



**CHITKARA UNIVERSITY**



# THE TECH WRAP

Volume 8 | Issue 1 | January-March, 2025



CHITKARA  
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IS NOW  
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ACCREDITED

School of Engineering & Technology  
Chitkara University, Himachal Pradesh

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## "Encouraging Excellence: A Gesture of Inspiration and Acknowledgment by Hon'ble Chancellor Sir"

Tell me and I forget, teach me and I may remember, involve me and I learn. This timeless quote perfectly sums up our honourable chancellor Sir Dr. Ashok K. Chitkara's teaching magic, where he doesn't just lecture—he *involves* students in a way that makes learning exciting and unforgettable. With nearly 1600 first- and second-year students at the HP campus, Sir took them on a deep dive into the world of Artificial Intelligence, Chat GPT, Deepseek, and the Metaverse. The energy and enthusiasm of the students shine through in these pictures, as they discovered how fun and engaging learning can truly be. Thanks to Sir's hands-on approach, they didn't just learn the material; they *owned* it. In a heartfelt gesture of gratitude, the students presented Dr. Chitkara with beautifully crafted cards, filled with admiration for the way he inspires and makes complex topics feel like a breeze.





## EVENTS



17<sup>th</sup> Jan, 2025

### Protecting Innovation: Understanding IPR for Innovators

The session titled **"Protecting Innovation: Understanding IPR for Innovators"** was thoughtfully organized for the **C.S.E. Batch of 2024** students. Hosted under the **Institution's Innovation Council (IIC)** and coordinated by the **Office of Patent Facilitation, Licensing & Consultancy (OPFLC)**, this program aimed to educate and inspire young innovators about the crucial role of **Intellectual Property Rights (IPR)** in safeguarding their ideas and creations.

The session featured expert-led discussions covering the core aspects of IPR, including **patents, trademarks, copyrights, and trade secrets**. Students were introduced to practical strategies for protecting their intellectual assets and received comprehensive guidance on the processes involved in filing and managing IPR. Real-world case studies were presented, highlighting how robust IPR strategies can drive innovation and support sustainable growth.

This interactive and insightful session equipped the **C.S.E. Batch of 2024** with valuable knowledge and practical tools, preparing them to effectively protect their innovations and leverage their intellectual assets in both academic and professional arenas.







20<sup>th</sup> Jan, 2025

## The Hour of Code

The **Hour of Code** initiative, championed by **ACM International**, serves as a global movement designed to ignite students' interest in programming and technology. This platform challenges participants to enhance their skills, sparks curiosity, and nurtures a passion for exploring both current and emerging technologies.

As part of this prestigious event during **CSE Week**, held from **December 11th to 13th, 2024**, the **ACM Hour of Code** concluded on a high note with the **ACM Pizza Party Celebration** on **January 20th, 2025**. Sponsored by ACM, the celebration provided attendees with an opportunity to share laughter, exchange experiences, and engage in lively discussions about cutting-edge technologies, all while enjoying delicious pizza.

This memorable gathering not only underscored the significance of coding but also inspired participants to push their limits, embrace healthy competition, and commit to enhancing their technical skills.



## From Ideas to Impact: Integrating Design Thinking and Innovation

The **Chitkara Alumni Association Network (CAAN)**, in collaboration with the **Institution's Innovation Council (IIC)**, hosted an insightful session titled **"From Ideas to Impact: Integrating Design Thinking and Innovation."** The event featured esteemed alumni from **Chitkara University's CSE Batch of 2010: Mr. Aaditya Khanna (Infosys), Mr. Sarthak Sharma (Persistent Systems), and Mr. Nitish Khanna (Oracle).**

The session highlighted the importance of combining creativity with structured problem-solving to develop impactful solutions. The speakers shared practical insights from their careers and engaged participants in interactive discussions, making design thinking principles both relatable and actionable. Attendees gained valuable knowledge on applying innovative methodologies to real-world challenges. Overall, the well-organized and inspiring session successfully motivated participants to transform their ideas into meaningful outcomes, reinforcing **Chitkara University's** commitment to innovation and professional growth.







30<sup>th</sup> Jan ,2025

## Data Frontiers: Pioneering Innovation in Data Science

"Data is the new oil, and like oil, it needs to be refined and used responsibly."

Embodying this philosophy, the IEEE Student Branch at Chitkara University recently hosted an expert lecture titled "Data Frontiers: Pioneering Innovation in Data Science," featuring Ashwin Goyal, Product Manager at HRS Group. An authority in AI, Data Science, and Product Management, Mr. Goyal has led the development of numerous AI-driven solutions, including Recommendation Engines, Rebooking Solutions, Hotel Portfolio Optimization, and Conversational AI products.

During the session, Mr. Goyal shared his career journey as a data scientist, emphasizing the transformative impact of data science across various industries. He provided valuable insights into career paths, essential skills, and the data science process, while stressing the importance of responsible and effective data usage. The lecture also explored emerging trends such as Deep Learning, Cloud Computing, and Artificial Intelligence, equipping students with knowledge of the latest industry advancements.

The session concluded with an engaging Q&A, where students had the opportunity to gain personalized insights into building successful careers in data science. This lecture not only enhanced students' understanding of data science's vast potential and real-world applications but also inspired them to delve deeper into this dynamic and rapidly evolving field. This event exemplifies the IEEE Student Branch's commitment to delivering impactful learning experiences and valuable industry insights, reinforcing Chitkara University's dedication to academic excellence and innovation.





03rd– 04th Feb, 2025

## Empowering Innovation: A Transformative Workshop on Design Thinking & Critical Thinking.

The **ACM Student Chapter**, in collaboration with the **Institution's Innovation Council (IIC)** at **Chitkara University, Himachal Pradesh**, successfully hosted a dynamic two-day workshop titled "**Empowering Innovation: A Transformative Workshop on Design Thinking & Critical Thinking.**" The workshop commenced with **Mr. Rahul Sachdev**, Director and Head of the **SAP University Alliances Program, India Subcontinent, SAP**, who led the session by sharing his expertise in design-driven innovation and practical problem-solving. Students participated in a hands-on prototyping activity, using craft materials to develop solutions aligned with the **Sustainable Development Goals (SDGs)**. Out of 20 participating teams, three were recognized for their outstanding ideas and received personal commendation from Mr. Sachdev. Additionally, the session highlighted SAP's contributions to innovation and industry-academia partnerships, showcasing real-world applications of design thinking. On the second day, **Dr. Dileep Kumar Sharma**, Associate Professor at **SOET**, conducted a session on critical thinking and innovative prototype design, further enhancing the workshop's impact. The event was meticulously organized under the mentorship of **Dr. Rani Kumari** (Associate Professor & ACM Chapter Faculty Coordinator) and **Mr. Varun Bhardwaj** (Associate Director, CAS). The workshop provided students with a valuable platform to enhance their ideation, innovation, and creative problem-solving skills, reinforcing **Chitkara University's** commitment to fostering innovation and critical thinking among its students.







