

CHITKARA
UNIVERSITY



Nouvelle Liberation

Volume 8, Issue 1

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

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

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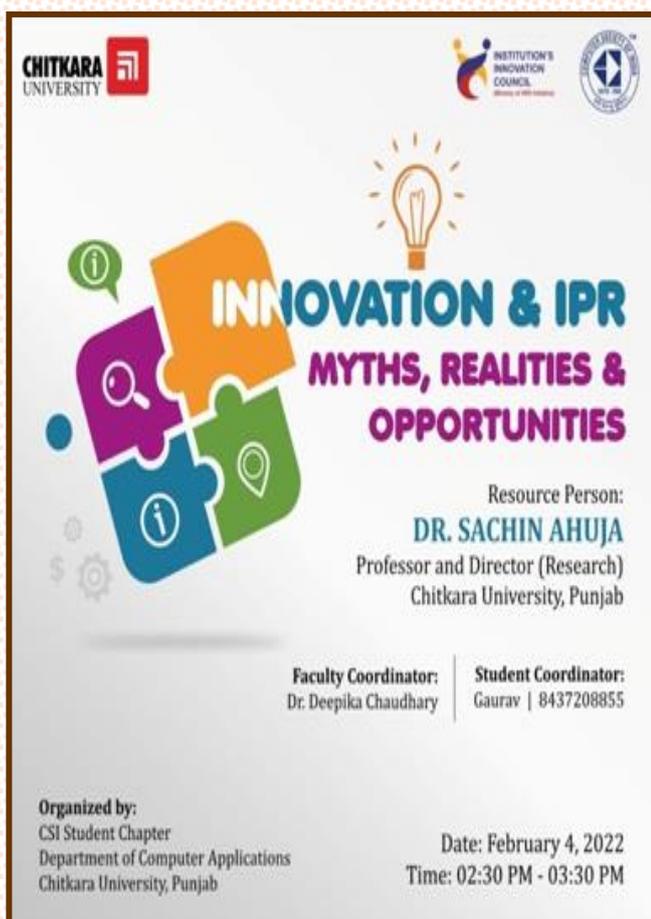
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INNOVATION AND IPR – MYTHS, REALITIES & OPPORTUNITIES FEBRUARY 4, 2022

CSI Student Chapter (Department of Computer Applications) organized an expert talk on Innovation and IPR- Myths, Realities & Opportunities. The session was conducted by Dr. Sachin Ahuja (Professor & Director-Research, Chitkara University, Punjab). Dr. Sachin busted the myths regarding innovation and discussed how Chitkara University helps students and teachers to file patents. He also discussed the importance of patents, copyrights and trademarks. The resource person answered the queries of the students regarding copyright issues. It was a very informative and interactive session.



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INSTITUTION'S INNOVATION COUNCIL

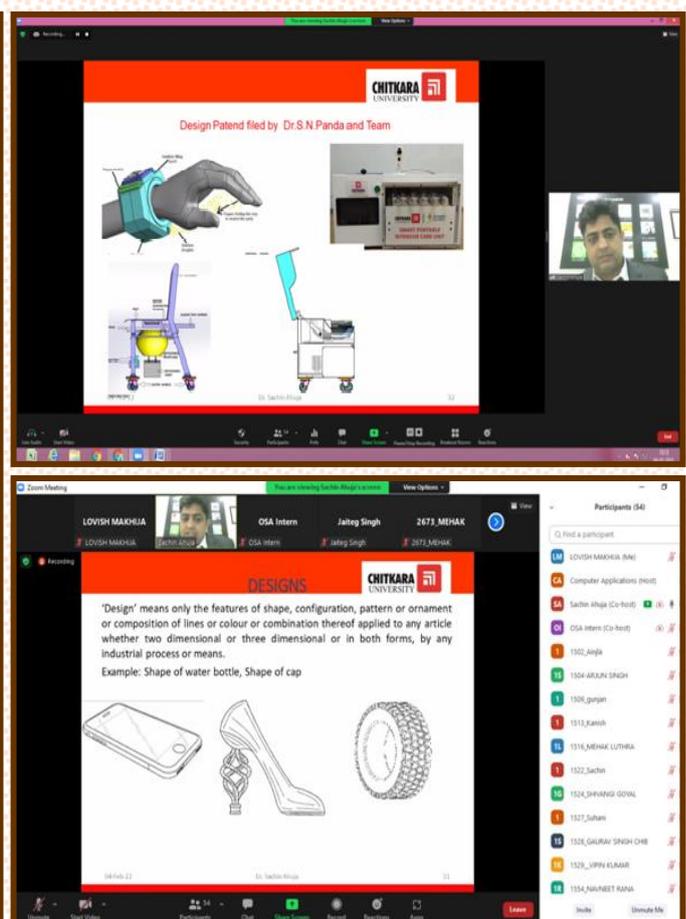
INNOVATION & IPR MYTHS, REALITIES & OPPORTUNITIES

Resource Person:
DR. SACHIN AHUJA
Professor and Director (Research)
Chitkara University, Punjab

Faculty Coordinator: Dr. Deepika Chaudhary | Student Coordinator: Gaurav | 8437208855

Organized by:
CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

Date: February 4, 2022
Time: 02:30 PM - 03:30 PM



Design Patent filed by Dr. S.N.Panda and Team

DESIGNS

'Design' means only the features of shape, configuration, pattern or ornament or composition of lines or colour or combination thereof applied to any article whether two dimensional or three dimensional or in both forms, by any industrial process or means.

Example: Shape of water bottle, Shape of cap

INDUSTRY VISIT-APPMOBI IT SERVICES

FEBRUARY 8, 2022

CSI Student Chapter (Department of Computer Applications) organized an industry visit to Appmobi IT Services in virtual mode. The session was conducted by Mr. Gurmeet Singh (Project Manager) who provided insights into the working of IT corporates. He discussed about work ethics and how important it is to maintain professionalism in this fast growing sector. He stated that confidence, discipline and time management skills are the keys to succeed in the IT sector. He apprised the students to explore the domain they are interested in and start developing skills accordingly. He also discussed how Appmobi provides automated real-time threat detection and remediation from insecure apps and IoT.

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CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

INDUSTRIAL VISIT
APPMOBI IT SERVICES Pvt. Ltd.

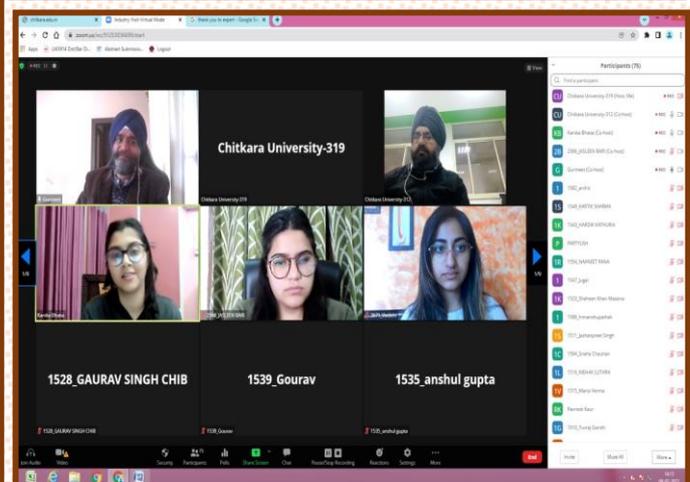
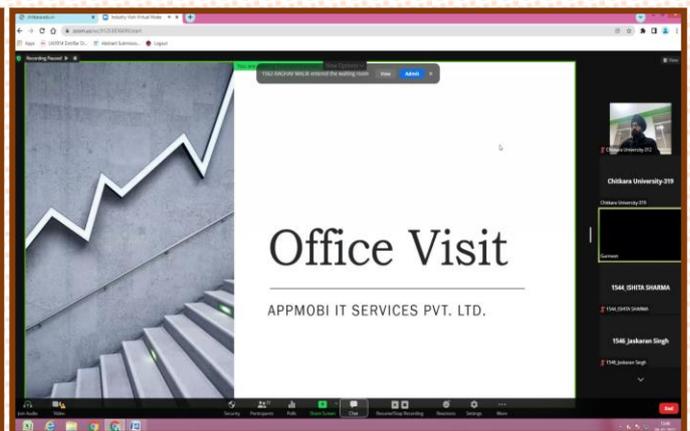
RESOURCE PERSON



Mr Gurmeet Singh
Project Manager
Appmobi IT Services Pvt. Ltd.

STUDENT COORDINATOR
Gurav Chib  8437208855

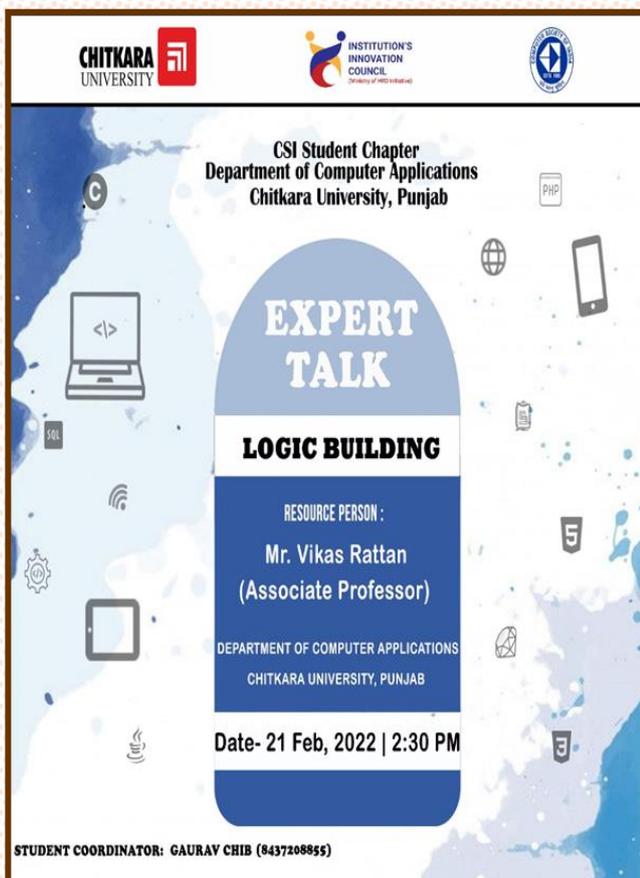
 Date: 8th February 2022



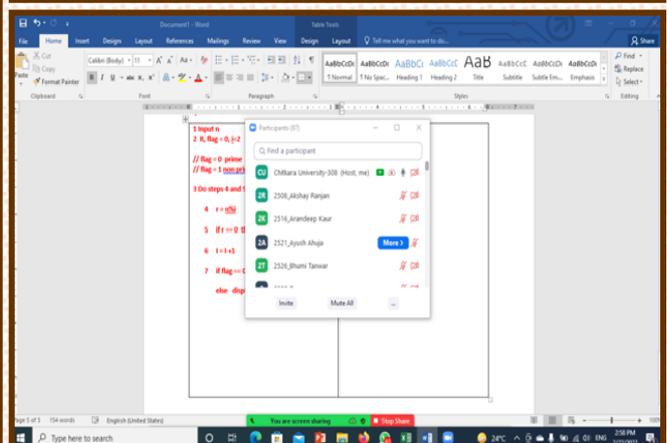
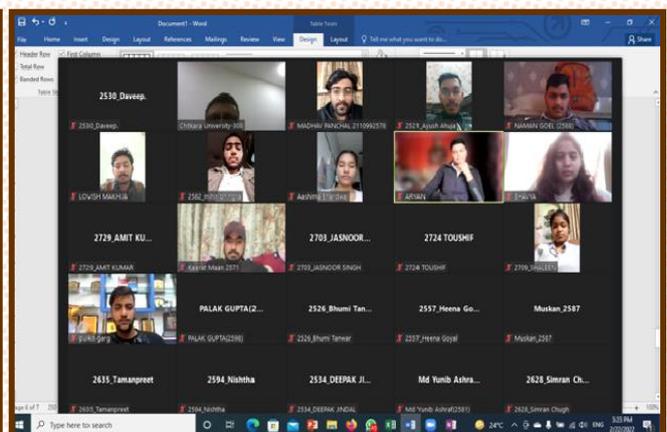
EXPERT TALK ON LOGIC BUILDING

FEBRUARY 8, 2022

CSI Student Chapter (Department of Computer Applications, Chitkara University, Punjab) organized an expert talk on “Logic Building” on February 8, 2022. 103 students from the department participated in this event. The resource person Mr. Vikas Rattan (Associate Professor, Department of Computer Applications) discussed various aspects of program logic development and logic building intricacies. He also emphasized the need of regular practice to develop strong logic for problem solutions. He touched the concepts by relating them with simple examples. Students participated enthusiastically and interactively.



