

CHITKARA
UNIVERSITY



Nouvelle Liberation

Volume 7, Issue 4

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

Editorial Team:

Dr. Ruchi Mittal

Mr. Vikas Rattan

Ms. Jasmeen Kaur Chahal

Website:

<https://www.chitkara.edu.in>

www.ca.chitkara.edu.in

Email:

nouvelle@chitkara.edu.in

INSIDE THE ISSUE

Contents	Page No.
• Counselling Session: Let's Connect	1
• 2-Day Workshop: Infrastructure Hacking	2
• Expert Talk: Salesforce & Automation	3
• Hands-on Session: Salesforce Development Stack	4
• Hackathon	5
• Rural Games: Gurupurab Celebrations	6
• A Tour to Apex and Visualforce	7
• Workshop: Web Development and Bootstrap Basics	8
• Expert Talk: Entrepreneurship & Innovation	9
• Industrial Visit: CS Soft Solutions	10
• Website Development Competition: Tech Wheel	11
• Futsal Competition	12
• Expert Talk: Career Opportunities in "Salesforce as a CRM Tool"	13
• Expert Talk: Software Testing & QA Certifications- Facts and Fictions	14
• Research & Publications	15-18
• Faculty Achievements	19
• Students Achievements	20
• Placements - MCA	21
• Placements - BCA	22-23



October 20-21, 2021

Counselling Session: Let's Connect

Matrix Club from the Department of Computer Applications in collaboration with National Service Scheme, Chitkara University, Punjab, organized a very informative and knowledgeable counselling session. This counselling session was conducted under the expertise of Dr. Nidhi Bharatwal and Ms. Charanjit Kaur, both of them working as student counsellors in the university.

Emotions make up most of our human mind, an entity known to all but understood by few. We as human beings have a tendency to overthink and encounter the conflict of emotions and our near ones. This has led to various diseases such as depression, lust for power and sometimes even agitation. To cure problematic behaviour cited above, the counsellors taught us to instil self-love and empathy, because these two emotions equip us to fight our way through any hurdle and all hindrances whether emotional, psychological or mental. The event ended on a note to love humanity and co-exist together in harmony.





The poster features logos for A+ NAAC, Chitkara University, Institution's Innovation Council, and Matrix Club. The main text reads: "Infrastructure Hacking Workshop: Hacking The Impossible with Detox Team". It specifies the dates "28th & 29th Oct, 2021" and time "10:00 AM". The venue is "Exploretorium". It lists the session expert as "Mr. Paras Arora, Cyber Security Analyst, Detox Technologies" and student organizers "Hardik Kathuria" and "Rajat Sabharwal". Social media handles for @matrix_club and Matrix Club are provided. A QR code with the text "HACK ME" is in the bottom right corner.

October 28-29, 2021

2-Day Workshop: Infrastructure Hacking

Matrix Club under the aegis of Department of Computer Applications in collaboration with Institution's Innovation Council (IIC), Chitkara University, Punjab along with Detox Technologies organized a 2-day workshop on Infrastructure Hacking- "Hacking the impossible" on October 28-29, 2021. The resource person for this constructively detailed workshop was Mr. Paras Arora, Indian Certified Ethical Hacker working as a Security Analyst in Detox Technologies and also a member of Synack Red Team as a Bug Bounty Hunter and listed in World's Top 600 Hackers on BugCrowd. The expert shared views about the privacy of data. His career is an apt reflection of the knowledge he beholds in this vast technical field. Mr. Paras Arora discussed four topics including security landscape, payment frauds impacting human life, digitisation leading to more data leaks and windows hacking with exe. The ending of the session observed more learned and cautious students who understood the fundamental working of the cyber world and enhanced their skill set to tackle it with wit and wisdom.