06<sup>th</sup> – 7<sup>th</sup> Feb, 2025

## Innovation for impact: A 2-Day bootcamp on innovation and problem solving

A two-day **Bootcamp on Innovation and Problem Solving**, organized by the **Office of Patent Facilitation, Licensing & Consultancy (OPFLC)**, brought together students from the Schools of **Engineering, Pharmacy, and Nursing** to explore creative solutions for real-world challenges through interdisciplinary collaboration.

On the first day, **Dr. Sandhya Sharma** highlighted the transformative power of innovation, followed by **Dr. Arun Lal Srivastav**, who discussed opportunities like the **Smart India Hackathon, Anveshan competition**, and the role of sustainability in addressing global issues. **Dr. Shivendu Prashar** concluded the day with insights on design thinking, prototyping, and utilizing the **YUKTI** platform to develop ideas. The second day focused on student presentations, where teams showcased innovative, interdisciplinary solutions to societal challenges. Participants impressed mentors with their creativity and practical approaches, with several promising projects shortlisted for patenting, reflecting the students' potential to drive meaningful change.

The bootcamp successfully fostered innovation, sustainability, and collaborative problem-solving, inspiring students to lead with their ideas and contribute to a better future.



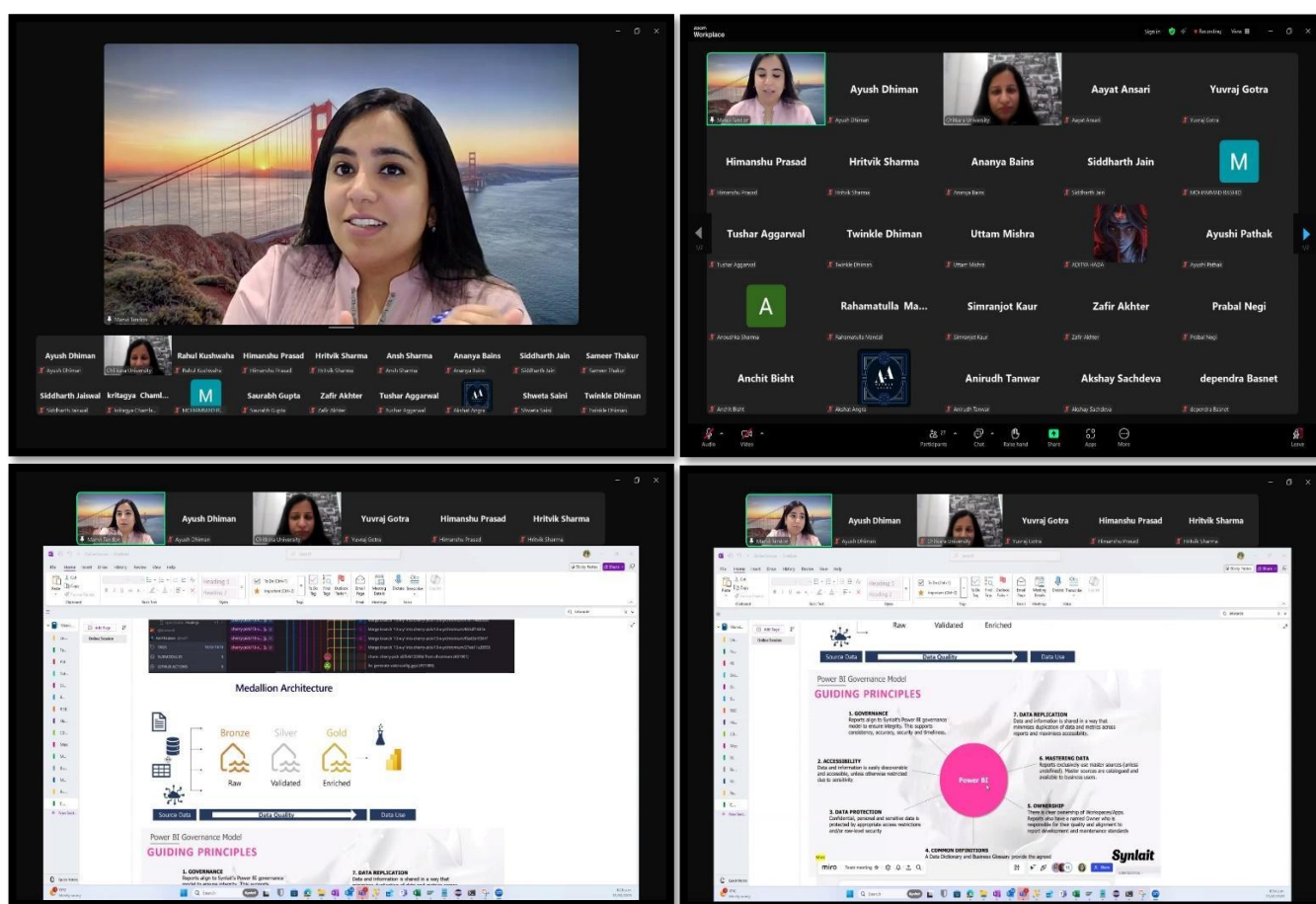


12<sup>th</sup> Feb ,2025

## Driving Business Innovation Through Data Analytics

The Chitkara Alumni Association Network (CAAN), in collaboration with IIC, successfully organized an insightful session on “Driving Business Innovation Through Data Analytics. The event featured Ms. Manvi Tandon, a distinguished alumna from the CSE Batch of 2011 and the Analytics Platform Lead at Synlait, New Zealand, who shared her expertise on leveraging data analytics for business transformation.

The session was engaging and provided valuable perspectives on leveraging data for strategic decision-making. Key discussions revolved around the Power BI governance model, emphasizing the importance of structured data management and compliance. Ms. Tandon also shared guiding principles for implementing robust Medallion Architecture, ensuring scalable and efficient data processing. Additionally, the session covered the role of ETL tools in streamlining data extraction, transformation, and loading, highlighting their significance in maintaining data quality and accessibility. Overall, the discussion showcased how businesses can drive innovation by integrating governance, architecture, and analytical capabilities effectively.