The poster features the logos of Chitkara University and the Institution's Innovation Council. The main text reads: "CSI Student Chapter Department of Computer Applications Chitkara University, Punjab". Below this, it says "EXPERT TALK" and "LOGIC BUILDING". The resource person is listed as "Mr. Vikas Rattan (Associate Professor)" from the "DEPARTMENT OF COMPUTER APPLICATIONS, CHITKARA UNIVERSITY, PUNJAB". The date and time are "Date- 21 Feb, 2022 | 2:30 PM". At the bottom, the student coordinator is "GAURAV CHIB (8437208855)". The background is a light blue map of Punjab with various icons representing technology and education.



WEBINAR ON DOMAIN NAME SYSTEM (DNS)

FEBRUARY 22, 2022

CSI Student Chapter (Department of Computer Applications) organized a webinar on Domain Name System (DNS) in virtual mode. The session was conducted by Mr. Manoj Shukla (Network Administrator, Banasthali Vidyapith). Mr. Manoj Shukla gave the students an insight on the working mechanism of Domain Name System. He also discussed the role of DNS and importance of domains and namespaces in this fast growing sector in the networking field. Resource person also cleared the doubts and it was a very useful and informative session for the students.



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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiatives)

CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

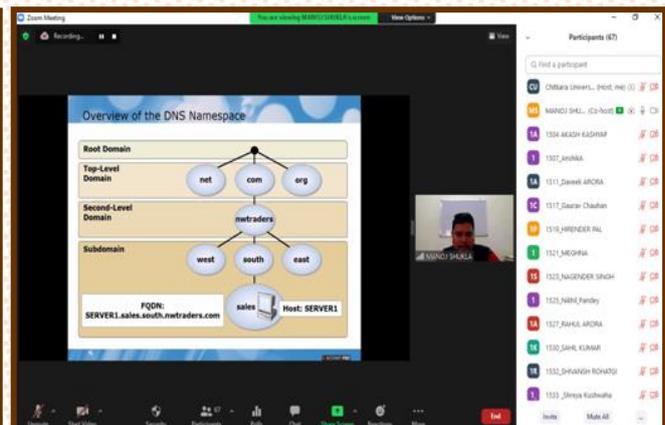
WEBINAR ON DNS

DATE: 22 February, 2022 | 9:30-10:30 AM



Mr. Manoj Shukla
(MCA, CCNA, MCSA Messaging, OCA)
Network Administrator
Banasthali University

STUDENT COORDINATOR :
Gaurav Chib - (8437208855)



Zoom Meeting | Recording | [Meeting ID]

Overview of the DNS Namespace

Root Domain

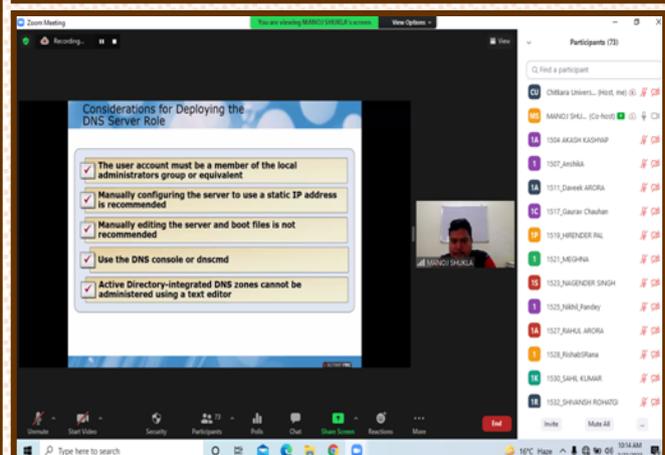
Top-Level Domain: net, com, org

Second-Level Domain: netraders

Subdomain: west, south, east

FQDN: SERVER1.sales.south.netraders.com | Host: SERVER1

Participants (87)



Zoom Meeting | Recording | [Meeting ID]

Considerations for Deploying the DNS Server Role

- The user account must be a member of the local administrators group or equivalent
- Manually configuring the server to use a static IP address is recommended
- Manually editing the server and boot files is not recommended
- Use the DNS console or dnscmd
- Active Directory-integrated DNS zones cannot be administered using a text editor

Participants (73)

EXPERT TALK ON WEBSITE PUBLISHING

MARCH 3, 2022

CSI Student Chapter (Department of Computer applications) organized an expert talk on “Website Publishing”. The session was conducted by Mr. Amanpreet Singh (Assistant Professor, Department of Computer Applications, Chitkara University, Punjab). Mr. Singh gave the students an insight on hosting a website. He also explained how a website should be designed and why quality assurance audit is a must for a website. He motivated that students to publish a website and establish their own start-ups. It was a very useful and informative session for students.

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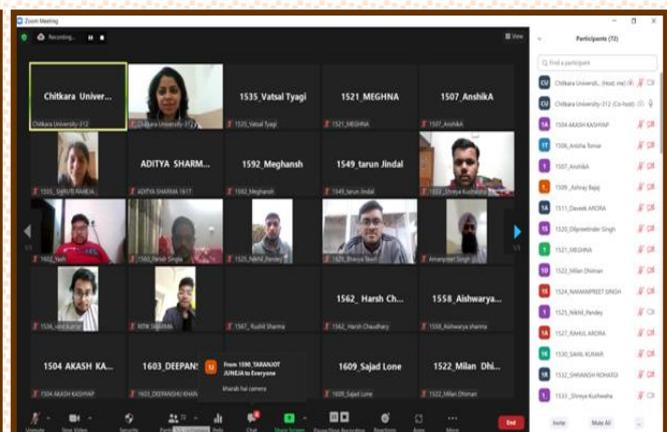
CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

EXPERT TALK ON WEBSITE PUBLISHING

Resource Person -
Mr. Amanpreet Singh
(Assistant Professor)

Date - 3rd March 2022 | 2-3 PM

STUDENT COORDINATOR -
Gaurav Chib - (8437208855)



Zoom Meeting

CHITKARA UNIVERSITY

Before you can decide how to build your website, you'll need to consider two critical factors. These are:

- **Time:** The time required to build a website can vary widely based on the method you're using. So it's essential to know whether you're in a rush or can afford to take your time.
- **Budget:** Building a website can be inexpensive if you go about it the right way. However, if you want to avoid ads from your site or avoid access to extended features, you will need to budget in a way to get what you need.

Participants (17)

TECHQUIZ

MARCH 4, 2022

CSI Student Chapter (Department of Computer Applications) organized an online quiz competition "TECHQUIZ" on March 4, 2022. Thirty students from the department participated in the event. The questions were based on programming and logic development that helped the students to test and enhance their coding skills in various programming languages. Parth Khatter, Shubham Jain and Pulkit Saxena of BCA program bagged the first, second and third position respectively.



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CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

TECHQUIZ

Technical Quiz based on
C++ Programming Language

Date - 4th March 2022
Time - 10:55-11:40 AM

Venue - Demorgan Block
Platform - Myanatomy

STUDENT COORDINATOR
Gaurav Chib - (8437208855)



TECH MASTER MARCH 7, 2022

CSI Student Chapter (Department of Computer Applications) organized an online quiz competition "TECH MASTER" on March 7, 2022. Sixty students from the department participated in the event. The event was aimed to assess the cognitive skills and conceptual knowledge of the students. The event comprised of two rounds i.e. technical quiz (round-1) and group discussion (round-2). Students participated with keen interest and Ujjwal (BCA-6), Paras (BCA-6) and Deeksha (BCA-4) bagged the first, second, and third position respectively.



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CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

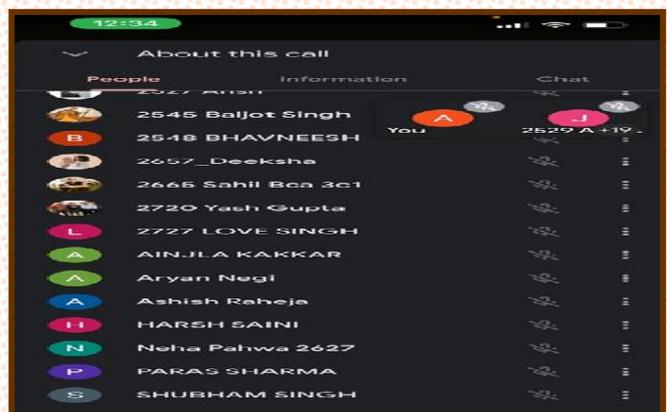
Tech Master

Date - 7th March 2022
Time - 12:00 PM

Registration link:- <https://forms.gle/A5Y2XcGCT8hoDWxQ6>



For any Queries contact-
Gaurav - (8437202885)
Anshika - (9588703919)
Akshita - (7015615926)



TECH-A-THON

MARCH 9, 2022

CSI Student Chapter (Department of Computer Applications) organized "TECH-A-THON" in association with Astrople Technology Solutions to give the students an opportunity to think, design and implement the logical solution of the problem. Problem statements were given by the company and two days were given to the students to deliver the solution. Participants were allowed to use jQuery, JavaScript, Bootstrap, PHP and Laravel. Evaluation was based on UI/UX, responsive, dynamic, flow of code/logic and reusability of functions. This event gave participants a competitive environment to showcase their talent and enhance their skills. The students had a great experience in applying their skills while competing with other participants.



The poster features logos for Chitkara University, Institutions' Innovation Council, and Astrople. The main title is 'TECH-A-THON' with the tagline 'THINK | DESIGN | IMPLEMENT'. It lists the date as 9th & 10th March, 2022, from 09:30 AM to 04:00 PM. The technology stack includes jQuery, JavaScript, Bootstrap, PHP, and Laravel. The venue is DeMorgan Block, Second floor. Evaluation criteria include UI/UX, responsive design, dynamic flow, and reusability. Registration is free, and team size is limited to 2 members. Awards include one month of full-time training and certificates. Student coordinators are Gaurav (8437208855) and Shivani (7986516467). The event is organized by the CSI Student Chapter, Department of Computer Applications, Chitkara University, Punjab.

