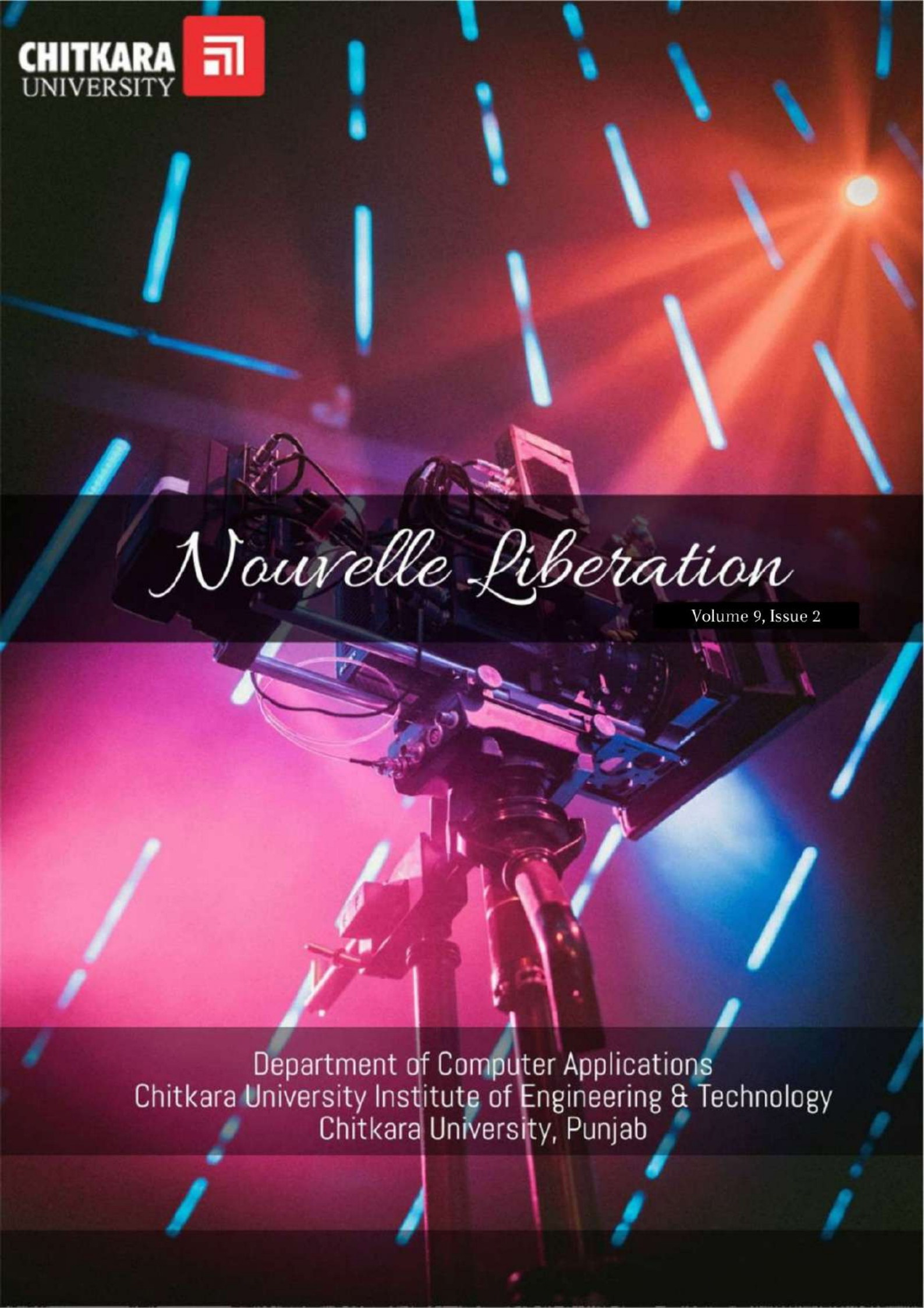

CHITKARA UNIVERSITY

Nouvelle Liberation

Volume 9, Issue 2

Department of Computer Applications
Chitkara University Institute of Engineering & Technology
Chitkara University, Punjab

Newsletter
June, 2023

This newsletter has been edited and published by the Department of Computer Applications, Chitkara University, Punjab, India