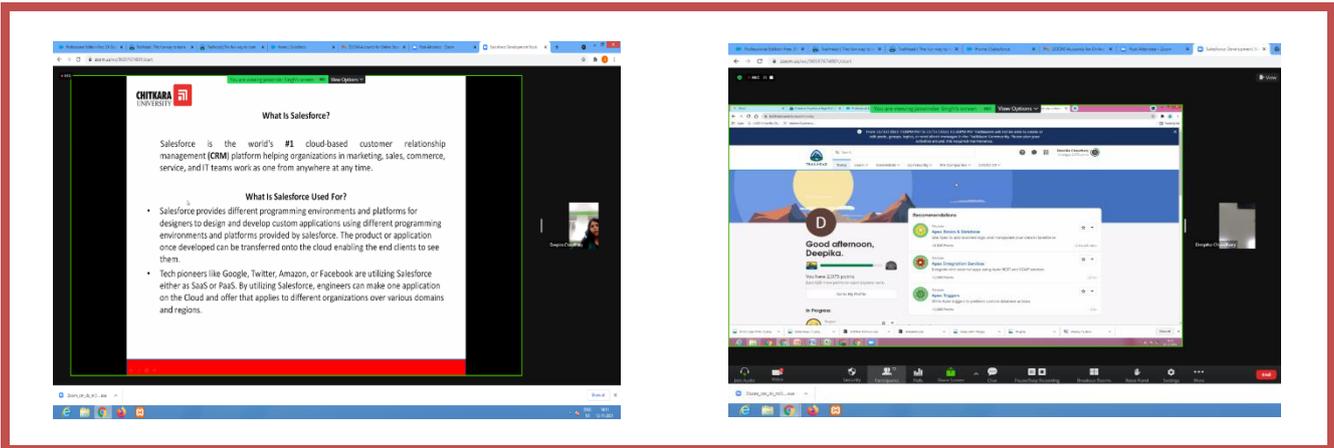


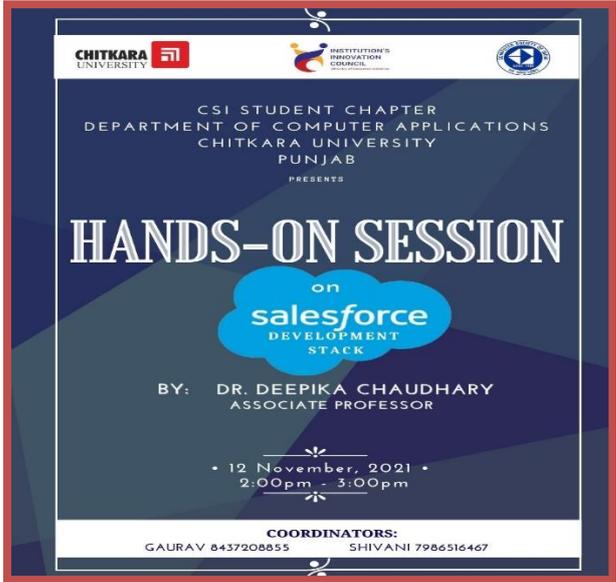


November 10, 2021

Expert Talk: Salesforce & Automation

CSI Student Chapter under the aegis of Department of Computer Applications organized an expert talk on Salesforce & Automation. This talk was delivered by Mr. Davender Guleria (Head, Bebo Educational Foundation). Mr. Davender introduced salesforce platform and discussed the various features of the salesforce interface. He also gave knowledge of mycrowed platform of Bebo Technologies where various projects/ tasks can be assigned to the students for their practical learning. The students also learned how to create login in mycrowed. The salesforce development through Apex programming was also covered in the session.

