes, and enhance customer experiences.



Expert Talk was arranged by the CSI Student Chapter under the direction of Department of Computer Applications to equipped students with practical knowledge and technical strategies to integrate Machine Learning and Cloud Computing into their academic and professional journeys, making it an enriching learning experience.

### COMPETITION OF TECH INNOVATORS

VOL 11, ISSUE 1

January 29, 2025





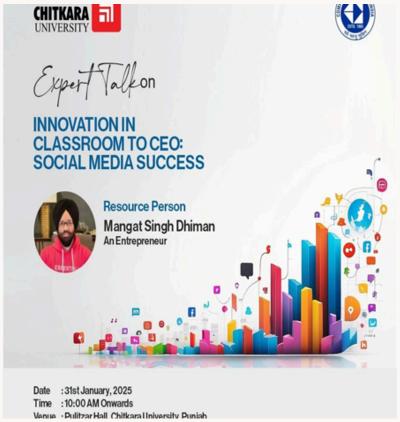
Event was arranged by the CSI
Student Chapter under the direction
of Department of Computer
Applications to provide students with
innovation and competitive spirit.



CSI Student Chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab organized a Competition of Tech Innovators. This competition was a thrilling contest showcasing participants' skills in video editing and CSS design. The video editing challenge required competitors to transform raw footage into engaging visual stories transitions, effects. and color grading. Meanwhile, the CSS face-off tested their ability to recreate design mockups with accuracy, responsiveness, and efficiency. Judged on creativity, execution, and technical excellence, the event encouraged innovation and problem-solving. It provided a platform for tech enthusiasts to demonstrate their expertise in digital media and web development while fostering a competitive yet collaborative environment through The event fostered innovation teamwork. competitive spirit, highlighting the best in digital creativity and coding expertise.

## EXPERT TALK ON INNOVATION IN CLASSROOM TO CEO: SOCIAL MEDIA SUCCESS

VOL 11, ISSUE 1 January 31, 2025



The CSI Student Chapter, under the aegis of the Department of Computer Applications, Chitkara University, Punjab, organized an expert talk on "Innovation in Classroom to CEO: Social Media Success". The session was delivered by Mr. Mangat Singh Dhiman, an expert in entrepreneurship and digital branding.

Mr. Dhiman emphasized the role of social media in entrepreneurship, highlighting how students can leverage digital platforms for personal branding, business marketing, and professional networking. He discussed strategies for building a strong online presence, engaging audiences effectively, and using social media tools for business growth. The session covered essential aspects such as content creation, brand positioning, and monetization, along with real-world examples of successful entrepreneurs who utilized social media for scaling their businesses. He also addressed challenges like competition, brand authenticity, and digital trust-building.



Expert Talk was arranged by the CSI Student Chapter under the direction of Department of Computer Applications to provide students with practical insights into how social media can be a powerful tool for launching and expanding entrepreneurial ventures. The session provided students with practical insights into how social media can be a powerful tool for launching and expanding entrepreneurial ventures, equipping them with strategies to transition from students to successful business leaders.



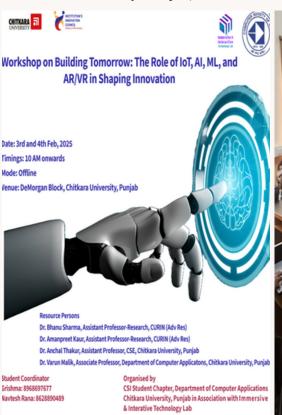


# WORKSHOP ON BUILDING TOMORROW:THE ROLE OF IOT, AL, ML, AND AR/VR IN SHAPING INNOVATION

VOL 11, ISSUE 1 FEBRUARY 3,2025

CSI Student Chapter, under the aegis of the Department of Computer Applications, Chitkara University, Punjab, organized a workshop on "Building Tomorrow: The Role of IoT, AI, ML, and AR/VR in Shaping Innovation" on February 3rd and 4th, 2025, from 10 AM onwards at DeMorgan Block, Chitkara University, Punjab.

The workshop featured esteemed resource persons: Dr. Bhanu Sharma (Assistant Professor-Research, CURIN - Adv Res), Dr. Amanpreet Kaur (Assistant Professor-Research, CURIN - Adv Res), Dr. Anchal Thakur (Assistant Professor, CSE, Chitkara University, Punjab), and Dr. Varun Malik (Associate Professor, Department of Computer Applications, Chitkara University, Punjab).