Date	: 9th & 10th March, 2022
Time	: 09:30 AM - 04:00 PM
Technology	: jQuery, JavaScript, Bootstrap, PHP, Laravel
Venue	: DeMorgan Block, Second floor

Evaluation Criteria	Free	Team Size
UI/UX Responsive Dynamic Flow of code/logic Reusability of Functions	Registration	2 Members/Team

Awards	Student Coordinators
*One month full time training by company at its premises for winners. *Certificates for Winning Teams	Gaurav : 8437208855 Shivani : 7986516467

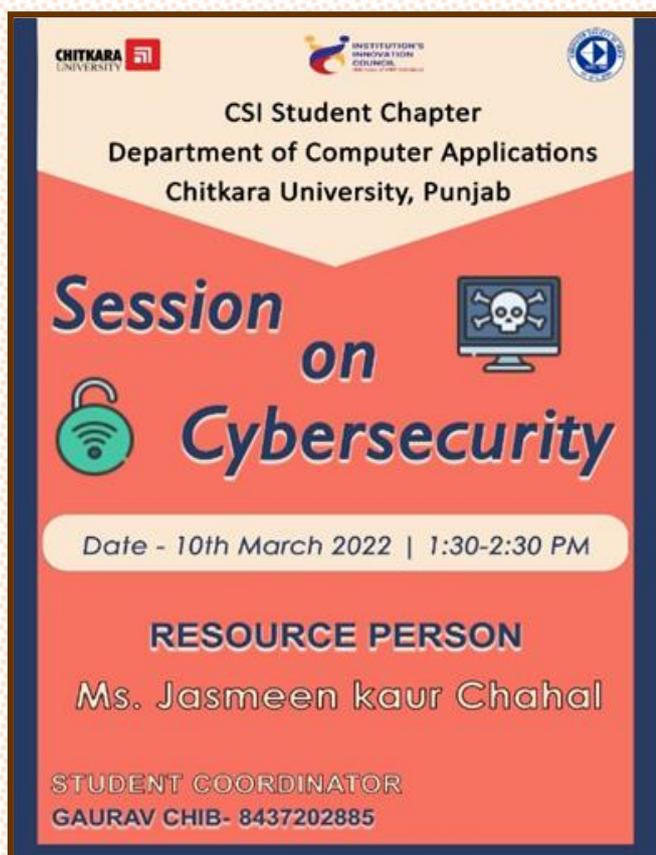
Organized By
CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab



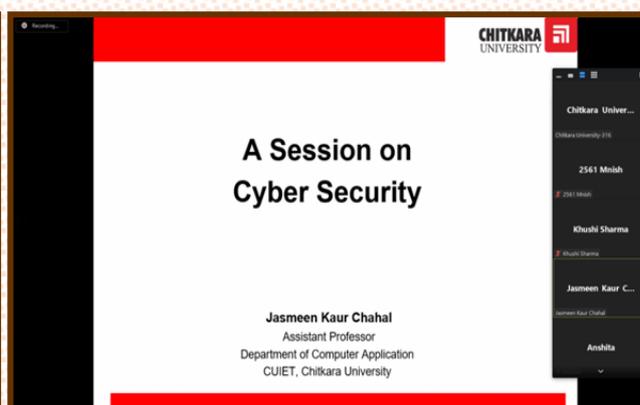
SESSION ON CYBER SECURITY

MARCH 10, 2022

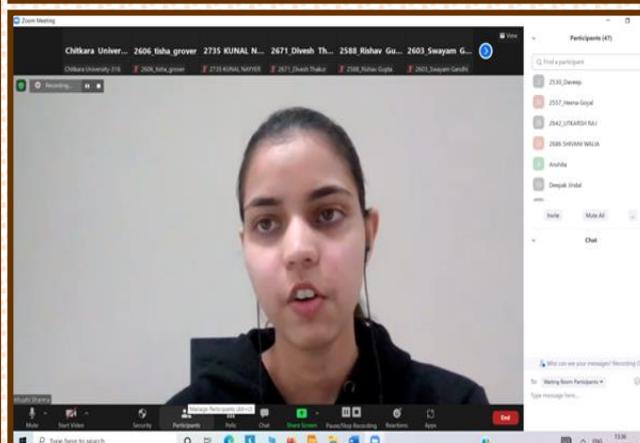
Cyber Security is in high demand these days and is the need of the hour. This webinar was proposed with an objective to help the students to learn the important concepts such as cyber security basics, ethical hacking and various cyber security attacks. The event was organised on March 10, 2022 for the students. Ninety five students attended the session and they enjoyed the event thoroughly. The resource person covered various aspects of cyber security including prevention of cyber espionage, protection against cyber-crimes; protect data from being exposed through hacking. Students were very keen in attending such kind of informative sessions in the future also.



The poster features the logos of Chitkara University and the CSI Student Chapter. The text reads: 'CSI Student Chapter, Department of Computer Applications, Chitkara University, Punjab'. The main title is 'Session on Cybersecurity' with a skull and crossbones icon. The date and time are 'Date - 10th March 2022 | 1:30-2:30 PM'. The resource person is 'Ms. Jasmeen kaur Chahal'. The student coordinator is 'GAURAV CHIB- 8437202885'.



The slide displays the title 'A Session on Cyber Security' and the presenter's name 'Jasmeen Kaur Chahal, Assistant Professor, Department of Computer Application, CUIET, Chitkara University'. A sidebar on the right shows a list of participants including '2561 Minish', 'Khushi Sharma', 'Jasmeen Kaur C...', and 'Anshita'.



The screenshot shows a video call in progress with a participant in the foreground. The top of the window shows the meeting title 'Chitkara Univer...' and a list of participants. A chat window is visible on the right side.

TECHGYANAM

MARCH 12, 2022

CSI Student Chapter (Department of Computer Applications) organized TechGyanam – “An Industry Talk on Big Data Analytics”. The resource person of the event was Mr. Chirag Jain (Associate Consultant, Virtusa). Mr. Jain is also an alumnus of Department of Computer Applications, Chitkara University, Punjab. He explained students that how useful information is extracted from big chunks of data and discussed the skills required for the job role and how Java is helpful in data analytics. He also discussed data structures, EMA system, and the difference between data mining and big data and encouraged the students to pursue a career in this field. The students learned and gained a lot from this session and were inspired by the alumnus, Mr. Jain.



CHITKARA UNIVERSITY INSTITUTION'S INNOVATION COUNCIL (Ministry of AICTE, Government of India)

TECHGYANAM

An Industrial Talk on Big Data Analytics

CHIRAG JAIN

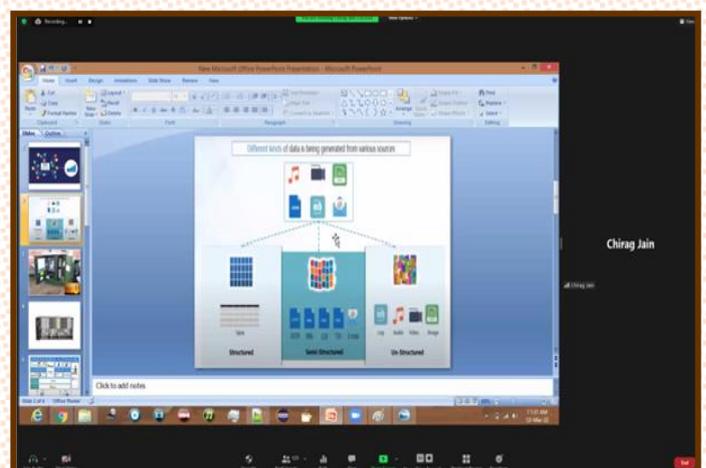
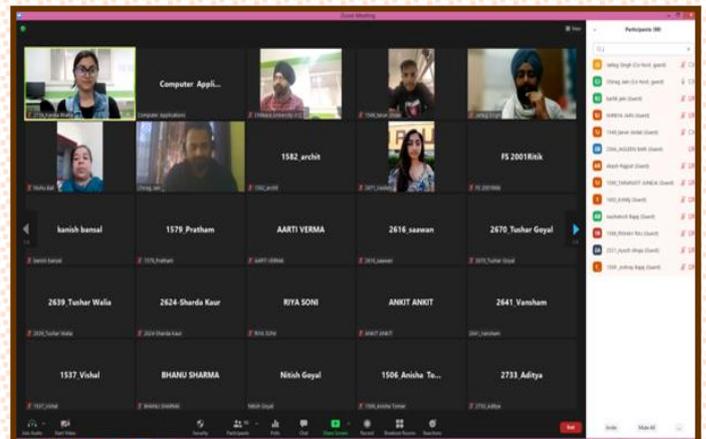
Associate Consultant
VIRTUSA

DATE
12th March 2022

TIME
11:00 AM to 12:00 PM

STUDENT COORDINATOR
GAURAV CHIB-8437208855

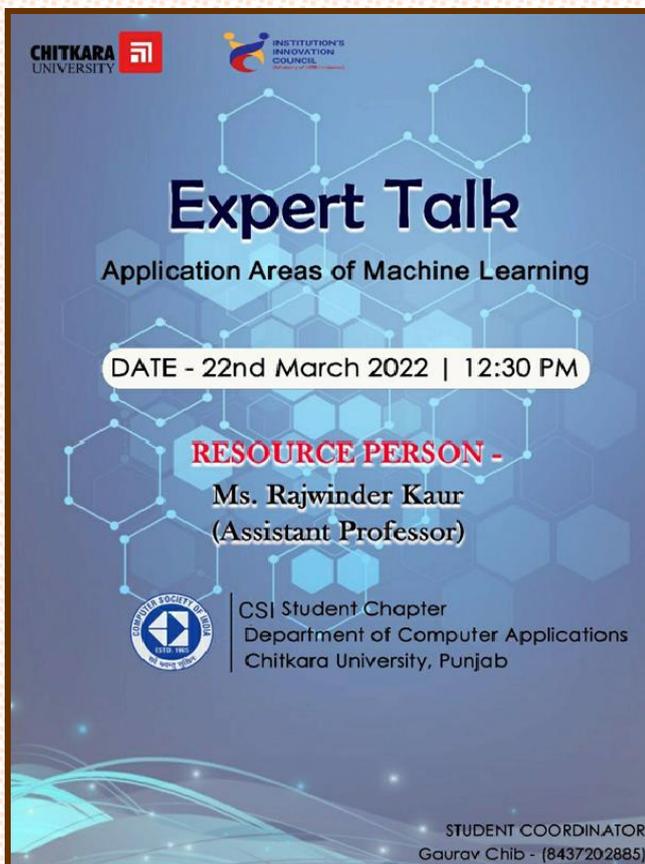
Organized by
CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab



APPLICATION AREAS OF MACHINE LEARNING

MARCH 22, 2022

CSI Student Chapter (Department of Computer Applications) organized a session on “Application Areas of Machine Learning” in virtual mode. The session was conducted by Ms. Rajwinder Kaur (Asst. Professor, Department of Computer Applications, Chitkara University, Punjab). Machine Learning is in huge demand as it gives enterprises a view of trends in customer behaviour and business operational patterns, as well as supports the development of new products. Many of today's leading companies such as Facebook, Google and Uber make Machine Learning a central part of their operations. Resource person provided basic understanding of Machine Learning and explained that it is a branch of computer science that focuses on developing algorithms which can “learn” from or adapt to the data and make predictions. Participants attended the talk with keen interest and cleared their doubts.