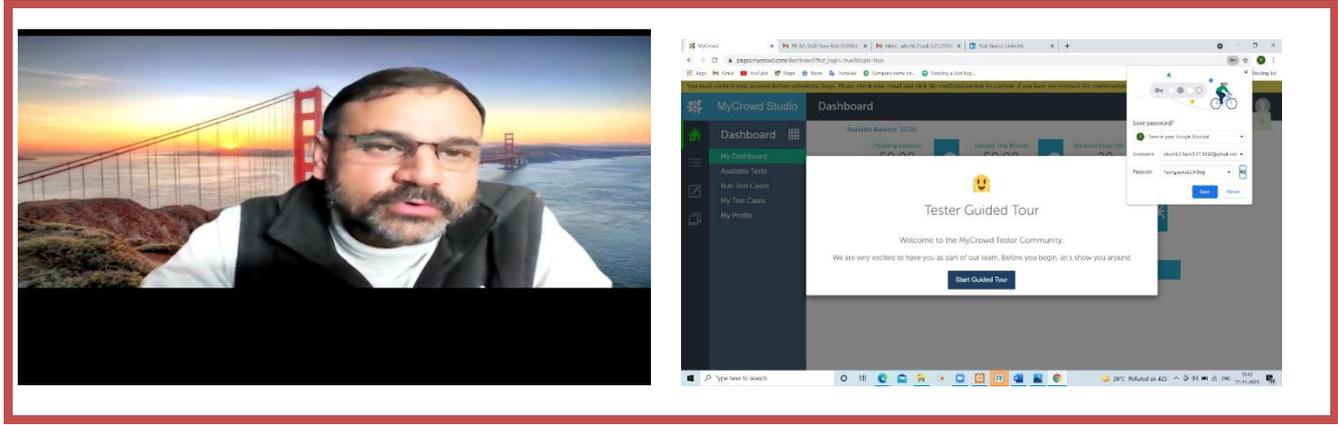




November 12, 2021

Hands-on Session: Salesforce Development Stack

CSI Student Chapter under the aegis of Department of Computer Applications organized a hand-on session on Salesforce Development Stack. Dr. Deepika Chaudhary, Associate Professor, Department of Computer Applications, Chitkara University, Punjab, took the session and covered all basics and core concepts of Salesforce. Dr. Deepika demonstrated how to create a login in Salesforce, how to use demo modules of Salesforce and how to work in Apex and visualforce. The students worked in parallel and asked many queries and she cleared all doubts. The students were quite satisfied by learning a new development stack.





November 13-14, 2021

CHITKARA UNIVERSITY | bebo | BTES | INSTITUTIONS' INNOVATORS COUNCIL

CHITKARA UNIVERSITY IN ASSOCIATION WITH BEBO TECHNOLOGIES PRESENTS..

HACK(A)THON

PROJECT ASSIGNMENT TO STUDENTS : 13 NOV 2021
PROJECT SOLUTION UPLOADED BY STUDENTS : 14 NOV 2021
WINNERS ANNOUNCEMENT: 20 NOV 2021

WINNERS TO BE OFFERED

- TRAINING & CERTIFICATION FROM BEBO TECHNOLOGIES
- ACCESS TO DIFFERENT LEARNING PLATFORMS
- OPPORTUNITY TO BECOME BRAND AMBASSADORS OF BEBO TECHNOLOGIES

TECHNOLOGY STACK:-

1. QA PERSPECTIVE (SALESFORCE & JAVA/ SELENIUM)
2. DEVELOPMENT PERSPECTIVE (SALESFORCE)

PLATFORM - VIRTUAL - BEBO LIVE PLATFORM (MYCROWD)

ORGANIZED BY
CSI STUDENT CHAPTER
DEPARTMENT OF COMPUTER APPLICATIONS
CHITKARA UNIVERSITY, PUNJAB

STUDENT COORDINATORS
GAURAV:- 8437208855
SHIVANI:- 7986518487

REGISTER AT:-
[HTTPS://FORMS.GLE/LDCJFHOPXEBRE1AN6](https://forms.gle/LDCJFHOPXEBRE1AN6)

Hackathon

CSI Student Chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab, in collaboration with Bebo Technologies organized a Hackathon Event. The Hackathon was aimed to provide an opportunity for all students, to showcase their talent through a competitive environment. The students got a chance to know about the intricacies involved in the development and execution of the projects. They participated in this event through both online as well as offline mode. They worked on projects related to Salesforce development and Salesforce QA. They showed keen interest and participated with enthusiasm. The winners were announced by the Bebo technologies. Dr. Jaiteg Singh, Professor and Dean, Department of Computer Applications, Chitkara University, Punjab applauded the efforts of the students and appreciated the faculty members involved in organizing the event.