The experts discussed the transformative impact of IoT, Artificial Intelligence, Machine Learning, and AR/VR in driving technological advancements and industry innovations. They provided insights into real-world applications, industry trends, and cutting-edge research, emphasizing how these technologies are shaping the future.

Workshop was arranged by the CSI Student Chapter under the direction of Department of Computer Applications to provide students with the mowledge and tools needed to explore emerging technologies.

The sessions included hands-on activities, interactive discussions, and live demonstrations to enhance students' practical understanding and skills. The workshop was an engaging and insightful experience, equipping participants with the knowledge and tools needed to explore emerging technologies and their potential in shaping the future of innovation.



## WORKSHOP ON INNOVATIONS AND EXPLORATION IN GRAPHS

VOL 11, ISSUE 1 MARCH 06,2025

The CSI Student Chapter of the Department of Computer Applications, Chitkara University, organized an engaging Workshop on Innovations and Exploration in Graphs on March 6th – 7th, 2025. Dr. Deepika Chaudhary, a Professor in the Department of Computer Applications, led the session.





Dr. Chaudhary provided an in-depth overview of key topics, including the fundamentals of graph theory, graph representations, and advanced graph algorithms. The session explored real-world applications of graphs in data science, network analysis, and optimization, offering participants a solid foundation in these concepts. Through interactive discussions and hands-on exercises, attendees gained practical insights into solving computational problems using graph-based approaches. The workshop highlighted the growing relevance of graph theory in modern computing and showcased its wide-ranging applications in research and industry. Dr. Chaudhary's expertise seamlessly connected theoretical concepts with practical problem-solving, strengthening participants' analytical skills and deepening their understanding of complex graph structures. The session emphasized the impact of graph-based innovations in contemporary computational fields and offered valuable insights for students and professionals aiming to apply these concepts in their academic and professional journeys.



## FDP ON EXPLORING DATA SCIENCE: TECHNIQUES, TOOLS & APPLICATIONS

VOL 11, ISSUE 1 27 FEBRUARY 2025



Department of Computer Applications, Chitkara University, Punjab, successfully conducted 2-Day Faculty Development Program titled "Exploring Data Science: Techniques, Tools and Applications" on 27th-28th February, 2025 under the RISE initiative. The event was inaugurated with an insightful address by Dr. Jaiteg Singh, Pro-Vice Chancellor, Department of Computer Applications, Chitkara University, Punjab. This was followed by an informative session by Dr. Vaibhav Vyas, Associate Professor, Department of Computer Science, Banasthali Vidyapith, Rajasthan on data science.

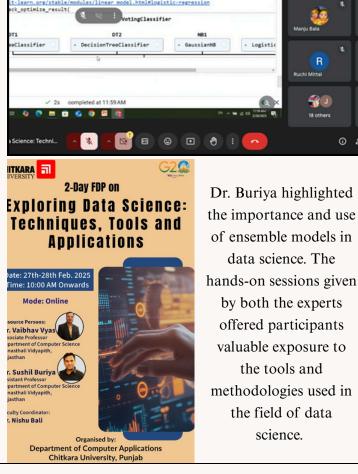
Dr. Vyas discussed the importance ofdata science in the present times and its application in various fields.



An interactive Q&A session was held after each session, enabling participants to engage with the experts and gain deeper insights into their specific queries related to the topics discussed. Participants expressed their appreciation for the relevance of the topics covered and the practical approach of the FDP. They praised the organizers for selecting such a timely and impactful theme and requested that similar events be organized in the future.



Dr. Vyas also discussed the concept of similarity algorithms and how they can be used to identify resemblances in the dataset. Second day commenced with the session from Dr. Sushil Buriya, Assistant Professor, Department of Computer Science, Banasthali Vidyapith, Rajasthan on the concept of ensemble machine learning models.