CHITKARA UNIVERSITY INSTITUTIONS' INNOVATION COUNCIL

Expert Talk

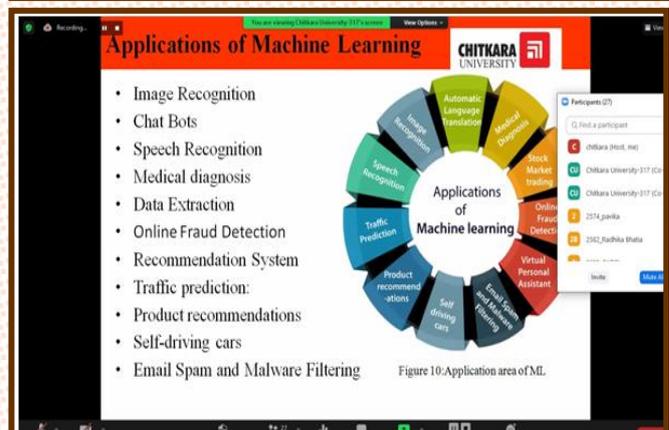
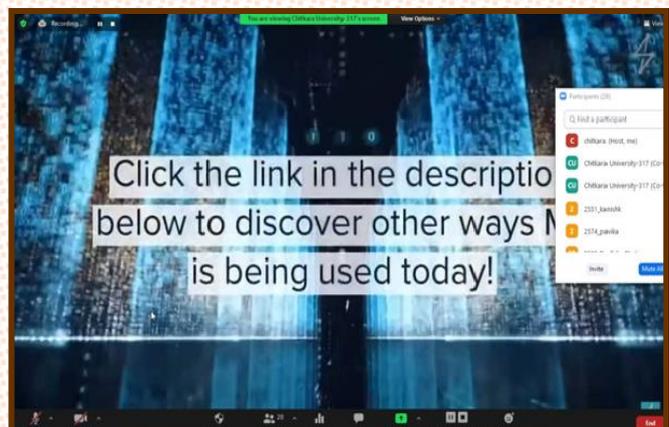
Application Areas of Machine Learning

DATE - 22nd March 2022 | 12:30 PM

RESOURCE PERSON -
Ms. Rajwinder Kaur
(Assistant Professor)

CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

STUDENT COORDINATOR
Gaurav Chib - (8437202885)



Applications of Machine Learning

- Image Recognition
- Chat Bots
- Speech Recognition
- Medical diagnosis
- Data Extraction
- Online Fraud Detection
- Recommendation System
- Traffic prediction:
- Product recommendations
- Self-driving cars
- Email Spam and Malware Filtering

Figure 10: Application area of ML.

The slide also features a circular diagram with the text "Applications of Machine Learning" in the center. The diagram is divided into segments representing various applications: Image Recognition, Automatic Language Translation, Medical Diagnosis, Stock Market Trading, Online Fraud Detection, Virtual Personal Assistant, Chat Bots, Self-driving cars, Product Recommendations, Traffic Prediction, Speech Recognition, and Image Recognition.

WEB DEVELOPMENT USING JOOMLA

MARCH 25, 2022

CSI Student Chapter (Department of Computer Applications) organized a session on “Web Development Using Joomla” in virtual mode. The session was conducted by Mr. Amanpreet Singh (Assistant Professor, Department of Computer Applications, Chitkara University, Punjab). Mr. Singh provided the students some insights on the development of websites using Joomla CMS. He discussed various topics such as component, modules, plug-ins and templates used in the Joomla framework and how to publish a website and transfer the local data to remote location using FileZilla. The session was much appreciated by the students.

CHITKARA UNIVERSITY

INNOVATION COUNCIL

Web Development Using Joomla

Date & Time -
25th March 2022 | 1:30 PM

RESOURCE PERSON -
Mr. Amanpreet Singh
(Assistant Professor)

CSI Student Chapter
Department of Computer Applications
Chitkara University, Punjab

STUDENT COORDINATOR
Gaurav Chib - (8437202885)

Zoom Meeting

Chitkara Univer... 2646 DEVANSH

2706 bigyat M...

Web Development in Joomla

Presented By
Amanpreet Singh
Assistant Professor
Department of Computer Applications

Joomla! Downloads

Download Joomla!

Press ESC or double-click to exit full screen mode

Download Joomla! 4.0
English (UK), 4.0.0 Full Package, ZIP

Upgrade Packages
Joomla 4 - Upgrade Packages

The latest version of Joomla! is 4.0 and includes the latest and greatest features from the developers supporting Joomla. Please see the latest release announcements for more information.

Download the package you need to update your Joomla! installation from Joomla! 3.5 and above. Please read the update instructions before updating your website.

unloaded over 131,000,000 times!

SKILL ENHANCEMENT: A MASTER CLASS ON PROFESSIONAL RÉSUMÉ WRITING

FEBRUARY 14, 2022

"The best way to predict the future is to create it."

With this thought in mind, Matrix Club (Department of Computer Applications) in collaboration with IIC (Chitkara University, Punjab) organized an informative session on "Skill Enhancement: A Master class on Professional Résumé Writing" on February 14, 2022. In today's competitive market of professional jobs, a résumé is usually the base requirement for moving forward in the interview process. Preparing a résumé enables the employer you to assess your skills. A well-structured résumé clearly highlights your most relevant skills and experience to potential employers. A number of students of the department participated and learnt all the valuable techniques to build their professional résumé.

CHITKARA UNIVERSITY IIC MATRIX CLUB

Put Forth Your Better Self Through An Impressive Resume

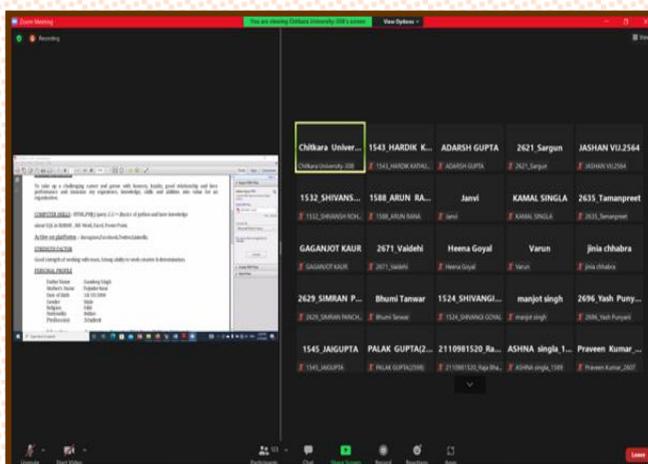
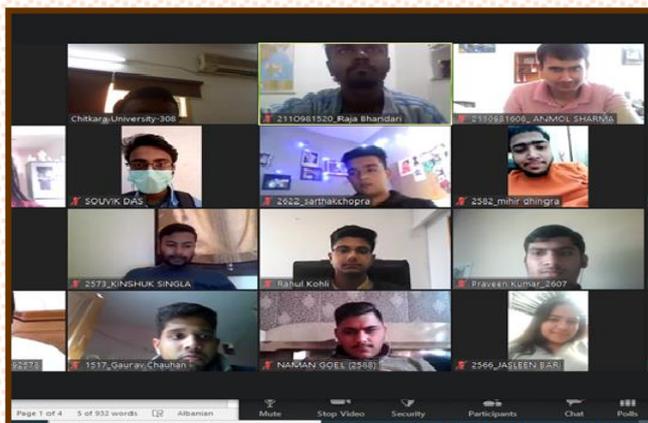
Skill Enhancement

A Masterclass on Professional Resume Writing

Organized by
Department of Computer Applications
in Collaboration with IIC,
Chitkara University

14th Of Febuary
2:30 PM
Online Mode

Expert: Mr. Vikas Bhatnagar
Associate professor
Department of Computer Applications



FROM RIGHT PORTFOLIO TO RIGHT JOBS

FEBRUARY 19, 2022

"The future belongs to those who learn more skills and combine them in creative ways."

With this thought in mind, Matrix club (Department of Computer Applications) in collaboration with IIC (Chitkara University, Punjab) organized a webinar on "From Right Portfolio to Right Jobs" which was delivered by Ms. Shivani Ahuja (BCA alumna of Chitkara University, Punjab) on February 19, 2022. She is a creative writer, english educator and also an author with BCM Educational Group, South Korea. In today's competitive market, it is very difficult to stand out as a fresh graduate. Students need to learn the skill to differentiate between their passion, their own skill set and right dream job for them. A number of students of the department participated wholeheartedly in the session and learnt all the valuable techniques to build their portfolio for the right jobs in future.

CHITKARA UNIVERSITY INSTITUTIONS' INNOVATION COUNCIL MATRIX RECOVER FUTURE GOALS

Webinar on
From Right Portfolio to Right Jobs

19 February 2022
12:00 Noon

Shivani Ahuja
(BCA alumni)
English Educator & Author
BCM Educational Group, South Korea

Organized by
Department of Computer Applications
in Collaboration with IIC,
Chitkara University

Zoom Meeting
Shivani Ahuja Chitkara Univer... LOVISH MAKHEJA 2732_MUKUND... 2549 kanal

Recording

4. Start NETWORKING

Participants (133)

Zoom Meeting
Shivani Ahuja Chitkara Univer... MADHAV PANC... LOVISH MAKHEJA 2732_MUKUND...

Recording

2. Find the MIDDLE GROUND

Your passion Your major
Your dream job

Participants (133)

AI AND ROBOTICS: LATEST TRENDS IN TECHNOLOGIES

FEBRUARY 21, 2022

"An year spent in artificial intelligence is enough to make one believe in God"

With this thought in mind, Matrix club (Department of Computer Applications) in collaboration with IIC (Chitkara University, Punjab) organized an expert talk on "AI and Robotics: Latest Trends in Technologies" which was delivered by Mr. Amit Kumar (Co-founder, Addverb Technologies) on February 21, 2022. Artificial Intelligence (AI) and Robotics are a powerful combination for automating tasks inside and outside of the factory setting. In recent years, AI has become a common presence in robotic solutions, introducing flexibility and learning capabilities in previously rigid applications. A number of students of the department participated diligently in the session and learnt all the latest trends in the field by raising many meaningful queries to the speaker.

CHITKARA UNIVERSITY
INSTITUTION'S INNOVATION COUNCIL
MATRIX
ADDVERB TECHNOLOGIES

Expert Talk

AI and Robotics:
Latest Trends in Technologies

Date : 21 February 2022 | 1:30 PM

Mr. Amit Kumar
Co-Founder
Addverb Technologies Pvt Ltd

Organized by
Department of Computer Applications
in Collaboration with IIC,
Chitkara University

Latest Trends

- The efficient workforce
- Better Interaction with Robots
- Trend Analysis for cybersecurity
- METAVERSE
- AI CODING
- AUTONOMOUS VEHICLES

Participants (175)

Participants (154)

ONLINE GROUP DISCUSSION

FEBRUARY 26, 2022

“The aim of argument or of discussion should not be victory but progress”

Matrix club (Department of Computer Applications) organized online group discussion for BCA students on February 26, 2022 to involve the students to share their ideas, views, and activities. Students in the group discussion were connected with one basic idea. Based on that idea, everyone in the group represented his/her perspective. The topic covered in the event was “Jobs v/s higher study”. One of the biggest dilemmas that students face after completing their graduation is whether they should pursue their dream job or to go for higher studies. Most of the students opt for job options because they look for an opportunity to earn and become independent, while some want to gain more knowledge, and in turn go for higher studies. The students of the department were really excited to share their views and opinions on the topic during the online discussion.