24<sup>th</sup> Feb, 2025

## Shiksha Ka Naya Yug: NEP 2020 Special Quiz

The NEP Cell at Chitkara University successfully organized "Shiksha Ka Naya Yug: NEP 2020 Special Quiz," bringing together enthusiastic students eager to test their knowledge of the **National Education Policy (NEP) 2020**.

The event received an overwhelming response, with participants demonstrating a strong understanding of key aspects of NEP 2020, including **multidisciplinary education, skill-based learning, holistic development**, and the **Indian Knowledge System (IKS)**.

Kudos to the **NEP SAARTHIs** for organizing this special event under the mentorship of Dr. Meenu Khurana & Dr. Monika Parmar. Heartiest congratulations to all the winners and participants for their enthusiastic and commendable participation.





24<sup>th</sup> -25<sup>th</sup> Feb, 2025

## Hackfinity: The Innovative Code Optimization Challenge

The **IEEE Student Branch** successfully organized "**Hackfinity: The Innovative Code Optimization Challenge**," a two-day coding extravaganza in collaboration with **Code Tantra**. Driven by a passion for innovation and efficiency, the competition tested participants' critical thinking skills and ability to optimize code effectively.

The competition featured two intense rounds:

**Day 1:** The preliminary round, held on **February 24<sup>th</sup>, 2025**, challenged participants with intricate coding problems that required both creativity and efficiency. Only the most skilled and strategic coders advanced to the next level, making it a rigorous battle of logic and speed.

**Day 2:** The final round on **February 25<sup>th</sup>, 2025**, focused on refining algorithms, minimizing execution time, and maximizing efficiency. Every second counted as participants pushed their coding skills to the limit, showcasing their expertise and determination.

The event witnessed overwhelming participation from students eager to demonstrate their coding prowess. The engaging competition, coupled with thought-provoking coding challenges, kept participants fully immersed throughout the event.

**Hackfinity** was more than just a competition; it was an enriching experience that emphasized the importance of writing optimized code and thinking creatively.

Kudos to **Dr. Sandhya Sharma**, IEEE Student Branch Counsellor, and the IEEE volunteers for successfully organizing this exceptional event.







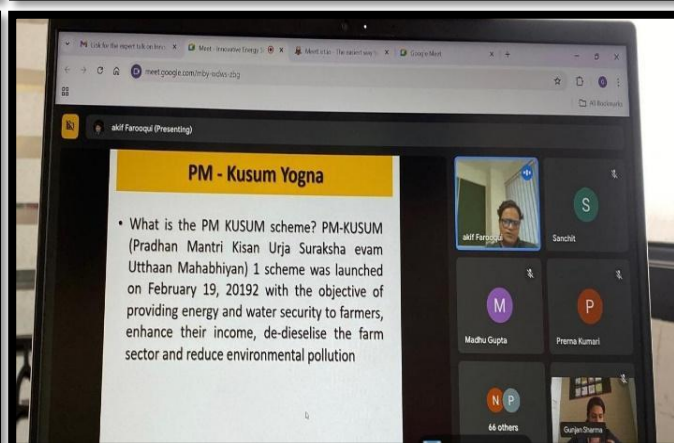
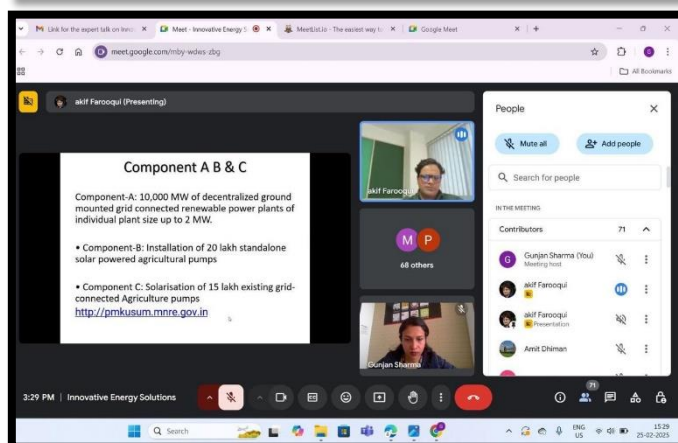
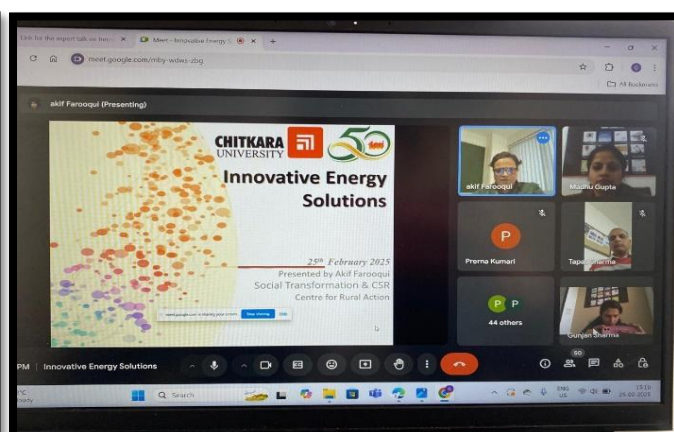
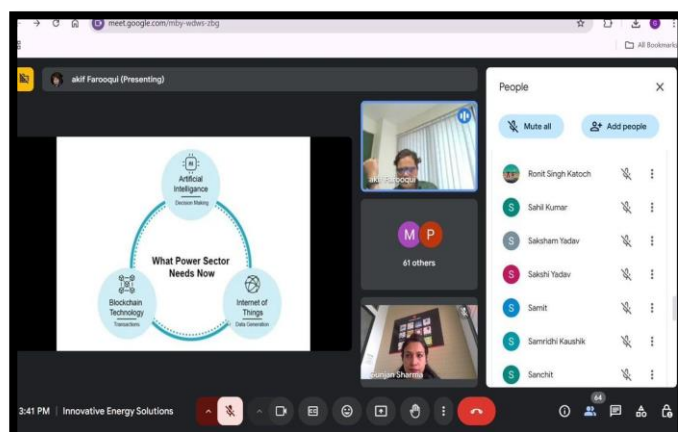
25<sup>th</sup> Feb, 2025

## Innovative Energy Solutions

The ISTE Student Chapter at Chitkara University hosted a captivating online expert talk on "**Innovative Energy Solutions**," attracting significant participation from students across disciplines.

The keynote speaker, **Mr. Akif Farooqui**, Manager of Projects – Social Transformation & CSR Division at **The Energy and Resources Institute (TERI)**, New Delhi, shared his expertise on pioneering energy solutions. The session highlighted the importance of **solar energy** and its integration with advanced technologies such as **IoT** and **AI**. Mr. Farooqui's insightful presentation sparked thought-provoking discussions, inspiring students to explore innovative approaches to energy sustainability.