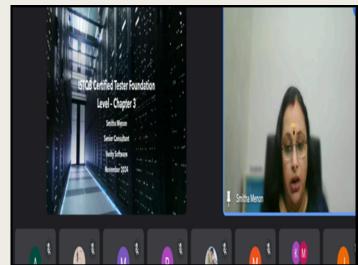


# EXPERT TALK ON CRITICAL THINKING ON ISTQB FOUNDATION LEVEL CHAPTER SERIES (CHAPTER-3)

VOL 11, ISSUE 1 JANUARY 23, 2025



The Software Testing Club arranged the session under the direction of the Department of Computer Applications to critically analyze Static and dynamic testing and how to apply review techniques. Software Testing Club under the aegis department of computer applications organized a Critical thinking on ISTQB Foundation level chapter series (Chapter-3) Event held in hybrid mode. The session was led by Ms. Smitha Menon, senior consultant; verify software and Dr. Jaswinder Singh, Associate Professor. Chitkara University, Punjab. Jaswinder discussed the importance of static testing. He explained that static testing is more concerned about finding defect and dynamic testing is concerned with failure. Ms. Samitha specifically discussed the dynamic testing. She clarified that dynamic testing examines the functional properties of software systems such as memory usage and performance while static testing examines the code and design documents. Ms. Smitha also discussed the role of review and its types. She discussed how to apply review techniques for successful testing.



## EXPERT TALK ON CRITICAL THINKING ON ISTQB FOUNDATION LEVEL CHAPTER SERIES

VOL 11, ISSUE 1

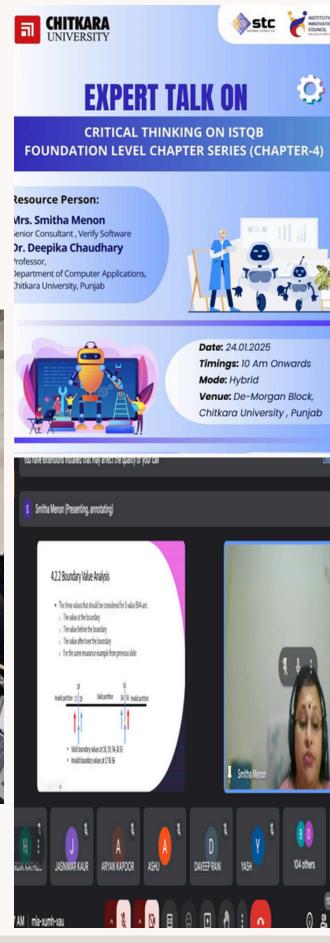
(CHAPTER-4)

January 24, 2025

Software Testing Club under the aegis Department of Computer Applications organized expert talk on "Critical thinking on ISTQB foundation level (CTFL) chapter series (Chapter-4). The resource persons of the talk were Ms. Smitha Menon, senior consultant, verify software and Dr Deepika Chaudhry, Professor, Department of Computer Applications, Chitkara University, Punjab. Dr. Deepika introduced the purpose of ISTQB Chapter 4 and discussed the Topics to be covered under Chapter 4. She explained various specification-based techniques in software testing. Ms. Samitha made students understand the exact difference between various specification-based techniques like boundary value analysis, state transition, statement, and decision testing etc. She showcased the generation of test cases for testing of software using various specification-based techniques.



The session was arranged by the Software Testing Club under the direction of the Department of Computer Applications where Students practiced critical thinking and designing on various aspects of software testing specification techniques and prepared for ISTQB foundation level software testing certificate.