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WEBSITE DESIGN INNOVATIONS USING JOOMLA

MARCH 27, 2023

CSI Student Chapter under the aegis of the Department of Computer Applications, Chitkara University, Punjab organized a workshop on "Website Design Innovations using Joomla". Joomla is an open source content management system (CMS) that is used to construct everything from simple corporate applications to sophisticated websites. The resource person provided information on the construction, update, and removal of software as well as content management system (CMS) software. Students set up Joomla using the XAMPP/WAMP server and simultaneously constructed the website by adding the joomshaper.com templates. The installation of Joomla's components, modules, and plug-ins has been taught to the students. Additionally, the students acquired a variety of design skills for the implementation of creative website ideas.

A DESIGN CENTRIC APPROACH TO PATENTS

MARCH 30-31, 2023

CSI Student Chapter under the aegis of the Department of Computer Applications organized "Two-day Workshop on a Design-Centric Approach to Patents". The Resource persons of the event were Dr. Jaiteg Singh (Professor and Dean, Department of Computer Applications), Dr. Deepika Chaudhary (Professor, Department of Computer Applications), and Dr. Jaswinder Singh (Associate Professor, Department of Computer Applications). Dr. Jaiteg Singh gave the opening keynote talk to the first day's session. He taught the students how to apply the design thinking methodology to solve challenges in the actual world. In her presentation, Dr. Deepika Chaudhary explained what Design Thinking is and how it has helped various businesses solve problems. Dr. Jaswinder Singh gave the workshop's opening remarks on the second day. He educated the students on the various kinds of intellectual property rights (IPR) and showed them how to submit applications for design and utility patents. After that, students gave some truly excellent ideas that could lead to the filing of the patent during a brainstorming session.

HANDS-ON SESSION ON EMERGING TRENDS OF CYBER CRIME AND ITS MITIGATION

APRIL 6, 2023

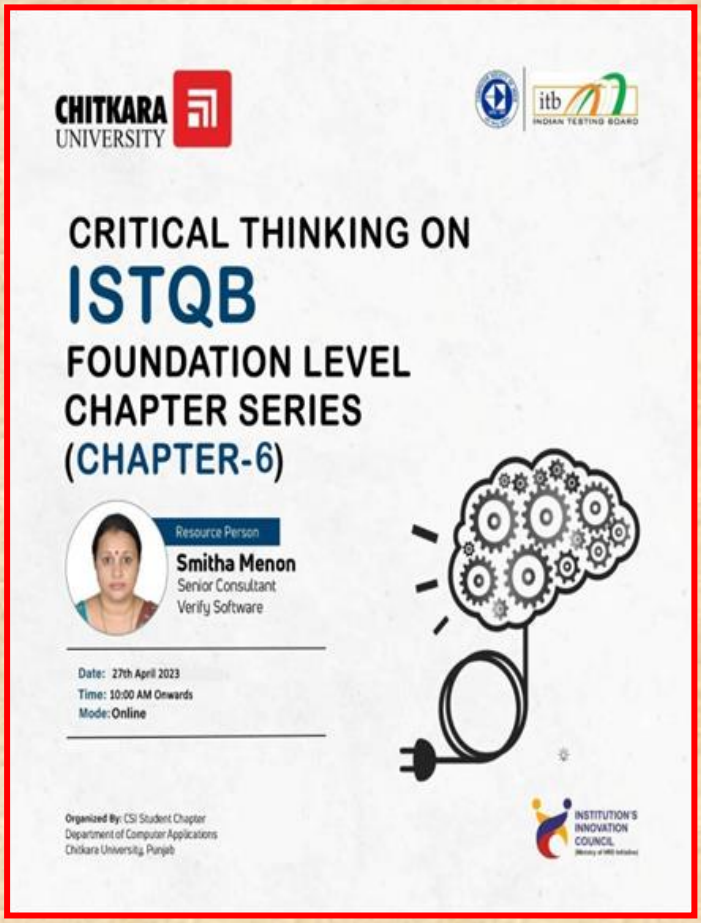
CSI Student Chapter under the aegis of the Department of Computer Applications, Chitkara University Punjab organized an expert talk on "Hands-on Session on Emerging Trends of Cyber Crime and its Mitigation". Mr. Akarsh Anand Sinha, Mr. Danish Jain, and Mr. Nakul Bansal served as the session's recourse individuals. The wide spectrum of digital crimes that students learned about includes financial crimes, scams, cybersex trafficking, and computer fraud. Additionally, the students studied several measures to stop cybercrime. Resource people participated in a hands-on session where Mr. Akarsh demonstrated several tools, including SQL injection, XSS cross-site scripting, and cookie hijacking. The burp suite and cybercrime ethics were covered in a lesson by Mr. Danish and Mr. Nakul. Students conducted a critical analysis of the potential for cybercrime during this practical lesson to learn how to protect themselves. The resource persons also discussed the various planning methods and strategies for cybercrime.