The engaging session concluded with an interactive Q&A, allowing students to directly interact with the industry expert, gain valuable insights, and broaden their understanding of renewable energy solutions and sustainability. The event provided an excellent platform for students to enhance their knowledge and engage with current industry practices in the field of energy innovation.



28<sup>th</sup> Feb, 2025

## Colors of Language: Bhartiya Bhasha Utsav Poster Contest

The NEP Cell at Chitkara University successfully organized the "Colors of Language: Bhartiya Bhasha Utsav Poster Contest," celebrating the rich linguistic diversity of India. Students from the **School of Engineering and Technology**, **College of Nursing**, and **School of Pharmacy** participated in teams, showcasing their creativity through both handmade and digital posters centered around the theme **Bhartiya Bhasha**.

Participants used their artistic skills to beautifully highlight the essence of local languages and the rich cultural heritage of India, emphasizing the importance of multilingualism and preserving linguistic diversity. The contest not only encouraged artistic expression but also fostered a deeper appreciation for India's diverse linguistic landscape.

The event was a resounding success, reflecting the university's commitment to promoting cultural awareness and creativity among students. Congratulations to all participants for their outstanding contributions and enthusiastic participation in this vibrant celebration of language and culture.







28<sup>th</sup> Feb ,2025

## Empowering Young Minds: The Intersection of Innovation and Technology

The ISTE Student Chapter at Chitkara University hosted an engaging and intellectually stimulating event, focusing on showcasing generative AI skills of students. The event witnessed enthusiastic participation from students eager to test their creativity, problem-solving abilities, and AI expertise. The AI-powered challenge encouraged the participating teams to strategically leverage Gen AI tools - OpenAI, Gemini, Perplexity, Deep Seek to compete for solving various real-world tasks. Participants showcased their skills in problem-solving, technical creativity, critical thinking, and AI-powered innovation. The competition featured exciting challenges, including website analysis, AI-powered documentation, political or business issue analysis, and AI-enhanced campaign design. The event concluded with insightful presentations where students demonstrated their AI-driven solutions. The panel evaluated participants based on creativity, innovation, effective AI utilization, presentation clarity, and accuracy. After an intense competition, top three winning teams were awarded trophies and certificates. This event provided a fantastic platform for students to explore AI's potential, enhance their analytical skills, and embrace innovative solutions in the ever-evolving tech landscape.





28<sup>th</sup> Feb, 2025

## National Science Day Celebrations

ISTE Student Chapter in collaboration with Department of Applied Sciences, NSS unit Chitkara University and under the aegis of Himcoste, Himachal Pradesh celebrated National Science Day: Empowering Indian Youth for Global Leadership in Science and Innovation for Viksit Bharat with a series of exciting events aimed at fostering scientific curiosity and innovation among students. The day featured an engaging competition, testing students' knowledge in various scientific domains. Adding to the excitement, the Science Fiction Escape Room Challenge brought together participants for a thrilling series of futuristic challenges:

- ✓ Sci-Fi Trivia Battle – Answering futuristic and space-themed questions!
- ✓ Alien Code Breaker – Decoding secret messages from extraterrestrials!
- ✓ The Time Rift Puzzle – Solving riddles to repair the time machine before history collapses!
- ✓ Zero-Gravity Obstacle Course – Navigating a tricky path as if you were an astronaut!
- ✓ Hologram Hunt – Uncovering hidden clues using futuristic logic!
- ✓ Final Escape Mission – Conquering the ultimate puzzle to break free from the simulation!

The winning teams were awarded trophies, while all participants were recognized for their enthusiasm and problem-solving skills.

The celebration extended beyond the University campus to Senior Secondary School, village Sheran, where students were engaged through interactive discussions and live demonstrations on innovative techniques for water conservation and sustainable farming. Sir C.V. Raman's groundbreaking discovery of the Raman Effect was shared with students.

This National Science Day celebration successfully ignited curiosity and scientific awareness among students, encouraging them to explore innovative solutions for a cleaner, greener, and technologically advanced future.







03<sup>rd</sup> Mar ,2025

## From Sketch to Screen: Rapid Prototyping for Innovative Web UI/UX

RedHat Academy, in collaboration with the Chitkara Alumni Association Network (CAAN), hosted a technical session titled “From Sketch to Screen: Rapid Prototyping for Innovative Web UI/UX.” The session was led by Mr. Sanketh Gharge, a UX Designer and Front-End Developer at CDK Global, Pune, India, and a distinguished alumnus of the CSE Batch of 2019 from Chitkara University, Himachal Pradesh. The session began with an introduction to the fundamental principles of UI and UX, followed by an insightful discussion on the innovations driving web UI and UX design, with a particular focus on the Figma tool as a catalyst for creativity in design. Participants were then engaged in a hands-on activity, where they explored key tools used in UI/UX design, such as Adobe XD, Photoshop, and Figma.

During the interactive Q&A session, students had the opportunity to engage directly with the speaker, seek career advice on UI/UX, and discuss the latest trends and advancements in the field.

The event was successfully organized under the guidance and mentorship of Dr. Praveen Kantha, Associate Professor & RedHat Faculty Coordinator, and Ms. Shivani Gautam, Assistant Professor & Assistant Dean, CAAN.





05<sup>th</sup> Mar ,2025

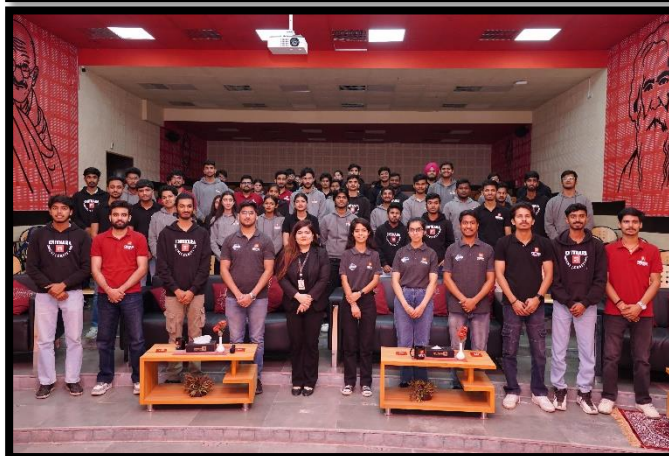
## Unscripted Chronicles

The “Unscripted Chronicles” event, orchestrated by the Toastmasters International Club for BCA students, Batch 2023, was an exceptionally engaging and dynamic session meticulously designed to refine public speaking, creative cognition, storytelling acumen, and impromptu communication prowess.