# EXPERT LECTURE ON CRITICAL THINKING ON ISTQB FOUNDATION LEVEL CHAPTER SERIES(CHAPTER-5)

CHITKARA

VOL 11, ISSUE 1

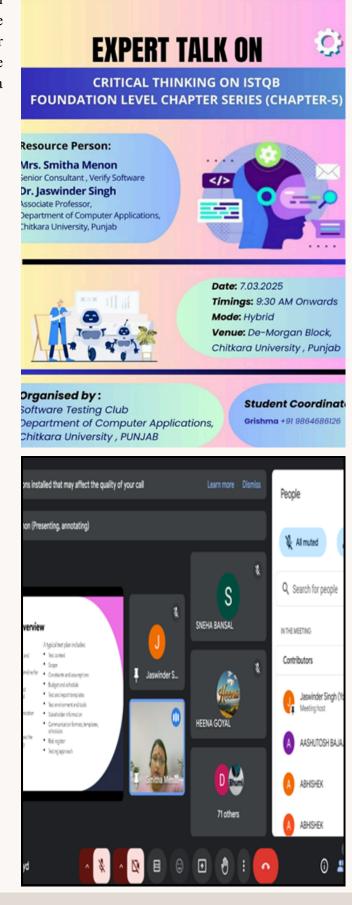
January 29, 2025

The Software Testing Club, under the Department of Computer Applications, organized an expert talk on "Critical Thinking on ISTQB Foundation Level (CTFL) Chapter Series (Chapter-5)." The speakers for the session were Mrs. Smitha Menon, Senior Consultant at Verify Software, and Dr. Jaswinder Singh, Associate Professor in the Department of Computer Applications at Chitkara University, Punjab.

Mrs. Menon covered key topics such as test planning and test organization, including identifying objectives, designing test cases, setting up test environments, and managing risks. Dr. Singh focused on test control, monitoring, and various test execution techniques. She also explored the psychology of testers and presented different scenarios where students were encouraged to analyze the need for testing.



The Session was arranged by the Software Testing Club under the direction of Department of Computer Applications where students learned various testing organizations, test controlling, analyzed designing test cases and applying testing strategies.

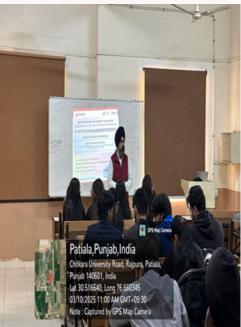


## BOOTCAMP ON VERIFY VOYAGE: A JOURNEYING INTO UNIT TESTING INNOVATIONS

VOL 11, ISSUE 1

March 10, 2025







The Software Testing Club, under the Department of Computer Applications, organized a Two-days Bootcamp titled "Verify Voyage: A Journey into Unit Testing Innovation." The resource person for this event was Dr. Jaswinder Singh, Associate Professor in the Department of Computer Applications at Chitkara University, Punjab. On the first day, Dr. Singh introduced the objectives of the Bootcamp and discussed various aspects of software testing, including its objectives, principles, types, quality improvement, and different testing approaches. He also highlighted recent innovations in software testing techniques.

On the second day, Dr. Singh focused on various case studies to illustrate testing concepts within Agile and DevOps environments. He presented numerous examples to demonstrate how unit testing is applied in these settings. Students had the opportunity to conduct unit testing on their own projects and presented their findings.

The Session was arranged by the software testing club under the direction of Department of Computer Applications where students learned how to apply unit testing and innovations to improve the software quality

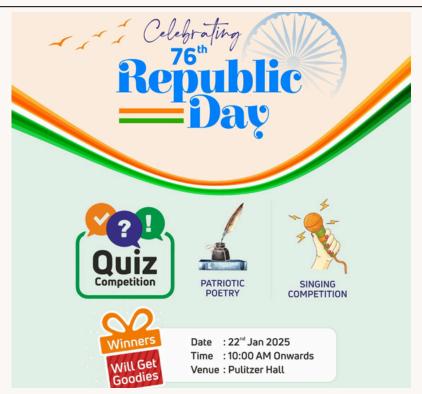


To promote awareness of new innovations in testing, to raise exposure about software quality improvement using testing, to analyses various test case scenarios critically.

dent Coordinator: Grishma +91 9864686126

### REPUBLIC DAY CELEBRATION

VOL 11, ISSUE 1 January 22, 2025



The Department of Computer Applications, in collaboration with the National Service Scheme (NSS), organized a special event on January 22, 2025, to commemorate Republic Day at Chitkara University.

The celebration featured a Quiz Competition and a Patriotism Singing Competition, fostering knowledge and national pride among students. The Quiz Competition tested participants' understanding of Indian history, culture, and current affairs, while the Patriotism Singing Competition provided a platform for students to showcase their vocal talents through patriotic songs. Both events received enthusiastic participation and engagement from students.





Winners were recognized with exciting goodies, serving as a token of appreciation for their efforts. More than just a celebration, the event reflected the university's commitment to fostering national identity, holistic development, and an inclusive campus environment







The Republic Day celebration was a resounding success, leaving a lasting impression on participants and attendees, reinforcing the spirit of patriotism and unity.