November 16, 2021



Rural Games: Gurupurab Celebrations

Matrix club under the aegis of Department of Computer Applications in collaboration with Chitkara Alumni Network (CAN), Chitkara University, Punjab, organized Rural Games on the occasion to mark the 550th birth anniversary of Sri Guru Nanak Dev Jayanti (GuruPurab) on November 16, 2021, wherein a number of students participated from various departments in the rural games of Punjab. The students were so excited to play all childhood rural games depicting punjabi culture such as Pithoo Garam, Kho Kho, Dog in the Pond, Stapoo, Rassi Tappa etc. These different activities/games got a tremendous response from students and the event was thoroughly enjoyed by everyone. All winners got certificates and appreciation for their efforts in the game.





November 20, 2021

CHITKARA UNIVERSITY INSTITUTION'S INNOVATION COUNCIL

EXPERT TALK

" A TOUR TO APEX AND VISUALFORCE "

RESOURCE PERSON

Dr. RAJESH KAUSHAL

ASSOCIATE PROFESSOR

DATE
20 NOV 2021

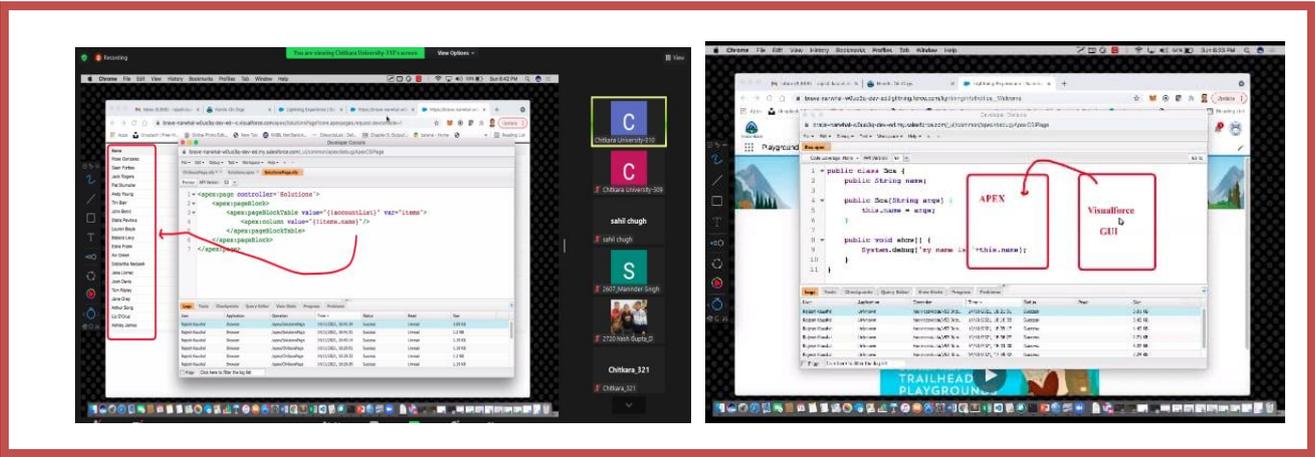
TIME
03:00 PM TO 04:00 PM

ORGANIZED BY
CSI STUDENT CHAPTER
DEPARTMENT OF COMPUTER APPLICATIONS
CHITKARA UNIVERSITY, PUNJAB

STUDENT COORDINATORS : GAURAV:- 8437208855 | SHIVANI:- 7986516467

A Tour to Apex and Visualforce

CSI Student Chapter under the aegis Department of Computer applications organized a session on a 'Tour to Apex and Salesforce'. Dr. Rajesh Kaushal, Associate Professor, Department of Computer Applications, was the resource person. Dr. Rajesh taught Apex language that allows developers to execute flow and transaction control statements on Salesforce servers in conjunction with calls to the API. He also demonstrated how to build customized user interface using visualforce and Apex. The students learned programming using apex and developing user interfaces through visual force.