The event prominently featured a series of storytelling exercises that challenged participants to think on their feet and deliver narratives without prior preparation. Each participant was afforded the opportunity to present an unscripted tale, showcasing their ingenuity and quick-wittedness.

Harsh Rana emerged as the distinguished winner of the storytelling segment, lauded for his remarkable ability to craft a captivating narrative under time constraints, demonstrating a rare blend of creativity and composure.

The event cultivated an atmosphere of collaboration and personal development, with participants reporting heightened self-assurance in their public speaking abilities and their capacity to handle unanticipated situations with poise. In its entirety, the event successfully achieved its objectives, providing invaluable learning experiences and galvanizing students to further cultivate their oratory talents.







19<sup>th</sup> Mar ,2025

## Understanding the 4 Pillars of NEP 2020

NEP Cell in collaboration with Internal Quality Assurance Cell (IQAC), Chitkara University, Himachal Pradesh successfully organized an insightful session on Understanding the 4 Pillars of NEP 2020. The session aimed to deepen participants' understanding of the key aspects of the National Education Policy (NEP) 2020 by focusing on its four following fundamental pillars.

- ✓ Academic Bank of Credits (ABC)
- ✓ Four-Year Undergraduate Programme (FYUP)
- ✓ National Credit Framework (NCrF)
- ✓ Indian Knowledge System (IKS)

Eminent speakers, including Dr. Meenu Khurana (Pro VC, SOET & NEP Coordinator), and Dr. Sita Ram Sharma (Dean, Examination), shared their expertise and insights on these critical topics.

Dr. Meenu Khurana presented a comprehensive overview of the transformative reforms in India's education system, emphasizing flexibility, multidisciplinary learning, and skill development. It highlighted key aspects such as the Four-Year Undergraduate Programme (FYUP) and National Credit Framework (NCrF) under National Education Policy (NEP 2020). The session covered the shift from rote learning to conceptual understanding, holistic development, and experiential learning. It also addressed equity, inclusion, faculty development, and international collaborations. The presentation showcased Chitkara University's initiatives in implementing NEP 2020, aligning its academic structure with national educational goals for future-ready graduates.

Dr. Sita Ram Sharma explained the Indian Knowledge Systems (IKS) and Academic Bank of Credits (ABC) that highlighted the significance of integrating traditional wisdom with modern education as envisioned in NEP 2020. It emphasized the rich heritage of Indian sciences, arts, literature, and philosophy, showcasing their relevance in contemporary learning. The session covered key aspects such as Ayurveda, Yoga, Vedic Mathematics, ancient Indian engineering, and linguistic traditions. It also discussed strategies for incorporating IKS into curricula, promoting research on indigenous knowledge, and fostering interdisciplinary learning. The presentation underscored the role of IKS in nation-building, sustainability, and preserving India's cultural identity within higher education frameworks.

The event witnessed an overwhelming response with 158 participants and active participation from 6 NEP Saarthis, a group of dedicated student representatives from various disciplines, under the guidance of Dr. Monika Parmar, Associate Director, IQAC and NEP Saarthi Coordinator. Their contributions enriched the discussions and helped in spreading awareness about NEP 2020 among students and faculty.

The event concluded on a highly interactive note, with participants gaining insights and clarity on the evolving education landscape, aligning with the vision of NEP 2020 for a future-ready academic ecosystem.



21<sup>st</sup> Mar, 2025

## GitHub: From Design to Deployment

To enhance the curriculum with industry-relevant skills, the Department of Computer Science and the ACM Student Chapter organized an essential session titled "GitHub: From Design to Deployment." Gurjot Singh, a Software Engineer at Wyzard, shared valuable, hands-on insights with 600 first-year Computer Science students, focusing on GitHub's crucial role in contemporary software development workflows. This initiative perfectly aligns with the university's dedication to providing students with the necessary tools to thrive in the technology industry.

The efforts of the course coordinator, Dr. Shankar, and ACM Faculty Mentor, Dr. Rani, deserve commendation for their significant contributions to the success of this session.





21<sup>st</sup> Mar, 2025

## Codeathon 6.0 – A Thrilling Battle of Logic and Code

The 6th edition of Codeathon—a flagship event of the ACM Student Chapter, Chitkara University, Himachal Pradesh was organized this time in collaboration with Coding Ninjas.

The competition focused on Data Structures and Algorithms, challenging participants to push their logical and problem-solving skills to the limit. With an overwhelming response, students showcased their coding expertise, making this edition a grand success.

The winners were recognised for their exceptional performance and were awarded exciting prizes in the award ceremony held on 28th March 2025 acknowledging their dedication and coding brilliance.

This event reaffirmed the commitment, strategic thinking, and problem-solving abilities of our student community, reinforcing the university's vision to achieve academic excellence. The event was successfully organized under the mentorship of Dr. Navneet Kaur and Dr. Rani Kumari.



21<sup>st</sup> Mar, 2025

## Digital Transformation & AI: Redefining Careers & Innovations

The **Department of Computer Applications**, in collaboration with the **Institution's Innovation Council (IIC)**, successfully hosted an engaging guest lecture on **"Digital Transformation & AI: Redefining Careers & Innovations."** This insightful session provided **BCA students** with a unique opportunity to gain firsthand industry knowledge from experts at **Erginous Technologies**.

Prominent speakers included **Mr. Rajesh Azad (CEO)**, **Mr. Yatin Kumar (CTO)**, and **Mr. Jobanpreet Singh (Data Scientist)**, who shared their expertise on the evolving landscape of AI and digital transformation. The event was seamlessly facilitated by **Mr. Harsharan Sehgal** and **Mr. Varun Bhardwaj** from **Career Advancement Services**, along with **Mr. Rinku** from the **Computer Applications Department**.

The lecture emphasized the growing significance of **AI-driven innovation** in today's job market, fostering a collaborative and enriching learning environment that proved invaluable for all attendees.