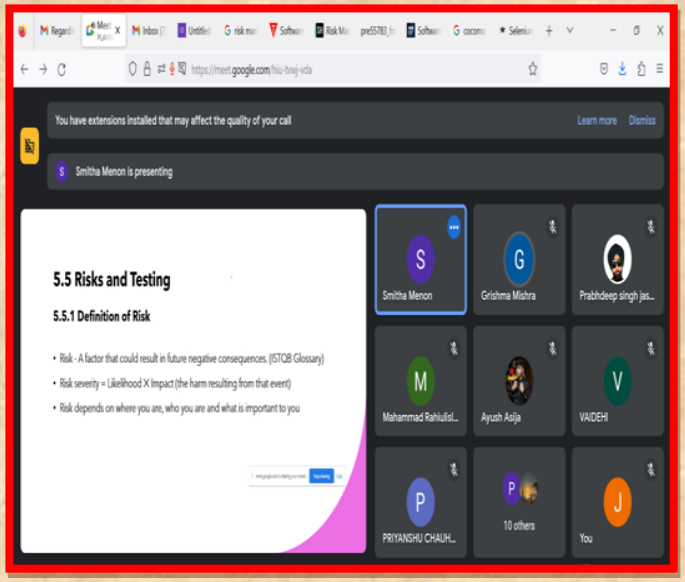
SESSION ON PRE- INCUBATION FUNDING ROADMAP AND CHALLENGES APRIL 24, 2023

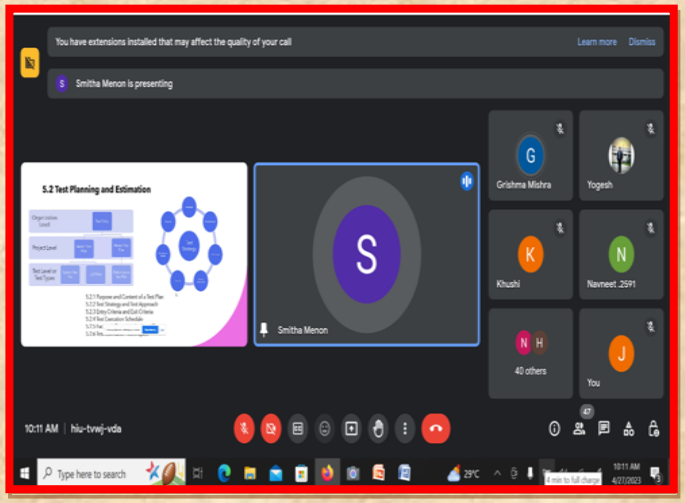
CSI Student Chapter under the aegis of the Department of Computer Applications, Chitkara University, Punjab organized a "Session on Pre – Incubation Funding Roadmap and Challenges". The event's resource person was Mr. Sagar Juneja (Assistant Dean, Chitkara University Research and Innovation Network). He imparted knowledge on how to develop unique initiatives from their inception into successful start-ups. He goes into further detail regarding the financial aid that is offered to students during the pre-incubation and incubation phases. He also discussed the numerous financial options the Indian government offers for start-ups and innovation. He urged students to develop original ideas, saying that the university will aid them in turning those ideas into start-up businesses.