CHITKARA UNIVERSITY **TOWAIS** **INSTITUTION'S INNOVATION COUNCIL**

CSI STUDENT CHAPTER
DEPARTMENT OF COMPUTER APPLICATIONS
Chitkara University, Punjab

WORKSHOP
ON
WEB DEVELOPMENT AND BOOTSTRAP BASICS

DATE- 29.11.21
MODE- ONLINE
TIME- 6:30 PM TO 9:30 PM
VENUE-

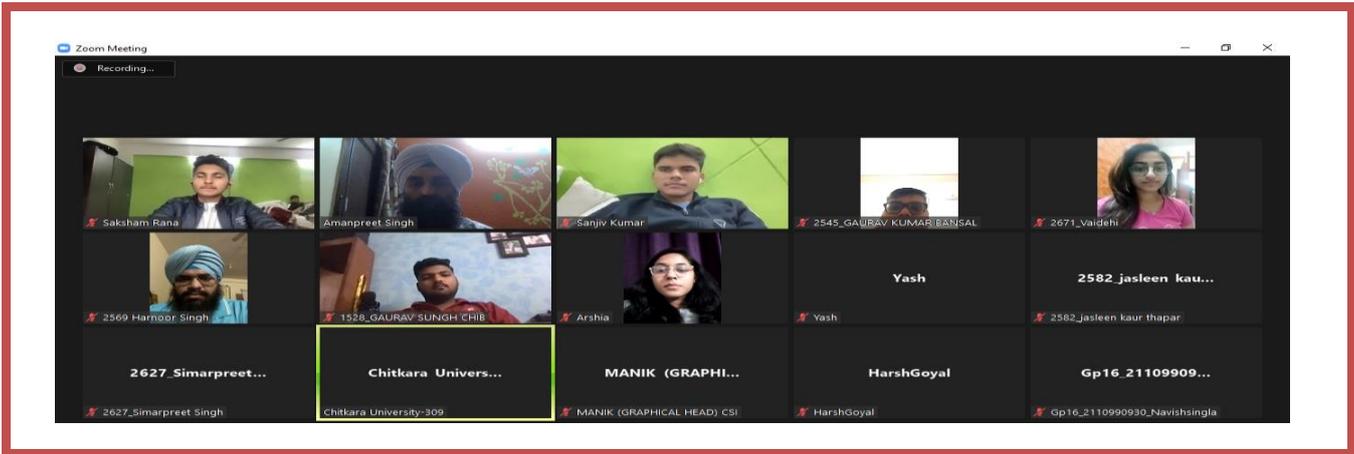
LINK
<https://meet.google.com/zeb-qfgd-eiz>

STUDENT COORDINATOR
GAURAV CHIB- 8437208855
DIVYANSH- 9411187503

November 29, 2021

Workshop: Web Development and Bootstrap Basics

CSI Student Chapter under the aegis Department of Computer applications organized a workshop on 'Web Development Basics and Bootstrap'. Mr. Amanpreet Singh, Assistant Professor, Department of Computer Applications, Chitkara University, Punjab, was the resource person. Mr. Amanpreet taught how to develop a web site using HTML, CSS, PHP, Java Script and Bootstrap. He also demonstrated how to create a good UI/UX, CMS framework and develop a dynamic and responsive web site. The students from various departments participated in the workshop. They showed enthusiasm and asked a lot of questions.