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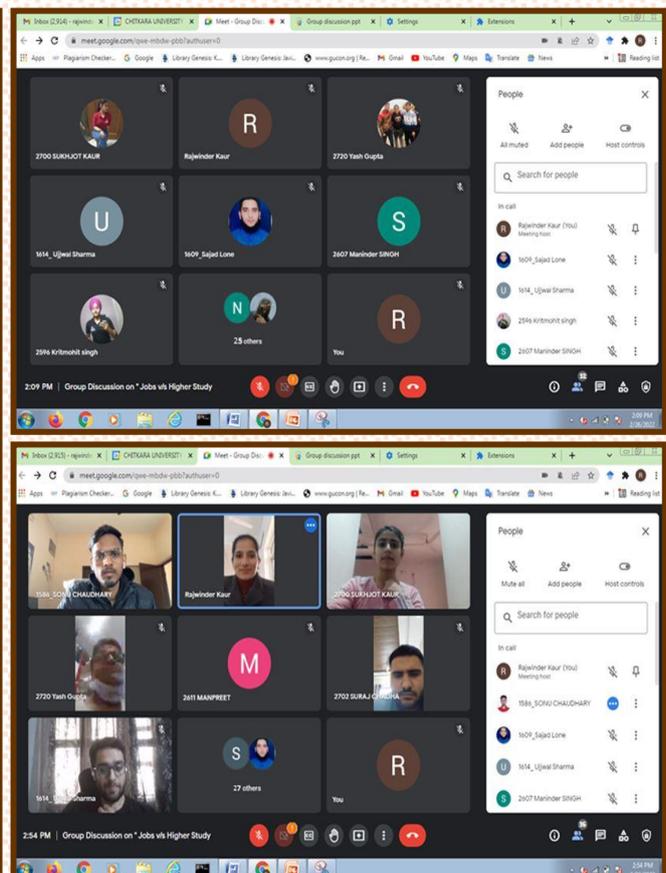
MATRIX
RECOVER YOURSELF

Online Group Discussion

Topic : Jobs v/s Higher Studies

Date : 26th Feb, 2022 Time : 2:00 PM

Organized By
Matrix Club under the Aegis of
Department of Computer Applications
Chitkara University, Punjab



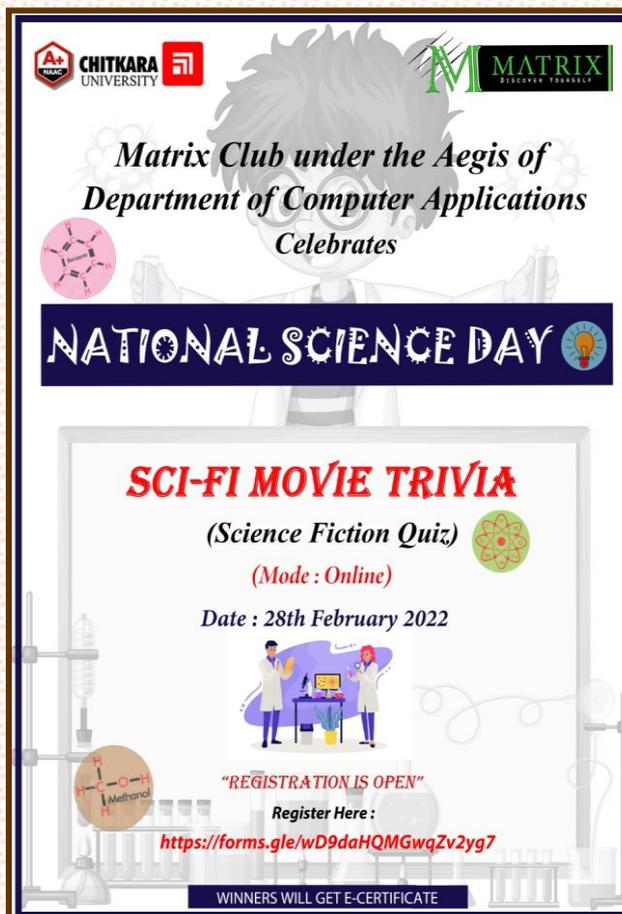
NATIONAL SCIENCE DAY: SCI-FI MOVIE TRIVIA

FEBRUARY 28, 2022

"Science, like life, feeds on its decay. New facts burst old rules; then newly divined conceptions bind old and new together into a reconciling law."

National Science Day is celebrated to spread a message about the importance of science used in the daily life of the people. It is celebrated to discuss all the issues and implement new technologies for the development in the field of science and to provide an opportunity to scientific minded citizens in India.

With this notion in mind, Matrix Club (Department of Computer Applications) in collaboration with IIC, Chitkara University, Punjab celebrated National Science Day on February 28, 2022 wherein a Quiz competition based on Science Fiction movies was held to raise awareness among the students regarding National Science Day.



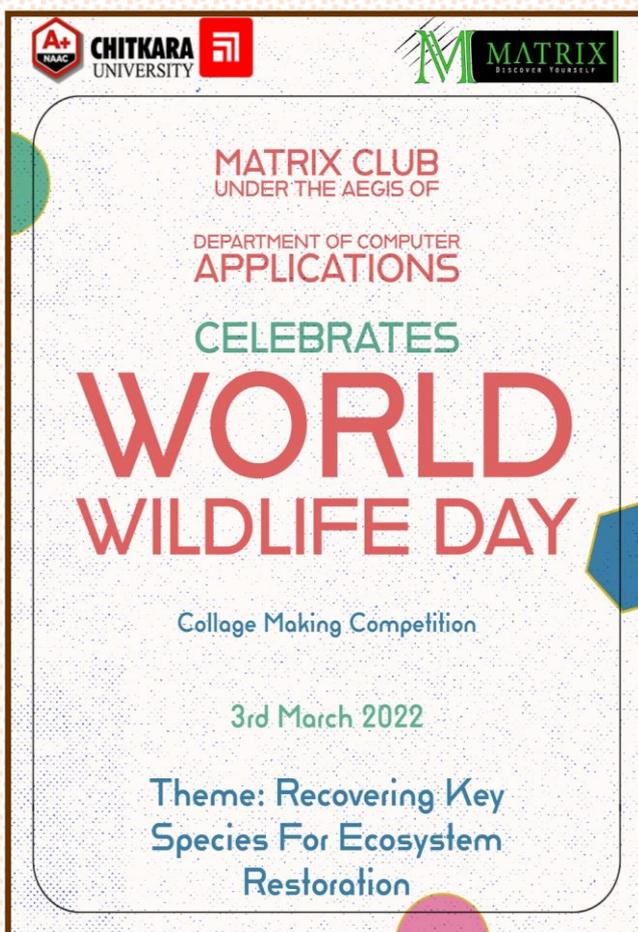
The poster features the logos of Chitkara University and Matrix Club. The text reads: "Matrix Club under the Aegis of Department of Computer Applications Celebrates NATIONAL SCIENCE DAY". Below this, it says "SCI-FI MOVIE TRIVIA (Science Fiction Quiz) (Mode : Online) Date : 28th February 2022". There is an illustration of two scientists in a lab. The text "REGISTRATION IS OPEN" is followed by "Register Here : <https://forms.gle/wD9daHQMgwqZv2yg7>". At the bottom, it says "WINNERS WILL GET E-CERTIFICATE".



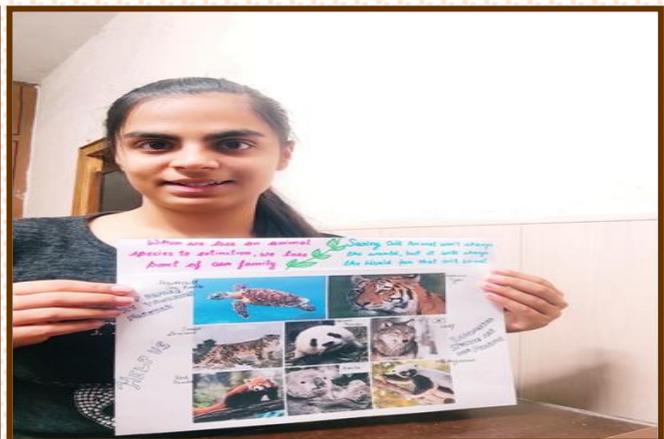
COLLAGE MAKING COMPETITION – WORLD WILDLIFE DAY MARCH 3, 2022

Matrix club (Department of Computer Applications) organized a collage making competition on the occasion of World Wildlife Day on March 3, 2022 wherein a number of students of BCA participated. The theme of the competition was protecting key flora and fauna for ecosystem restoration. The Wild Life (Protection) Act, 1972 is very important because it saves our native marine life, plants, and other land-based wildlife from going extinct. Once gone, they're gone forever.

A number of students showed their concern for vulnerable and endangered species such as the Royal Bengal Tiger, Red Panda and Himalayan Yak. Beautiful and creative collages were submitted by the students.



The poster features logos for Chitkara University and Matrix Club. The text reads: 'MATRIX CLUB UNDER THE AEGIS OF DEPARTMENT OF COMPUTER APPLICATIONS CELEBRATES WORLD WILDLIFE DAY Collage Making Competition 3rd March 2022 Theme: Recovering Key Species For Ecosystem Restoration'. The background is white with a light blue pattern and colorful geometric shapes.



CREATIVE EYE

MARCH 4, 2022

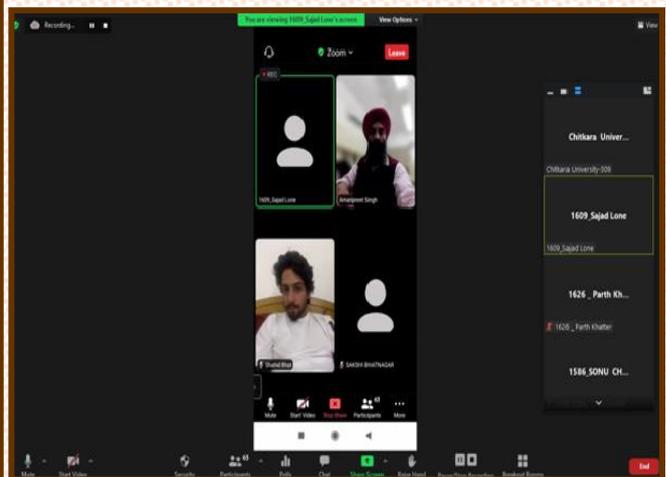
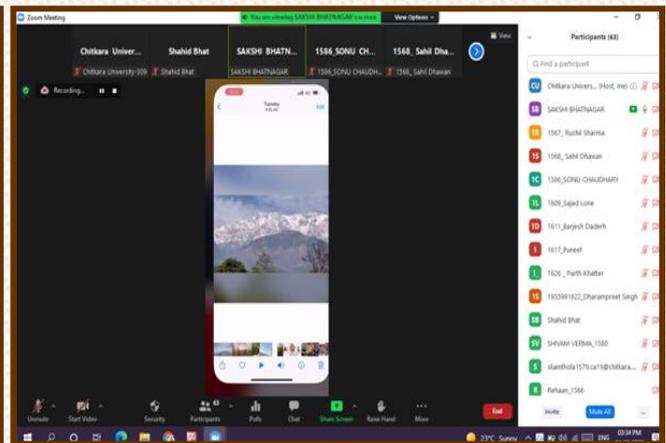
“Your deepest roots are in nature. No matter who you are, where you live, or what kind of life you lead, you remain irrevocably linked with the rest of creation”

The global COVID-19 crisis has been a wakeup call for the human race. As we got locked at home, Mother Nature peacefully reclaimed its space teaching us lessons that were long overdue. With travel bans being imposed in several parts of the world, there had been a drastic drop in the levels of air pollution. It's time to build back better for people and planet; it's time for nature.