## VOLLEYBALL & TUG-OF-WAR COMPETITION

VOL 11, ISSUE 1

January 30, 2025





Alongside volleyball, the Tug of War competition brought a different level of excitement, testing the physical strength, endurance, and unity of the teams. Participants gave their best effort, pulling with all their might while the crowd cheered enthusiastically, adding to the adrenaline-filled atmosphere. With multiple teams participating, the event provided a great opportunity for students from different departments to come together and interact through sports.

The Volleyball & Tug of War Competition, organized by the Matrix Club under the aegis of the Department of Computer Applications in collaboration with the University Sports Board, Chitkara University, Punjab, was a grand success. The event held on the 30th and 31st of January 2025 at the Volleyball Ground, attracted enthusiastic participation from students, fostering a sense of teamwork, sportsmanship, and healthy competition. The event started at 10:00 am each day, with players and spectators gathering in anticipation of exciting matches.

The volleyball matches were highly competitive, with teams showcasing their skills, coordination, and strategic gameplay. Players displayed exceptional teamwork through powerful spikes, precise serves, and impressive defensive moves. Each match kept the audience engaged, with close contests leading to thrilling finishes. The final rounds were particularly intense, as the best teams competed with determination and resilience.





#### **WINNERS**

EVENT	ROLLNO	NAME	EVENT	ROLLNO	NAME
VOLLEYBALL 1st Position	2210992129	Rahul Gaurav	TUG OF WAR 1st Position	2210991172	Abhishekh Rana
	2210991991	Nishit Ranjan		2310990738	Mehalpreet Singh
	2420982128	Bhupinder Singh		2110996511	Intjar Ali
	2310996765	Shivam Pathania		2310991375	Yuvraj Juneja
	2410991816	Ritesh Jaiswal		2320997006	Pratyaksh Ahlawat
	2310991385	Ashish		2410990969	Mohit
	2210991501	Devesh Kanwar		2410990970	Ryan Manchanda

VOL 11, ISSUE 1 February 13, 2025

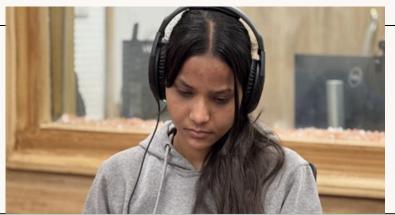


The Department of Computer Applications, in collaboration with the National Service Scheme (NSS) at Chitkara University, Punjab, organized an act-based script performance on World Radio Day, observed on February 13, 2025. The theme for 2025, "Radio and Climate Change," underscores the vital role of radio in raising awareness, educating communities, and mobilizing action toward a more sustainable future. Recognizing climate change as one of the most pressing global challenges, NSS volunteers from the BCA Department effectively utilized the medium of radio to convey their ideas and emphasize the importance of climate change awareness.



By harnessing the power of radio, communities can become more informed, better prepared to tackle climate-related challenges, and inspired to contribute to global sustainability efforts. Through collaborative initiatives, radio continues to serve as a powerful tool in building a resilient and sustainable future for all.

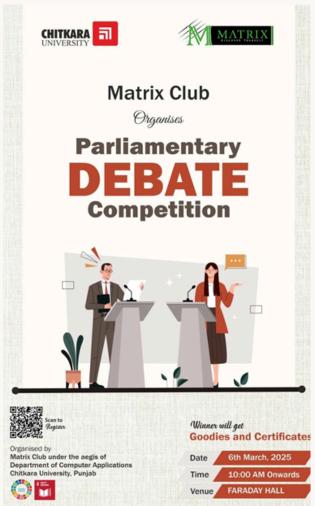






#### PARLIAMENTARY DEBATE COMPETITION

VOL 11, ISSUE 1 March 06, 2025



Overall, the Parliamentary Debate
Competition was a resounding success,
fostering an environment of intellectual
growth and democratic dialogue. The event
concluded with the announcement of winners,
recognizing the best debaters who displayed
exceptional argumentative skills. The
initiative by the Matrix Club reaffirmed the
importance of debating as a means to
cultivate informed and responsible individuals
who can contribute meaningfully to societal
discourse.