November 29, 2021

CHITKARA UNIVERSITY
PUNJAB

GOVERNMENT OF PUNJAB
DEPARTMENT OF COMPUTER APPLICATIONS

INSTITUTION'S INNOVATION COUNCIL

MATRIX CLUB

**Matrix Club under the Aegis of
Department of Computer Applications**
organizes
**Expert Talk on
entrepreneurship
& INNOVATION**

In collaboration with
Institutional Innovation Council (IIC)

Dr. Adarsh Aggarwal
Head-Incubation
Chitkara Innovation Incubator
Foundation (CIIF)

Date : 29th Nov. 2021
Venue : Einstein Hall
Time : 11:00 AM onwards

Expert Talk: Entrepreneurship & Innovation

Matrix Club under the aegis of Department of Computer Applications in collaboration with Institution's Innovation Council (IIC) organized an expert talk on "Entrepreneurship and Innovation" on November 29, 2021. The speaker of the session was Dr. Adarsh Aggarwal, Head Incubation, CCIF, who is currently mentoring start-ups and exploring opportunities to capture the diversity and innovative ideas in students so as to bring the best ideas into this world. He gave ideas to conceptualize, build and nurture your own start-up. He further emphasized on selection of start-ups, how to manage seed funding, product development and prototyping, how to train your mind for entrepreneurship and fund raising for mature start-ups. A number of students of the department found the session interesting and were keen listeners in getting the ideas from the speaker during the session.





November 29, 2021

Industrial Visit: CS Soft Solutions

CSI Student Chapter under the aegis Department of Computer applications organized an Industrial visit to CS Soft Solutions, Mohali. Twenty seven students from MCA along with two staff members visited the company. Mr. Rohit Soni (Business development manager) and Ms. Ankita (HR Executive) greeted the students and staff members. Mr. Ranjeet Sajwan, Project Manager, CS Soft solutions took a session on Android and ios applications. Mr. Ranjeet discussed the latest ios apps and demonstrated how they can be developed. He also guided the students how to brush up their skills and to get good placement opportunities in the IT industry. He answered all the queries regarding current preferred technical languages, company environment etc. For students, it was a good experience of learning the industry culture and work process.





CHITKARA UNIVERSITY

TECH WHEEL WEBSITE DEVELOPMENT COMPETITION

TECHNOLOGY: HTML | CSS | JS | BOOTSTRAP | PHP

EVALUATION CRITERIA: UI/UX | Responsive | Dynamic | Flow of code

Date : November 30, 2021
Time : 10:00 AM - 04:00 PM
Venue : Demorgan Block, 2nd floor

Cash Prizes & Certificates to be won

Register at chalkpad

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

Student Coordinators: Gaurav : 8437208855, Shivani : 7986516467

November 30, 2021

Website Development Competition: Tech Wheel

CSI Student Chapter under the aegis of Department of Computer Applications, Chitkara University, Punjab, organized a technical event named Tech Wheel. Tech Wheel event was a website development competition organized for the students of Chitkara University. Students were asked to use HTML, CSS, JS, BOOTSTRAP and PHP for web site development. Students were evaluated based upon the features like UI/UX, Responsive, Dynamic, Flow of code. Student named Vihaan Singh from Computer Science & Engineering Department won first prize. Sawan Kumar and Aman Verma from Department of Computer Applications won second and third prize respectively. Dr. Jaiteg Singh, Professor and Dean, Department of Computer Applications, Chitkara University, Punjab, congratulated the winners and felicitated the winners with trophies, certificates and cash prizes.





December 1-2, 2021

Futsal Competition

The Club Matrix under the auspices of Chitkara University, Punjab in collaboration with University Sports Board (USB) organised Futsal. It is an exciting and fast paced indoor sport which is played across the world and is recognised by FIFA and the AFC. An exhilarating participation was witnessed where the students displayed sportsmanship and flawless team work. Twenty teams from the university participated and competed against each other. The team that scored maximum goals was declared SUPA STRIKAS. The man of the tournament was Sujal, best keeper was Aditya and best scorer was Ravit. The winning team was felicitated with certificates and cash prize worth Rs. 2100 and the runner up was awarded Rs. 1500. The tournament ended on a high spirited note where even after playing against each other the team mates displayed amazing team work, leadership and management skills.