With this notion in mind, Matrix Club (Department of Computer Applications) organized an event “Creative Eye” wherein video making competition was held on March 4, 2022 wherein a number of students participated from the department and showcased their skills in video making on the theme “NATURE”.



The poster features the logos of Chitkara University Punjab and Matrix Club. The text reads: "Matrix Club Under the Aegis of Department Of Computer Applications Organizes Creative Eye Video Making Competition Theme : Nature | 4th March, 2022 |". The background is a dark blue with a film strip and a camera silhouette.

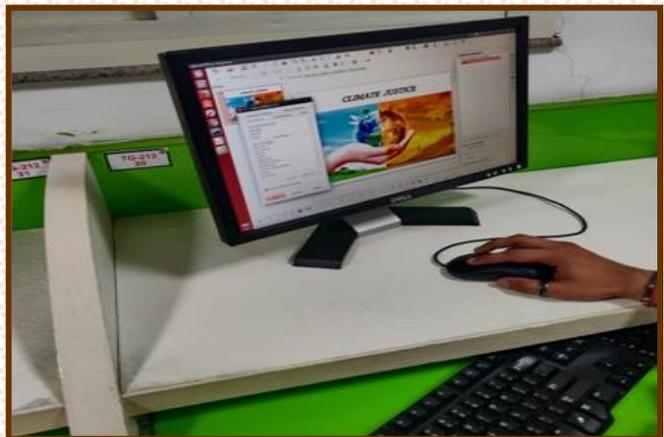


MULTIMEDIA PRESENTATION ON CLIMATE JUSTICE

MARCH 10, 2022

“All human beings are born free and equal in dignity and rights. Yet, when it comes to the effects of climate change, there has been nothing but chronic injustice and the corrosion of human rights.”

With this notion in mind, Matrix Club (Department of Computer Applications) organized multimedia presentation on Climate Justice on March 10, 2022 wherein a number of students participated from the department. The students prepared the presentations and the event got a tremendous response from students and was thoroughly enjoyed by everyone. Manish (BCA-6), Ishmita Reehal (BCA-6), and Pulkit Sexana (BCA-6) bagged the first, second, and third position respectively.



AGNOSTIC CLICK

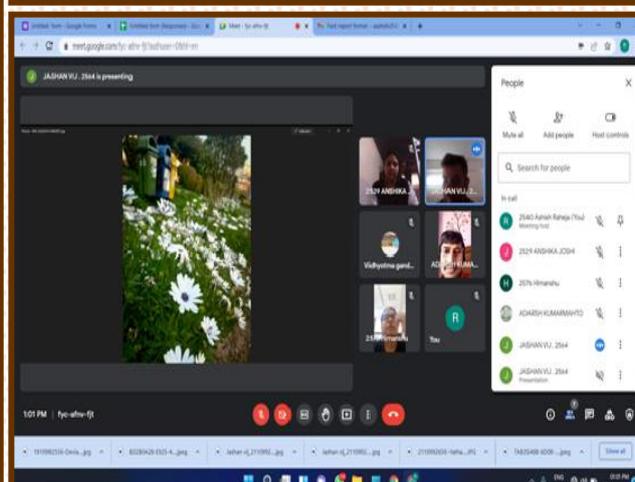
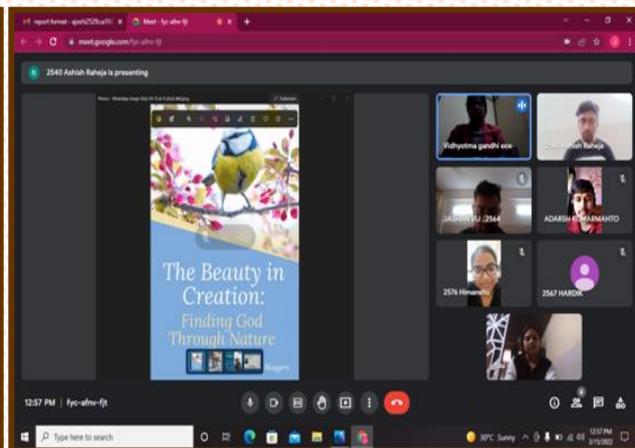
MARCH 15, 2022

"By discovering nature, you discover yourself". —Maxime Lagacé

Matrix Club (Department of Computer Applications) organized a cultural activity in virtual mode. The theme was: "Creation is the canvas on which God has painted his character". Students were invited to register to show what they feel about God and his creation "Nature". Students had to send their pics in the first round following which ten students were shortlisted for second round wherein, they explained their perception of the image they clicked/ sent. In a panel format, students listened to the each one's perception of nature's beauty. It was really an interesting session. Himanshu (BCA-6), Adarsh Mahatoo (BCA-6) and Jashan Vij (BCA-2) bagged the first, second, and third position respectively.



The poster features the logos of Chitkara University and Matrix Club. The text reads: "Matrix Club under the Aegis of Department of Computer Applications Organizes Agnostic Clicks". Below this is a stylized eye icon and the theme: "Theme: Almighty or it's Creation [Nature]". It includes the registration link: "Registration is open Registration Link-- <https://forms.gle/A1qD3t4MHZfk6x8bA>". At the bottom, it states "Winners will get the e-Certificate" and provides the date and time: "Date: 15th March, 2022 Time: 12:00 PM". The background image shows a person in a field holding a camera up to their eye.



THE BOLLYWOOD QUIZ

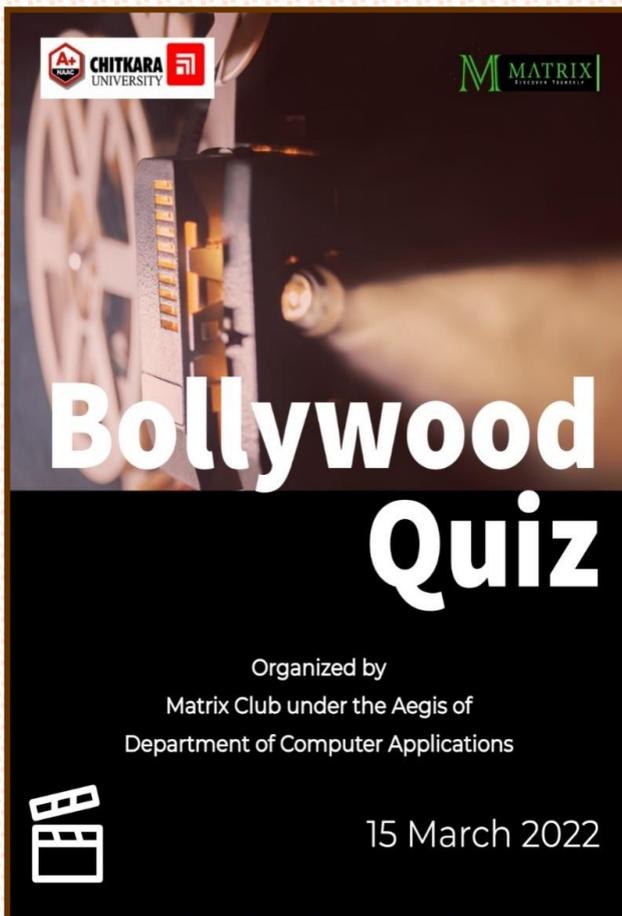
MARCH 15, 2022

"To have fun is to love life and to love life is to live in contentment"

People rarely succeed unless they have fun in what they are doing" – Dale Carnegie.

You need to have fun sometimes and break free from your monotony, and sometimes boring, routine and find a getaway for a short while just to refresh your soul. A study into the energising effect of humour found that people who were exposed to humour were more persistent and better able to complete tasks. People with a positive mind-set perform better in the face of a challenge.

With this notion in mind, Matrix club (Department of Computer Application) organized "The Bollywood Quiz" to offer a refreshing break to students from their routine tasks with a cultural fun event.



CHITKARA UNIVERSITY

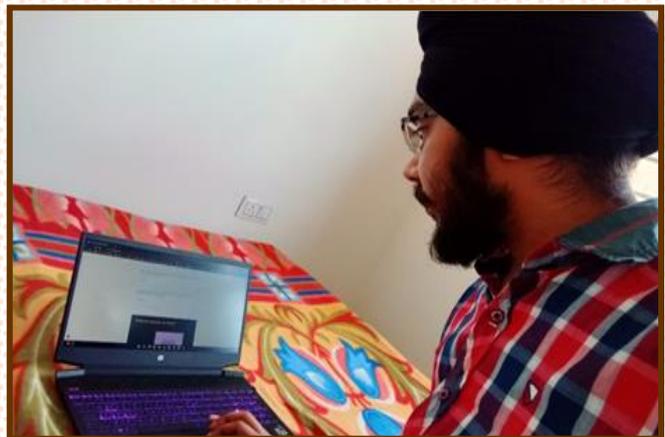
MATRIX CLUB

Bollywood Quiz

Organized by
Matrix Club under the Aegis of
Department of Computer Applications

CRA

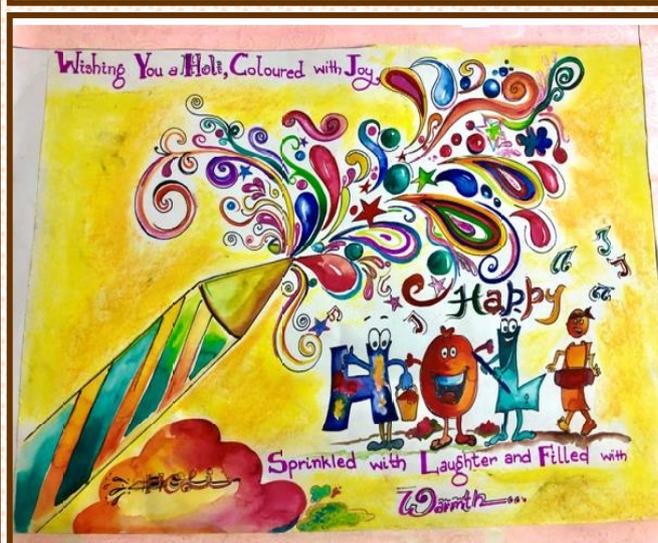
15 March 2022



HOLI CELEBRATIONS

MARCH 17, 2022

Matrix club (Department of Computer Applications) organized Rangoli and poster making competition on the occasion of Holi on March 17, 2022 wherein forty eight students participated from the department. The students were very excited to make colourful posters and rangoli pictures to celebrate this festival of colours, fun and joy. All students participated with zeal and showed their hidden talent through this competition. This event got a tremendous response from students and was thoroughly enjoyed by everyone.