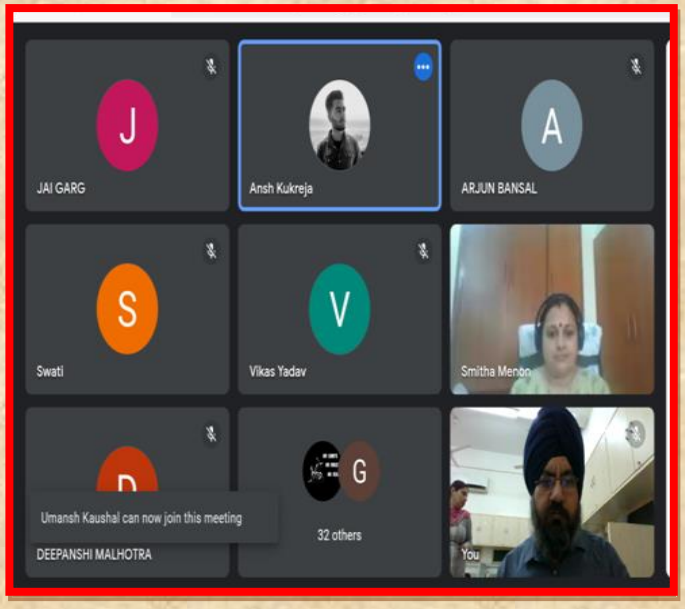
CRITICAL THINKING ON ISTQB FOUNDATION LEVEL- CHAPTER SERIES (CHAPTER-6)

APRIL 27, 2023









CSI Student Chapter under the aegis of the Department of Computer Applications, Chitkara University, Punjab organized an expert talk on "Critical Thinking in ISTQB Foundation Level Chapter Series (chapter-6)". Ms. Smitha Menon, Senior Consultant, Verify software was resource person in this session. The resource person in this session mentioned the various testing metrices and illustrates how to apply these metrics for successful software testing. She also mentioned various risks associated with the improper testing and how to mitigate these risks. Students critically learned and analysed the testing metrics and its implementation on software. Students came to know about various risks associated with the improper testing and its impact on the stakeholders.

INDUSTRY VISIT TO BEBO TECHNOLOGIES
MAY 18, 2023

CSI Student Chapter under the aegis of the Department of Computer Applications organized an industry visit to bebo technologies on May 18, 2023. 48 MCA students, together with two staff members, attended the visit. The manager of bebo Technologies in Chandigarh, Mr. Devender Guleria, greeted the faculty and students. Mr. Guleria gave a brief summary of the bebo Technologies work process during the tour, showcasing the company's most recent and forthcoming technologies. He also emphasized the crucial skill set required for a successful hire within the organization. The HR policies of the organization were discussed by Ms. Akansha from the HR department. Additionally, Mr. Anish and Mr. Vikramjit Singh, software engineers from bebo technology in Chandigarh, engaged the students in a discussion on the most recent technology being used to develop projects.

CHITKARA'S VALORANT CHAMPIONSHIP FEBRUARY 19-21 , 2023

"Chitkara's Valorant Championship" was held on February 19–21, 2023 by the Matrix club under the aegis of the Department of Computer Applications and DICE, Chitkara E-sports Club. The College gaming club SKOAR provided sponsorship for the event. First-person tactical hero shooter is a free-to-play windows game created and released by Riot Games. Valorant is currently one of the most popular games in the Indian market. Players play as one of a set of Agents, characters based on several countries and cultures around the world. In the main game mode, players are assigned to either the attacking or defending team with each team having five players .The event was a success due to the efforts of numerous students and participation from various University departments.

SARANG-DANCE COMPETITION
APRIL 3, 2023

Matrix Club's "SARANG" was a celebration of skill, innovation, and enthusiasm for dancing under the aegis of the Department of Computer Applications at Chitkara University. On April 3, 2023, the event sponsored by Eagle Eye, co-sponsored by Navigators, with Coca-Cola as the beverage partner and Gifts/Hamper partners was held in the university auditorium, which was jam-packed with enthused attendees. The event featured a total of 22 participants from various university departments. Every dancer displayed their distinct style and abilities throughout each performance, which were all breath-taking. Each team brought its own flavour and style to the performances, which ranged from hip-hop to modern. The dance competition, which brought together the university's top dancers, was a resounding success overall. The gift baskets and other prizes donated by the sponsors were awarded to the winners.

RESEARCH & PUBLICATIONS

Malik, V., Mittal, R. and Rana, A., 2022, December. BiCNN-CML: Hybrid Deep Learning Approach for Chronic Myeloid Leukemia. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1771-1777). IEEE.