The Parliamentary Debate Competition was held on March 6th at Chitkara University, Punjab, organized by the Matrix Club under the Department of Computer Applications. This intellectually stimulating event provided a platform for students to engage in critical discussions and express their perspectives on pressing socio-political issues. The competition was not merely a contest of words but an arena where ideas were refined, and celebrated in the spirit of constructive discourse.

The debate revolved around two crucial agendas: the impact of the Uniform Civil Code (UCC) and the conflict in Kashmir after the revocation of Article 370. These topics, both of significant national importance, encouraged participants to analyze legal, social, and political dimensions critically. The discussions showcased the debaters' depth of research, logical reasoning, and ability to present well-structured arguments. The competition saw a spirited exchange of viewpoints, where participants defended their stands with conviction while respecting diverse opinions.

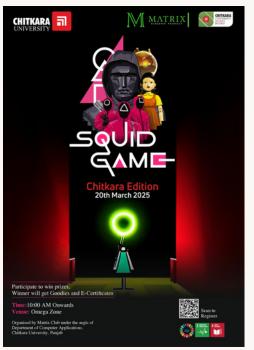
The event witnessed enthusiastic participation from students across different disciplines, making it a vibrant and engaging experience. A panel of esteemed judges, comprising faculty members, evaluated the performances based on content, rebuttal strength, clarity, and persuasion skills. The competition not only enhanced students' understanding of contemporary issues but also honed their public speaking and analytical abilities.



### SQUID GAME-CHITKARA EDITION

VOL 11, ISSUE 1

MARCH 20, 2025



The Matrix Club, under the aegis of the Department of Computer Applications, Chitkara University, Punjab, successfully hosted the "Squid Game – Chitkara Edition" on March 20, 2025. Inspired by the popular Netflix series, the event provided students with an exhilarating and competitive experience, testing their strategy, teamwork, and perseverance..

Held at the Omega Zone from 10:00 AM onwards, the event featured a series of engaging and challenging activities that saw the enthusiastic participation of 200 students. Competitors vied for prizes, goodies, and ecertificates, creating an atmosphere of excitement and suspense while ensuring a safe and enjoyable environment..

With a streamlined registration process, facilitated through a QR code on the event poster, participation was seamless. The organizing team's meticulous planning and execution ensured the smooth conduct of the event, making it a memorable experience for all involved.

The competition culminated with the announcement of winners, adding to the excitement:



The event's resounding success reflects Chitkara University's dedication to fostering engaging and innovative extracurricular activities, enriching students' overall learning experiences.

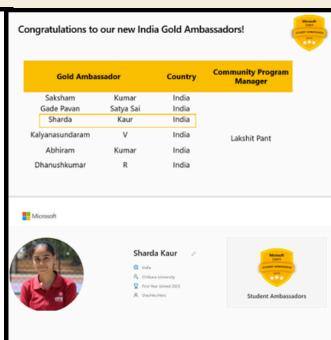
### **Winners**

1st Position: Akshat (BCA)
2nd Position: Aman Kumar (CSE)



### STUDENT ACHIEVEMENTS





Avneet Kaur BCA - 1<sup>st</sup> year performed on the 76th Republic Day parade held at Rajpath on January 26, 2025. The performance includes Folk Dance. Our participation also earned "Guiness World Record" for being the Largest Indian Folk Variety Dance. It included more than 5000 folk and tribal musician from all across India.



MICROSOFT LEARN STUDENT AMBASSADOR GOLD, 2025.

SHARDA KAUR MCA 2<sup>ND</sup> SEM



### **PLACEMENTS**

S.No	Roll No	Name	Company
1	2210997010	Abhimanyu Singh	EPIC Global Digital Solutions Private Limited
2	2210997080	Garima Jain	De Facto Infotech Private Limited
3	2210997156	Niharika Gupta	Infosys
4	2210997208	Sanyam	Infosys
5	2210997223	Shivamswaminathan	Infosys
6	2210997249	Swati	Infosys
7	2210997251	Tanisha Jain	Infosys
8	2210997254	Tanya Mahajan	De Facto Infotech Private Limited
9	2210997268	Vanshika Malhotra	De Facto Infotech Private Limited
10	2210997286	Drishti Gupta	Infosys

















### Editorial Section

We present the current issue of our newsletter and we hope to get due feedback from our readers which can help us in improving our next issues.

"Happy Reading"
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