18<sup>th</sup>-25<sup>th</sup> March, 2025

## Faculty Development Programs Organized

The Academic and Administrative Development Centre (AADC), under the aegis of the Association of Indian Universities (AIU), in collaboration with IQAC, successfully completed one-week Faculty Development Program (FDP) on Leveraging Machine Learning and Generative AI for Process Automation. The program brought together 40 participants and a panel of distinguished experts from diverse domains to explore how machine learning and generative AI are revolutionizing process automation across sectors. The FDP commenced with an inaugural address by Dr. Ranjana Parihar, Joint Secretary (AIU), New Delhi and Dr. Meenu Khurana, Pro-VC, SOET. Throughout the week, participants were engaged in insightful sessions delivered by renowned speakers. Dr. Sahana Parsad (Statistician and Data Science Specialist) led a hands-on session on predictive analytics. Mr. Tanvir Singh (Project Manager at Spoken Tutorial, IIT Bombay) emphasized AI's role in digital creativity and content innovation. Mr. Bhaskar Kalita (Global Head – Financial Services and Insurance, Greater Chicago, USA) discussed the evolving landscape of AI agents and their impact on the future of work. Mr. Amit Kumar Mehta (Mentor in the Prerana Program, Ministry of Education, Government of India) highlighted the transformative power of AI in learning, research, and professional growth. Dr. Saurabh Mukherjee (Professor of Computer Science at Banasthali Vidyapith, Rajasthan) presented applications of predictive analytics in finance. Dr. Sushil Narang (Dean CSE, Chitkara University, Punjab) addressed optimization techniques in Vision AI. The key takeaway from this program is that collaborative learning, research integration, and technological adaptability are vital in harnessing the power of machine learning and generative AI for a smarter, automated future.





## Faculty Development Programs/ Short-Term Courses Attended



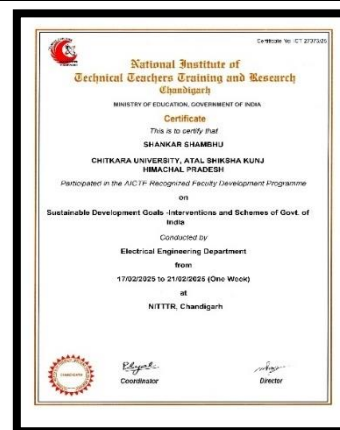
Dr. Monika Parmar attended a Faculty Development Program on IOT Integration with Embedded System from 6<sup>th</sup> January 2025 till 11<sup>th</sup> January 2025



Dr. Harpreet Kaur attended a Faculty Development Program on NEP 2020 Orientation & Sensitization Programme under MMTP from 30<sup>th</sup> December 2024 to 8<sup>th</sup> January 2025



Dr. Navneet Kaur attended a Faculty Development Program on Recent Trends in Biological Systems for Sustainable Development from 3<sup>rd</sup> February till 08 February 2025



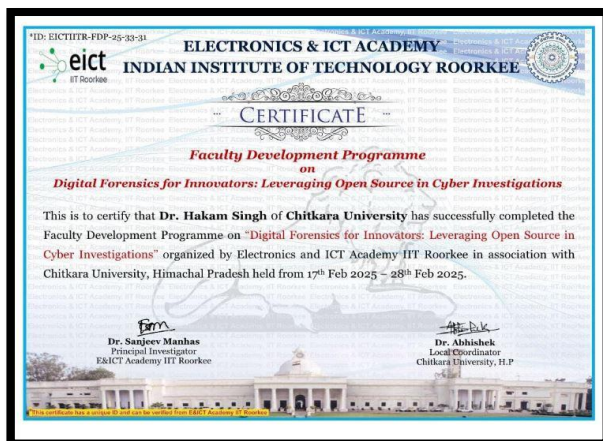
Dr. Shankar Shambhu attended a Faculty Development Program on Sustainable Development Goals- Interventions and Scheme of Govt. of India from 17<sup>th</sup> February till 21<sup>st</sup> February 2025



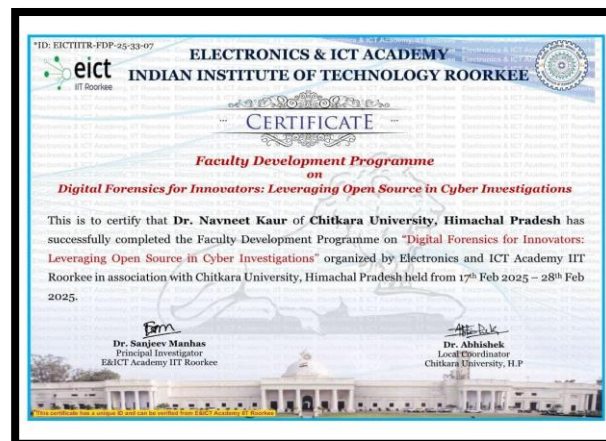
Dr. Monika Parmar attended a Faculty Development Program on Smart Communication in IOT: Security & Future Applications and Possibilities from 24<sup>th</sup> February 2025 till 1<sup>st</sup> March 2025



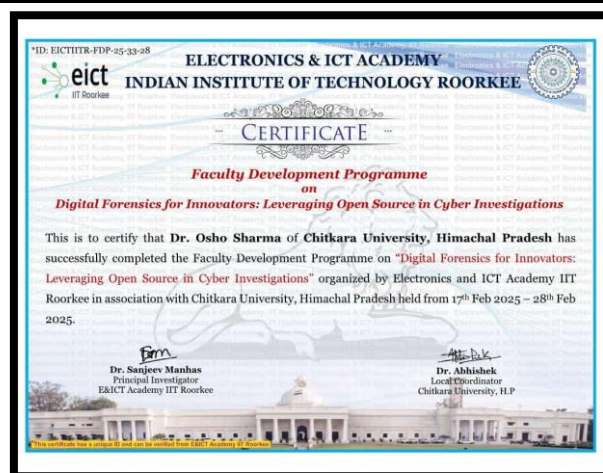
Dr. Ramamani Tripathy attended a Faculty Development Program on Digital Forensics for Innovators: Leveraging Open Source in Cyber Investigations from 17<sup>th</sup> February 2025 till 28<sup>th</sup> February 2025



Dr. Hakam Singh attended a Faculty Development Program on Digital Forensics for Innovators: Leveraging Open Source in Cyber Investigations from 17th February 2025 till 28th February 2025



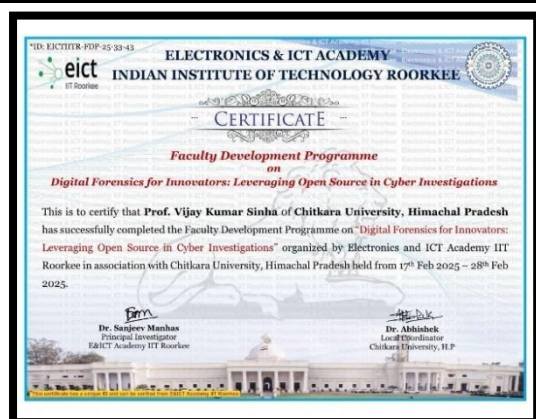
Dr. Navneet Kaur attended a Faculty Development Program on Digital Forensics for Innovators: Leveraging Open Source in Cyber Investigations from 17th February 2025 till 28th February 2025