Malik, V., Mittal, R., Singh, V. and Rana, A., 2022, December. An AI Based Approach for Classification and Performance Evaluation of Teaching Assistant. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1458-1462). IEEE.

Mittal, R., Kazlouski, A.M. and Rana, A., 2022, December. Segment Analysis for Nonparametric Image Registration of Spaceborne Imagery of Farmland. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1630-1633). IEEE.

Mittal, R., Malik, V. and Rana, A., 2022, December. DL-ASD: A Deep Learning Approach for Autism Spectrum Disorder. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 1767-1770). IEEE.

Mittal, R., Singh, J., Malik, V., Mittal, A., Rattan, V. and Singh, S.V., 2022, December. Forecasting E-Mentoring Effectiveness using Data Mining Approach. In 2022 5th International Conference on Contemporary Computing and Informatics (IC3I) (pp. 931-934). IEEE.

Modi, N. and Singh, J., 2022, October. A comparative analysis of deep learning algorithms in eye gaze estimation. In 2022 International Conference on Data Analytics for Business and Industry (ICDABI) (pp. 444-447). IEEE.

Kusla, V., Brar, G.S., Garg, V.K., Bansal, A. and Kaushal, R., 2023, March. Meta-heuristic Artificial Humming Bird Algorithm Based Energy Efficient Cluster Head Selection (MAHA-EECHS) in Wireless Sensor Networks. In 2023 International Conference on Emerging Smart Computing and Informatics (ESCI) (pp. 1-6). IEEE.

PATENTS

S No	Names of the Inventors	Title of the Patent	Patent Number
1	Dr. Varun Malik, Dr. Ruchi Mittal, Dr. Jaiteg Singh, Mr. Vikas Rattan, Dr. jaiteg Singh, Dr. Amit Mittal, Dr. Preetinder Singh Brar	Smart Table	368262-001
2	Dr. Rajesh Kumar Kaushal, Dr. Naveen Kumar, Dr. Surya Narayan Panda, Dr. ShilpiGarg	System and Method for Managing Grievances using Blockchain	202311033082
3	Mr. Amanpreet Singh, Dr. Amandeep Kaur, Dr. Deepali Gupta, Dr. Rupinder Singh, Dr. Maninderjit Singh, Dr. Jaspreet Singh	Bracelet with SOS Button	383374-001
4	Mr. Jaspreet Singh Bajaj, Dr. Naveen Kumar, Dr. Rajesh Kumar Kaushal	System and Method to Detect Drowsiness of Driver	202311036778
5	Dr. Naveen Kumar, Dr. Rajesh Kumar Kaushal, Dr. SanjeevVerma, Dr. S.N.Panda, Dr. Manish Sharma, Ms. PoonamShourie	Internet of Things Based Hybrid Fitness Monitoring System and Method	202311008209
6	Dr. Varun Malik, Dr. Ruchi Mittal	Stretchable Belt	384759-001
7	Dr. Amandeep Kaur, Dr. Jaiteg Singh, Mr. Akash Singh Rajput, Dr. Varun Malik, Ms. Puninderkaur, Ms. Sweta Sharma	Wristwatch gadget for rescue operations	230605-1322
8	Dr. SanjeevVerma, Dr. Naveen Kumar, Dr. Rajesh Kumar Kaushal, Dr. S.N. Panda, Dr. Mohit Kumar, Dr. Raman Kumar	SOS-Enabled Fire Extinguisher	202311008817
9	Dr. Divya Khanna, Dr. Prashant Singh Rana, Dr. Jaiteg Singh	Tech-Based Switch Board	230523-1278
10	Dr. Divya Khanna, Dr. Prashant Singh Rana, Dr. Jaiteg Singh	Smart Mirror for Well-being of User	230404-1025

FACULTY ACHIEVEMENTS

Dr. Rajesh Kaushal was invited as a resource person at Vardhaman College of Engineering, Hyderabad to deliver an expert session on Hyperledger Fabric Blockchian Framework on April 28, 2023. The talk was focused on Blockchain Networks, installing Blockchain Framework (Fabric) and way to evaluate its performance. Approximately 700 participants (Faculty and Students) joined this FDP.