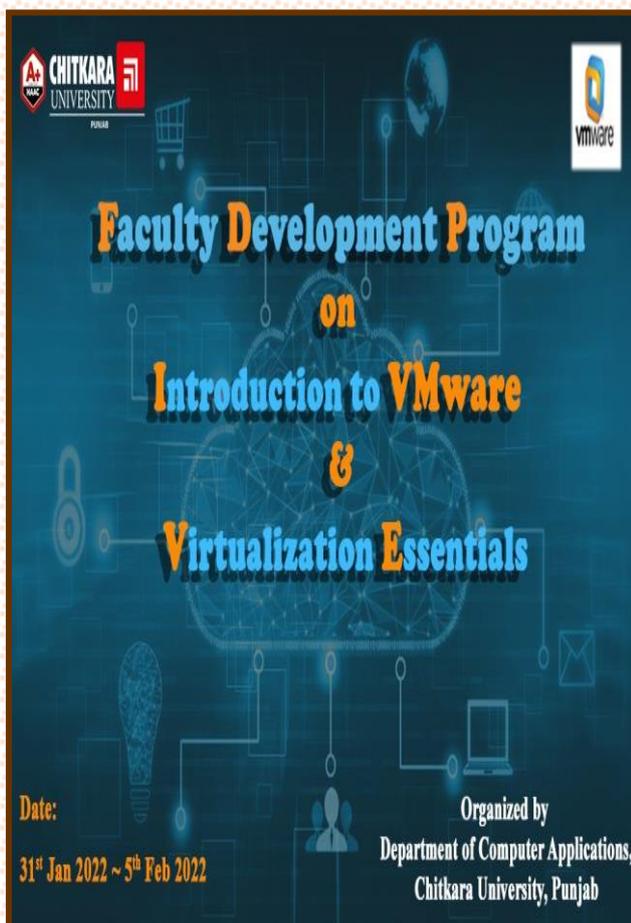
FDP ON INTRODUCTION TO VMWARE AND VIRTUALIZATION ESSENTIALS

JANUARY 31-FEBRUARY 5, 2022

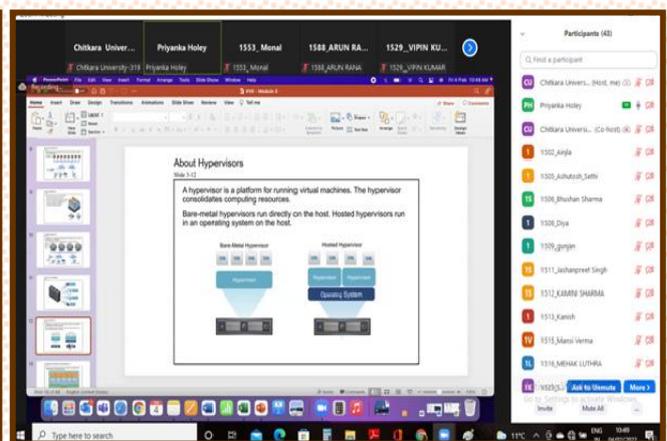
"Sometimes virtualization and turn into hallucinations and delusions when we don't accept the reality."

Virtualization can increase IT agility, flexibility and scalability while creating significant cost savings. Greater workload mobility, increased performance and availability of resources, automated operations-they're all benefits of virtualization that makes IT simpler to manage and less costly to own and operate.

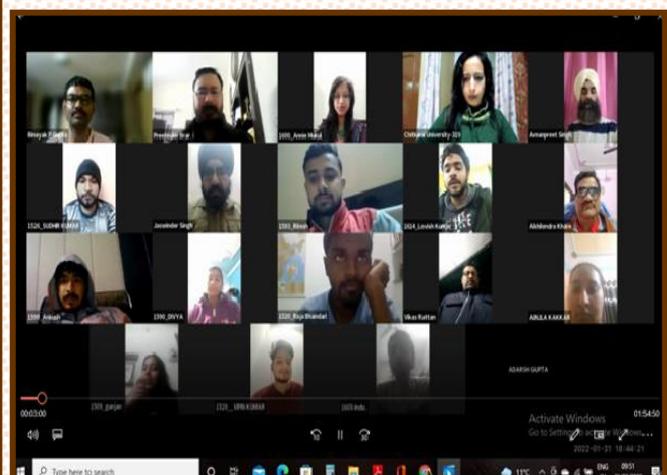
With this notion in the mind, the Department of Computer Applications, Chitkara University, Punjab organized a faculty development program in collaboration with VMware Software India from January 31, 2022 to February 5, 2022 wherein all the faculty members of the department learnt the techniques and technology of virtualization during hands-on sessions. Ms. Priyanka Holey (Technical Project Manager, VMware Software India Pvt. Ltd.) was the expert for the sessions.



The poster features the Chitkara University logo at the top left and the VMware logo at the top right. The main title is "Faculty Development Program on Introduction to VMware & Virtualization Essentials". At the bottom, it states "Date: 31st Jan 2022 ~ 5th Feb 2022" and "Organized by Department of Computer Applications, Chitkara University, Punjab". The background is a dark blue grid with various icons representing technology and education.



The screenshot shows a presentation slide titled "About Hypervisors". The slide content includes: "A hypervisor is a platform for running virtual machines. The hypervisor consolidates computing resources. Bare-metal hypervisors run directly on the host. Hosted hypervisors run in an operating system on the host." Below the text is a diagram showing "Bare Metal Hypervisor" and "Hosted Hypervisor" both leading to "Operating System". The background of the slide is a light blue grid.



The screenshot shows a Zoom meeting grid with 15 participants. The participants' names are visible in the top row: Priyanka Holey, 1553_Monali, 1558_ARUN RA..., 1529_VIPIN KU..., and 1522_VIPIN KUMAR. The bottom row shows names like 1530_gagan, 1531_Jashpreet Singh, 1532_KARAN SHARMA, 1533_Kamish, 1535_Mansi Verma, 1536_MENAK LUTHRA, and 1537S2. The Zoom interface includes a search bar at the bottom and a system tray with the date 2022-01-31 11:48:21.

INTERNATIONAL WOMEN'S DAY

MARCH 8, 2022

"Women are the real architects of society"

International Women's Day is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity. International Women's Day is the first big collective effort to celebrate womanhood and the success of women in different fields.

With this belief in mind, Department of Computer Applications (Chitkara University Punjab) celebrated International Women's Day on March 8, 2022 based on the theme of "Gender equality today for a sustainable tomorrow" wherein female faculty members of the department enjoyed the day by participating in cultural activities. The Day was commemorated wearing shades of purple or pink as a display of solidarity, a community of equality and inclusion.



EMERGING TECHNOLOGIES IN THE PARADIGM OF CLOUD COMPUTING

MARCH 9, 2022

"Cloud is about how you do computing, not where you do computing."

–Paul Maritz, CEO, VMware

Technology has come a long way in transforming the industry. Cloud computing is one major revolution in the process that has completely changed the way business functions. Virtualization is a key foundation for the cloud computing infrastructure we use every day.

With this notion in mind, Department of Computer Applications, Chitkara University, Punjab organized an expert session in collaboration with VMware Software India wherein the students of MCA were exposed to the latest emerging technologies in the field of Cloud computing. The session was conducted by Mr. Abhijit Roy (Senior Partner Manager, VMware Software India).

CHITKARA UNIVERSITY

INSTITUTION'S INNOVATION COUNCIL

Department of Computer Applications Organizes

Expert Talk on

Emerging Technologies in the Paradigm of Cloud Computing

Speaker

ABHIJIT ROY

Senior Partner Manager- Retail

vmware

09th March 2022

Centre for Emerging Technologies in IOT Data Analytics and Cloud Computing



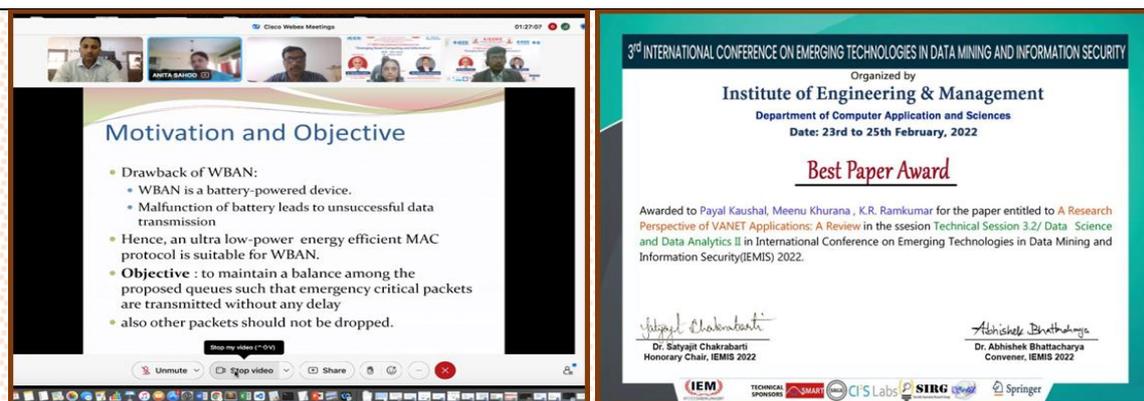
FACULTY ACHIEVEMENTS

Mr. Amanpreet Singh, Dr. Jaiteg Singh, Dr. Preetinder Singh Brar, Dr. Deepika Chaudhary, Ms. Vandana, Mr. Jaswinder Singh, Ms. Nishu Bali filed a patent titled "Keyboard with sliding mouse pad" on January 10, 2022 vide application number 356402-001.

Dr. Rajesh Kumar Kaushal and Dr. Naveen Kumar filed a patent titled "Binder Clip with Shutter Assembly for Electronic Devices" on February 26, 2022 vide application number 202211010433.

Dr. Deepika Chaudhary, Dr. Jaiteg Singh, Ms. Nishu Bali, Ms. Neelam Dahiya, Mr. Ashwani Singh Filed a patent titled "LED backed Ear cleaning tool with replaceable bud extension" Patent number 359409-001.

Ms. Rajwinder Kaur, Dr. Jaswinder Kaur Sandhu, Ms. Meena Pundir, Ms. Puninder Kaur, Ms. Anjali, Mr. Prateek Srivastava filed a patent titled "MultiUtility Nail Cleaner Handstick" on January 10, 2022 vide application number 359424-001.



Dr. Rajesh Kaushal and Dr. Naveen Kumar chaired a session at 4th IEEE International conference titled "Emerging Smart Computing and Informatics" on March 11, 2022 at Pune.

Ms. Payal Kaushal received the best paper award in 3rd International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2022) on February 23-25, 2022.

RESEARCH & PUBLICATION

Singh, J., Goyal, G., Ali, F., Shah, B., & Pack, S. (2022). Estimating fuel-efficient air plane trajectories using machine learning. *CMC-Computers, Materials & Continua*, 70(3), 6189-6204.

Brar, P. S., Shah, B., Singh, J., Ali, F., & Kwak, D. (2022). Using Modified Technology Acceptance Model to Evaluate the Adoption of a Proposed IoT-Based Indoor Disaster Management Software Tool by Rescue Workers. *Sensors*, 22(5), 1866.