Dr. Osho Sharma attended a Faculty Development Program on Digital Forensics for Innovators: Leveraging Open Source in Cyber Investigations from 17th February 2025 till 28th February 2025



Dr. Anshu Sharma attended a Faculty Development Program on NEP-2020: Orientation & Sensitization under (MM-TTP) of UGC from 20th February 2025 till 28th February 2025



Dr. Vijay Sinha attended a Faculty Development Program on Digital Forensics for Innovators: Leveraging Open Source in Cyber Investigations from 17th February 2025 till 28th February 2025



Dr. Alok Kumar Agrawal attended a Faculty Development Program on Role of Indian Knowledge System and Skill Development in Technical Education conducted by Rural Development Department from 24th February 2025 till 28th February 2025





Dr. Ramamani Tripathy attended a Faculty Development Program on Digital Forensics for Innovators: Leveraging Open Source in Cyber Investigations from 17<sup>th</sup> February 2025 till 28<sup>th</sup> February 2025



Mr. Gaurav Mehta attended a Faculty Development Program on Sustainable Development Goals- Interventions and Schemes of Govt. of India conducted by Electrical Engineering Department from 17<sup>th</sup> February 2025 till 21<sup>st</sup> February 2025

## Short-Term Courses Attended by Faculty Members

Course Name	Name
Caring Classroom- The heart of education	Mr. Alok Kumar Agrawal
Active Teaching strategies course	
Design Thinking	
Deep Learning	Dr. Ashok Kumar, Dr. Nagesh Kumar
Computer Vision 101	
Data Science	Dr. Osho Sharma, Dr. Ashok Kumar
Artificial Intelligence	Dr. Ashok Kumar, Dr. Osho Sharma
Introduction to Natural language Processing	Dr. Ashok Kumar, Dr. Osho Sharma, Dr. Nagesh Kumar
Introduction to Robotic Process Automation	Dr. Ashok Kumar, Dr. Osho Sharma, Dr. Nagesh Kumar





## Achievements





Chitkara University Sports Board organized a successful 3-on-3 Basketball Tournament, with CSE students participating in teams selected via an auction. Team Khedi Ballers (boys) and Team B Square (girls) emerged as champions, showcasing exceptional teamwork and skill.

### Basketball Tournament

Students	
Divyanshu Sharma	2111981250
Raghav Dhanda	2311981404
RUNNER-UPS - Thakur Abhay	2211981437
Rahul Sharma	2211981292
Kumar Vaibhav	2311981299





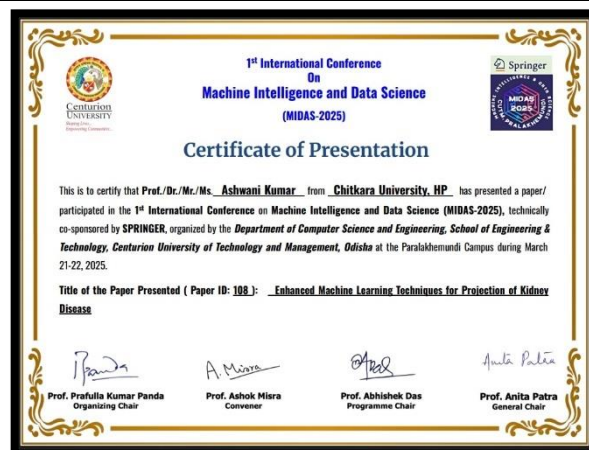
Our university participated in Lakshya 2K25, hosted by Baddi University from March 9th to 11th, 2025. The CSE students in our Football Team showcased exceptional skill and teamwork, winning the tournament and a ₹7,000 cash prize under Captain Sourav Kumar's leadership, further boosting our university's sports reputation.

### Football Tournament

Students	
Sourav	2211981402
Priyanshu	2211981280
Sahil chaudhary	2211981331
Shubham bhowmik	2211981383
Shubham thakur	2211981385
Aryan	2411981130
Abhirudh	2211981010
Aditya chauchan	2111981311
Nitesh rawat	2311981357



The certificate is awarded to **Mr. Ashwani Kumar**, a student from **Chitkara University, HP**, for presenting the paper "**Enhanced Machine Learning Techniques for Projection of Kidney Disease**" at the **1st International Conference on Machine Intelligence and Data Science (MIDAS-2025)**, held at **Centurion University, Odisha**. The conference was technically co-sponsored by **Springer**.





## PATENTS

### Patents Granted

Sr No.	Title	Inventor	Application No	Granted date	Design /Utility
1	TRACKING AND STORING ASSEMBLY	AJAY SHARMA, SHANKAR SHAMBHU	202111015677	10-01-2025	Utility
2	Kalm-An Apple Organic Pen	Dr. Shahbaz Afzal	442367-001	17-03-2025	Design

### Patents Filed

Sr.No.	Title	Inventor	Filing Date	Application No.	Type
1	Sustainable Water Piping Monitoring and Control System	Tapas Sharma	22-02-2025	202511015537	Utility

## PUBLICATIONS



Sr. No	Authors	Title	Name Of The Journal / Conference/ Book Chapter
1	Aarushi Sharma, Hakam Singh, Nilamadhab Mishra, Ramamani Tripathy, Rudra Kalyan Nayak and Saroja Kumar Rout	Exploring the Impact of Metaverse on Education System	Transformative Approaches to STEAM Integration in Modern Education