Dr. Naveen Sharma conducted hands-on workshop on Bulid and simulate your network using packet tracer on June 7, 2023 under Institution Innovation council (IIC) in collaboration with immersive and interactive technology Lab (IITL) and IoT and cloud computing lab, Chitkara University, Punjab.

Mr. Jaspreet Singh Bajaj was awarded with the best research paper titled “System and Method for Driver Drowsiness Detection Using Behavioral and Sensor-Based Physiological Measures” in April, 2023. This article belongs to the Special Issue of Sensors for Smart Vehicle Applications.

FACULTY ACHIEVEMENTS

Dr. Maninderjit Singh Khanna, Dr. Jaiteg Singh, Mr. Jaspreet Singh Bajaj, Mr. Amanpreet Singh Dr. Akhilendra Khare were granted a patent titled “Alluminum Body Toothpick With String & Cavity Identifier Tool” vide application number 371088-001.

पेटेंट कार्यालय, भारत सरकार
The Patent Office, Government Of India
डिज़ाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

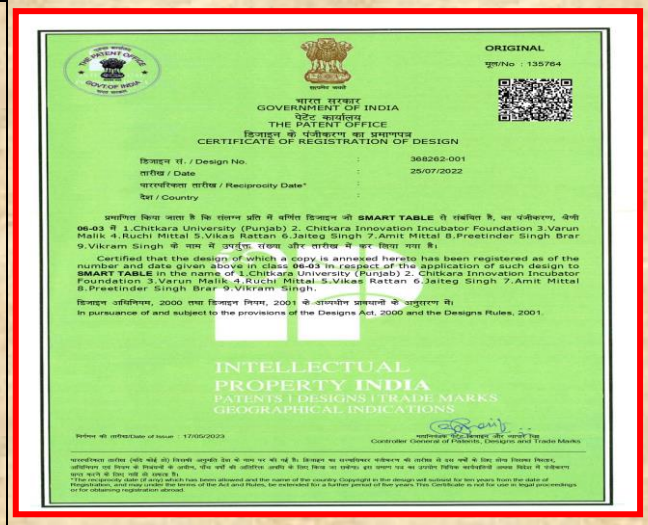
डिज़ाइन सं. / Design No. : 371088-001
तारीख / Date : 20/09/2022
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिज़ाइन जो *ALLUMINUM BODY TOOTHPICK WITH STRING & CAVITY IDENTIFIER TOOL* से संबंधित है, का पंजीकरण, वेनी 28-03 में 1.Chitkara University (Punjab) 2. Chitkara Innovation Incubator Foundation 3.Maninderjit Singh Khanna 4.Jaiteg Singh 5.Jaspreet Singh Bajaj 6.Amanpreet Singh 7.Akhilendra Khare के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 28-03 in respect of the application of such design to *ALLUMINUM BODY TOOTHPICK WITH STRING & CAVITY IDENTIFIER TOOL* in the name of 1.Chitkara University (Punjab) 2. Chitkara Innovation Incubator Foundation 3.Maninderjit Singh Khanna 4.Jaiteg Singh 5.Jaspreet Singh Bajaj 6.Amanpreet Singh 7.Akhilendra Khare.

डिज़ाइन अधिनियम, 2000 तथा डिज़ाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

Dr. Varun Malik, Dr. Ruchi Mittal, Dr. Jaiteg Singh, Mr. Vikas Rattan, Dr. Jaiteg Singh, Dr. Amit Mittal, Dr. Preetinder Singh Brar were granted a patent titled “Smart Table” vide application number 368262-001.



ORIGINAL
भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
डिज़ाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिज़ाइन सं. / Design No. : 368262-001
तारीख / Date : 25/07/2022
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिज़ाइन जो **SMART TABLE** से संबंधित है, का पंजीकरण, वेनी **06-03** में 1.Chitkara University (Punjab) 2. Chitkara Innovation Incubator Foundation 3.Varun Malik 4.Ruchi Mittal 5.Vikas Rattan 6.Jaiteg Singh 7.Amit Mittal 8.Preetinder Singh Brar 9.Vikram Singh के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **06-03** in respect of the application of such design to **SMART TABLE** in the name of 1.Chitkara University (Punjab) 2. Chitkara Innovation Incubator Foundation 3.Varun Malik 4.Ruchi Mittal 5.Vikas Rattan 6.Jaiteg Singh 7.Amit Mittal 8.Preetinder Singh Brar 9.Vikram Singh.