Singh, S., & Singh, J. (2022). A Survey on Master Data Management Techniques for Business Perspective. In *Cyber Intelligence and Information Retrieval* (pp. 609-617). Springer, Singapore.

Singh, J., & Gill, R. (2022). Multimodal Emotion Recognition System Using Machine Learning and Psychological Signals: A Review. *Soft Computing: Theories and Applications*, 657-666.

Singh, S., & Singh, J. (2022). Map Matching Algorithm: Empirical Review Based on Indian OpenStreetMap Road Network Data. *The International Arab Journal of Information Technology*, 19(2), 143-149.

Ali, F., Khan, S., Abbas, A. W., Shah, B., Hussain, T., Song, D., & Singh, J. (2022). A Two-Tier Framework Based on GoogLeNet and YOLOv3 Models for Tumor Detection in MRI. *Computers, Materials and Continua*, 72, 73.

Gandhi, V., & Singh, J. (2022). The Internet of Things and Advanced Applications in Healthcare. In *Artificial Intelligence in Industrial Applications* (pp. 91-110). Springer.

Mittal, R., Kumar, P., Mittal, A., & Malik, V. (2021). Developing an Evaluation Model for Forecasting of Real Estate Prices. In *Applications of Artificial Intelligence and Machine Learning* (pp. 619-627). Springer, Singapore

Rattan, V., Panwar, P., Mittal, R., Singh, J., & Malik, V. (2021, August). Forecasting the Budget Required for Software under Development. In *2021 8th International Conference on Signal Processing and Integrated Networks (SPIN)* (pp. 36-40). IEEE.

Chahal, J. K., Gandhi, V., Kaushal, P., Ramkumar, K. R., Kaur, A., & Mittal, S. (2021). KAS-IDS: A Machine Learning based Intrusion Detection System. In *2021 6th International Conference on Signal Processing, Computing and Control (ISPCC)* (pp. 90-95). IEEE.

Kaur, P., Sharma, A., Chahal, J.K., Sharma, T. and Sharma, V.K., 2021, November. Analysis on Credit Card Fraud Detection and Prevention using Data Mining and Machine Learning Techniques. In *2021 International Conference on Computational Intelligence and Computing Applications (ICCICA)* (pp. 1-4). IEEE.

Bali, N. and Singla, A., 2021, September. An Analysis of Recurrent Neural Network variants to predict yield of Wheat crop in Punjab region. In *2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO)* (pp. 1-4). IEEE.

Dahiya, N., Gupta, S. and Singh, S., 2021, November. Quantitative Analysis of Different Land-use and Land-cover Classifiers using Hyperspectral Dataset. In *2021 International Conference on Image Information Processing (ICIIP)* (Vol. 6, pp. 256-260). IEEE.

Bali, N., & Singla, A. (2022). ANN-Based Wheat Crop Yield Prediction Technique for Punjab Region. In *Emerging Research in Computing, Information, Communication and Applications* (pp. 207-217). Springer, Singapore.

STUDENT ACHIEVEMENTS

Name	Class	Event	Organiser	Date	Positions
Sukhjot Kaur	BCA 6	Youth Parliament Regional level	Chitkara University, Punjab and Manav Rachna University, Delhi and NSS	January 14, 2022	1st position in the northern region
Bhumi Tanwar	BCA 2	National Voters Day	NSS, Chitkara University, Punjab.	January 25, 2022	1st Position
Vaidehi	BCA 2	National Voters Day	NSS, Chitkara University, Punjab.	January 25, 2022	2nd Position
Jasleen Kaur	BCA 2	National Voters Day	NSS, Chitkara University, Punjab.	January 25, 2022	3rd position
Bhumi Tanwar	BCA 2	International women's Day	NSS, Chitkara University, Punjab.	March 8, 2022	2nd Position
					
Navdeep Singh	BCA 2	Punjab State Powerlifting	Punjab Power Lifting Association	March 26, 2022	silver medal in Punjab State Power lifting Championship
Bhumi Tanwar	BCA 2	Consumer Rights Day	NSS, Chitkara University, Punjab .	March 15, 2022	1st Position
Vaidehi		International peace day	NSS, Chitkara University, Punjab	March 21, 2022	2nd Position
Raegan Albuquerque	BCA 4	Chitkara University HP.	North Zone University	December 30, 2021 to January 1, 2022	Gold medal
Raegan Albuquerque	BCA 4	Chandigarh University	All India University	March 15-19, 2022	Gold medal

PLACEMENTS - MCA

SNo	Roll No	Name	Company
1	2010981502	Abhishek Thakur	Open Access Technology India Pvt. Ltd., Mohali, Punjab.
2	2010981504	Akash Arora	Bebo Technologies Pvt. Ltd., Chandigarh.
3	2010981505	Ankit	Testing Xperts Pvt. Ltd., Chandigarh.
4	2010981506	Argha Das	Bebo Technologies Pvt. Ltd., Chandigarh.
5	2010981507	Ashutosh Sharma	Edifecs Technologies Pvt. Ltd, Mohali, Punjab.
6	2010981509	Drishti Jain	Moback Technologies India Private Ltd., Bangalore.
7	2010981511	khushbu	Bebo Technologies Pvt. Ltd., Chandigarh.
8	2010981513	Nikita Sharma	Niva Bhupa Health Insurance Company Ltd., Gurugram.
9	2010981515	Priyanka Sharma	eNest Technologies Pvt. Ltd., Mohali, Punjab.
10	2010981516	Puneet Sharma	Open Access Technology India Pvt. Ltd., Mohali, Punjab.
11	2010981517	Rahul Baghla	Sears IT and Management Services Pvt. Ltd., Pune.
12	2010981518	Rajat Sabharwal	Advance Solutions, Jalandhar, Punjab.
13	2010981519	Ravi Pal	Antier Solutions Pvt. Ltd., Mohali, Punjab.
14	2010981525	Savidhi Mittal	Infosys, Bangalore.
15	2010981530	Tanpreet	Bebo Technologies Pvt. Ltd, Chandigarh.
16	2010981533	Taranjit Kaur	Testing Xperts Pvt. Ltd., Chandigarh.
17	2010981536	Vishal	Bebo Technologies Pvt. Ltd., Chandigarh.
18	2010981542	Shubham	Cognizant Technology Solutions India Pvt Ltd., Chennai.
19	2010981543	Phalesh	Applify Tech Pvt Ltd, Mohali.
20	2010981547	Himanshu Gupta	Spice Money Limited, Noida.
21	2010981548	Aviral Pratap Singh	CloudEQ Software India Pvt. Ltd., Mohali, Punjab.
22	2010981549	Aayush Punia	Niva Bhupa Health Insurance Company Ltd., Gurugram.
23	2010981550	Vinay Sharma	School Pad Technologies Pvt Ltd., Mohali, Punjab.
24	2010981552	Aishwarya Raj	Sears IT and Management Services Pvt. Ltd., Pune.

PLACEMENTS - BCA

SNo	Roll Number	Name	Company
1	1910992506	Abhinav Kukrerja	Antier Solution Pvt Ltd., Mohali, Punjab.
2	1910992517	Amit Kumar	Antier Solution Pvt Ltd., Mohali, Punjab .
3	1910992537	Arunjot Singh	Antier Solution Pvt Ltd., Mohali, Punjab.
4	1910992538	Aryan Negi	Spectraforce Technology Pvt. Ltd., Pune.
5	1910992543	Avinash Verma	Wipro Limited, Bangalore.
6	1910992544	Ayushi Sharma	Antier Solution Pvt Ltd., Mohali, Punjab.
7	1910992555	Chirag Mehrotra	Antier Solution Pvt Ltd., Mohali, Punjab.
8	1910992559	Divpreet Kaur	Antier Solution Pvt Ltd., Mohali, Punjab.
9	1910992560	Eashan Verma	Eminence Internet Technology Pvt. Ltd., Mohali, Punjab.
10	1910992565	Gourav Jindal	Wipro Ltd., Bangalore
11	1910992569	Harnoor Singh	Logical Entity IT Services Pvt. Ltd., Mohali, Punjab.
12	1910992570	Harnoor Kaur	AU Small Finance Bank, Jaipur, Rajasthan.
13	1910992574	Harsimran Singh	AU Small Finance Bank, Jaipur, Rajasthan.
14	1910992581	Jaskaran Singh	Antier Solution Pvt Ltd., Mohali, Punjab.
15	1910992582	Jasleen Kaur Thapar	AU Small Finance Bank, Jaipur , Rajasthan.
16	1910992585	Jatin	Wipro Limited, Bangalore.
17	1910992588	Kanika	Antier Solution Pvt Ltd., Mohali, Punjab.
18	1910992612	Mehakpreet Kaur	Apptunix Technology Pvt. Ltd., Mohali.
19	1910992620	Muskan Chawla	Advance Solutions, Jalandhar, Punjab.
20	1910992621	Muskan Makani	SEO Discovery, Mohali, Punjab.
21	1910992623	Nancy Rawat	Code Unfold Solutions, Mohali, Punjab.
22	1910992632	Paras Paruthi	World Resources Institute India Private Unlimited, Mumbai.
23	1910992636	Parth	Antier Solution Pvt Ltd., Mohali, Punjab.
24	1910992645	Pranjal Gupta	Code Brew Labs, Chandigarh.
25	1910992646	Prateek Dang	Antier Solution Pvt Ltd., Mohali, Punjab.
26	1910992650	Priyanshu Ahuja	Stackgeeks Software Development & Consulting, Chandigarh.
27	1910992651	Pulkit Jain	Antier Solution Pvt Ltd., Mohali, Punjab.
28	1910992658	Rajit Mann	Sebiz Infotech Pvt Ltd., Mohali, Punjab..

29	1910992671	Saloni Sachdeva	CloudEq Software India Pvt. Limited, Mohali, Punjab.
30	1910992674	Sanyam Chawla	Sebiz Infotech Pvt Ltd., Mohali, Punjab.
31	1910992677	Satinder Singh	Sebiz Infotech Pvt Ltd., Mohali, Punjab.
32	1910992685	Shivani	Astrople Technology Solutions, Chandigarh
33	1910992717	Vilesh Gupta	Sebiz Infotech Pvt Ltd., Mohali, Punjab.
34	1910992719	Yash	Wipro Limited, Bangalore.
35	1910992724	Sparsh Gautam	Antier Solution Pvt Ltd., Mohali, Punjab.
36	1910992725	Harshit Gulati	Antier Solution Pvt Ltd., Mohali, Punjab.
37	1910992726	Manish Saru	Advance Solutions, Jalandhar, Punjab.
38	1910992729	Ankita	Antier Solution Pvt Ltd., Mohali, Punjab.
39	1910992812	Shagun Thukral	Spectraforce Technology Pvt. Ltd., Pune.
40	1910992522	Anirudh Chawla	Accosoft (INDIA), Mohali, Punjab.
41	1910992507	Abhisar Aman	Apptunix Technology Pvt., Mohali, Punjab.
42	1910992550	Bhivesh	MV Electro systems Pvt Ltd., Palwal, Haryana.
43	1910992598	Kunal	Apptunix Technology Pvt., Mohali, Punjab .

A Brain Teaser

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

Solution of Last Issue

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

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