2	Premananda Sahu, Srikanta Kumar Mohapatra, Prakash Kumar Sarangi, Jayashree Mohanty, Pradeepta Kumar Sarangi	Detection of non-melanoma skin cancer by deep convolutional neural network and stochastic gradient descent optimization algorithm	Journal of Mechanics of Continua and Mathematical Sciences
3	H. Singh , R. Tripathy , P. Kumar Sarangi , U. Giri , S. Kumar Mohapatra , N. Rameshbhai Amin	Feature-based implementation of machine learning algorithms for cardiovascular disease prediction	Journal of Mechanics of Continua and Mathematical Sciences
4	Shaminder Kaur, Shilpi, Neha, Sandhya Sharma	Plundervolt attack: Simulation based voltage glitching attack against robotics industry	Intelligent Computing Techniques for Smart Energy Systems
5	Sandhya Sharma, Pradeepta Kumar Sarangi, Ashok Kumar Sahoo	Polymer Materials in Daily Life: Classification, Applications, Recent Developments, and Future Prospects	Macromolecular Symposia
6	Navdeep Kaur, Manpreet Kaur Grewal, Uttam Kumar Giri, Alok Kumar Agrawal, Ashok Kumar Sahoo, Pradeepta Kumar Sarangi	Machine Learning Models and Medical Data Analysis: An Experiment	International conference on Artificial intelligence in health care, education and Industry (IDICAIHEI-24)
7	Pradeepta Kumar Sarangi, Nidhi Goel, Lekha Rani , Ashok Kumar Sahoo	Machine Learning in Polymer Science: Emerging Trends and Future Direction	Macromolecular Symposia
8	Monika Sethi, Vidhu Baggan	Comparative Analysis of Conventional Machine Learning and Deep Learning Techniques for Predicting Parkinson's Disease	Multimodal Data Fusion for Bioinformatics Artificial Intelligence
9	Tanisha Gupta, Akarsh Tripathi, Ashutosh Kumar Dubey, Ravita Chahar	Enhancing the imitation game: a trust-based model for distinguishing human and machine participants	Applied Intelligence
10	Harpreet Kaur, Shilpi Harnal, Vidhu Baggan, Rajeev Tiwari	Resource management solutions for IoT devices in fog computing architecture.	Cloud and Fog Optimization-based Solutions for Sustainable Developments
11	Navneet Kaur	Hybrid image splicing detection: Integrating CLAHE, improved CNN, and SVM for Digital Image Forensics	Expert Systems with Applications
12	Naveen Patel <sup>1</sup> , Santanu Mallik <sup>2</sup> , Saurabh Kumar <sup>1</sup> , Brijesh Kumar Yadav <sup>1</sup> , Akansha Patel <sup>1</sup> , Vinod Kumar Chaudhary <sup>1</sup> , Arun Lal Srivastav <sup>3*</sup>	Iron infused Cajanus cajan leaf-based novel bioadsorbent for fluoride adsorption from water: Isotherm, kinetic and mechanisms	Water, Air, & Soil Pollution

13	Ranjana Dhiman, Uttam Kumar Giri, Atul Tiwary, Ramamani Tripathy, Ashok Kumar Sahoo, Pradeepta Kumar Sarangi	Machine Learning Based Predictive Models for Lung Cancer Detection and Classification	International Conference on Cybernation & Computation
14	Ishu Rani, Dibyhash Bordoloi, Abhishek Tiwari, Pradeepta Kumar Sarangi, Srikanta Kumar Mohapatra, Nidhi Goel	Feature Extraction and Machine Learning Models for Heart Disease Prediction: An Exploratory Analysis	International Conference on Contemporary Computing and Informatics (IC3I 2024)
15	Ishu Rani, Dibyhash Bordoloi, Abhishek Tiwari, Pradeepta Kumar Sarangi, Srikanta Kumar Mohapatra, Alok Kumar Agrawal	Applying ML Models for Heart Disease Prediction: A Comparative Analysis	IEEE International Conference on Communication, Computing and Signal Processing (IICCCS 2024)
16	Vijayta Patil, Jhankar Moolchandani, Ashutosh Kumar Dubey	A review on advancing cybersecurity frameworks by integrating machine intelligence with federated learning	5Th International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS 2024)
17	Rudra Kalyan Nayak , Manan Sodha , Ramamani Tripathy , Nilamadhab Mishra and Santosh Kumar Tripathy	Exploring the Efficacy of Supervised Learning in Indian Stock Market Prediction A Comprehensive Analysis	3rd International Conference on Advanced Computing and Applications (ICACA-2024)
18	Lata Rani, Nitin Jangr, Komal Thapa1, Arun Lal Srivastav, Eric D. van Hullebusch, Vivek Puri	Advancing the frontier: hybrid renewable energy technologies for sustainable power generation	Computer Vision and Machine Intelligence for Renewable Energy Systems Advances in Intelligent Energy Systems
19	Vijay Kumar Sinha, Manish Mahajan, Srikanta Mallik , Ashok Sahoo, Nisha Kumari , Fitri Yakub	Severity prediction of Omicron Sub-Variant JN.1 by using Machine Learning	International Conference on Machine Learning Algorithms (ICMLA 2024)
20	PRADEEPTA KUMAR SARANGI , Lekha Rani , Divij Chhabra , Mudit Mudit , Ashok Sahoo , Soumya Nayak	Comparing and Analyzing the Effectiveness of Hybrid Machine Learning Model for Crude Oil Price Prediction	4th International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication (MARC-2023)
21	Lipika Gupta, Minaxi Dassi, Mohit Goyal, Kulbhushan Sharma	Implementation of optimized Ternary AND gate using 18nm FinFET	International Conference on Emerging Technology and Sustainable Solutions (ICCESS2023)





## Cultural Fiestas & Celebrations at the University



25<sup>th</sup> Feb, 2025

### The Vasant Panchami celebration

The Vasant Panchami celebration at Chitkara University was filled with devotion and positivity.

The event began with a Saraswati Maa Pooja, where students and faculty gathered to seek the blessings of Goddess Saraswati, the goddess of wisdom and learning. The pooja created a peaceful and spiritual atmosphere, bringing everyone together in prayer.

After the pooja, Prasad was distributed to all, spreading joy and togetherness. The event was a beautiful way to celebrate knowledge, culture, and tradition. It reminded everyone of the importance of education and wisdom in life.







26<sup>th</sup> Jan, 2025

## The 76th Republic Day Celebration

Chitkara University, Himachal Pradesh celebrated the 76th Republic Day with great enthusiasm under the theme “*SWARNIM BHARAT - Virasat aur Vikas.*” Vice Chancellor Dr. Rajnish Sharma hoisted the national flag, followed by the National Anthem and an impressive march-past by NCC, NSS, and security personnel.

Highlights included a balloon release, a tree plantation drive, and vibrant cultural performances by student clubs—featuring music, dance, and a powerful play on constitutional rights. The event concluded with refreshments for all, celebrating India’s heritage and unity.







8<sup>th</sup> Mar, 2025

## International Women's Day

Chitkara University, Himachal Pradesh, celebrated International Women's Day with great enthusiasm, honoring the theme *"Accelerate Action."* The event welcomed distinguished guests including Ms. Ira Prabhat, Ms. Ekta Gupta, Ms. Shuchi Singh, and alumna Ms. Riya Madaan, who shared inspiring insights on empowerment, entrepreneurship, arts, and professional growth.

A heartfelt audio message from Hon'ble Pro Chancellor Ma'am set a reflective tone, followed by a panel discussion moderated by Dr. Meenu Khurana. Cultural highlights included moving performances by women support staff, students from the School of Pharmacy, and a captivating Kathak recital by Ms. Shuchi Singh. Spontaneous dance performances by faculty added joy to the celebrations.





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