डिज़ाइन अधिनियम, 2000 तथा डिज़ाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Dr. Ruchi Mittal organized an FDP tittled “Innovation in Technology and Healthcare” on April 20-21, 2022 at the Department of Computer Applications, Chitkara University, Punjab. More than Fifty Faculty members from chitkara University and outside compus participant in this Faculty Development Program.

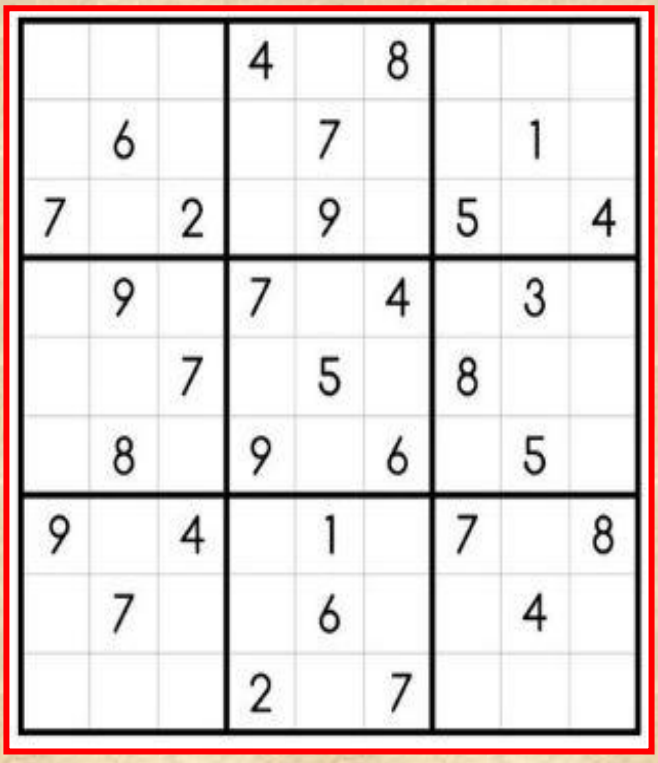
STUDENT ACHIEVEMENTS

Name	Class (Sem)	Event	Organizers	Date	Position
Akarsh Anand Sinha,Tanish Goyal, James.	BCA(6)	HACK JKLU 2.0	Hackathon JK Lakshipat, Jaipur.	4/22/2023	1st Postion
Akarsh Anand Sinha, Avi Tomar and James.	BCA(6)	Smart Hackathon	Shaheed Bhagat Singh State University, India.	2/11-12/2023	1st Postion
Manya Arora.	BCA 2	Sanskriti (Group Folk Dance Competition)	Mood Indigo, IIT Bombay.	1/29-30/2022	2nd position
Bhumi Tanwar	BCA 4	Codathon 2023	Coding Ninjas	5/22/2023	15th Rank

PLACEMENTS-BCA

S No	Roll Number	Name	Company
1	2010992509	APARNA LUTHRA	Kindle Global Pvt. Ltd.
2	2010992518	DIKSHA KHANDUJA	Kindle Global Pvt. Ltd.
3	2010992539	JAMES	Zenmonk
4	2010992587	RISHANK JAIN	Mechvil Infrastructure Pvt. Ltd.
5	2010992652	SUMIT PANDEY	Noventiq
6	2010992657	DEEKSHA	Kietron Consulting Services Private Limited
7	2010992669	NIMISH GARG	Blockchain Adda Block to Block Pvt. Ltd
8	2010992675	PUSHKAR BHOLA	Blockchain Adda Block to Block Pvt. Ltd
9	2010992678	RAGHAV BALI	Bookvala D2D India Pvt. Ltd.
10	2010992704	SANSAR BAJAJ	Bookvala D2D India Pvt. Ltd.
11	2010992733	OJAS CHANANA	Blockchain Adda Block to Block Pvt. Ltd

A Brain Teaser



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		7		5		8		
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Solution of Last Issue

9	5	7	6	1	3	2	8	4
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8	4	5	7	9	2	6	1	3
2	9	1	4	3	6	8	7	5
7	3	6	1	8	5	4	2	9

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"

CHITKARA UNIVERSITY, PUNJAB

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