December 07, 2021

Expert Talk Series (Lecture-1)

CAREER OPPORTUNITIES IN SALESFORCE AS A CRM TOOLS

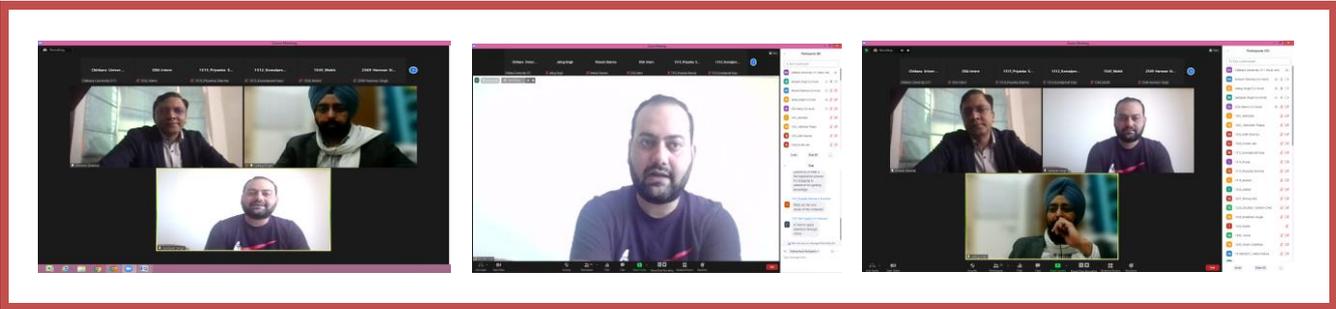
Mr. Sarbjeet Singh
Sr Salesforce Developer
AMS OSRAM - Malaysia

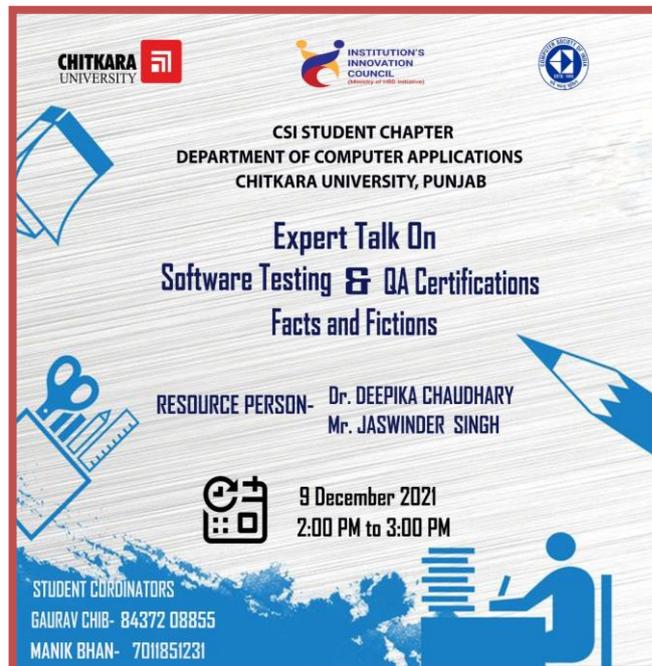
Date
07 December 2021 (Tuesday)
Time
10:00 AM to 11:00 AM

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

Expert talk: Career Opportunities in “SalesForce as a CRM Tool”

CSI Student Chapter under the aegis Department of Computer applications organized a first lecture on Expert talk series on the topic Career Opportunities in SalesForce as a CRM tool. Dr. Jaiteg Singh, Professor and Dean, Department of Computer Applications, Chitkara University, Punjab greeted the speakers of expert talk. Dr. Himesh Sharma (Founder and Director at Skilllabs, Mohali) commenced the session by introducing the importance of salesforce, its scope and placement opportunities in IT Industry. He guided the students on how to become industry ready. Mr. Sarbjeet Singh (Sr. Salesforce Developer, AMS OSRAM - Malaysia) uncovered various aspects of Salesforce development and guided the students on becoming a Salesforce developer. It was an interactive session where students participated actively and ask various queries regarding Salesforce.

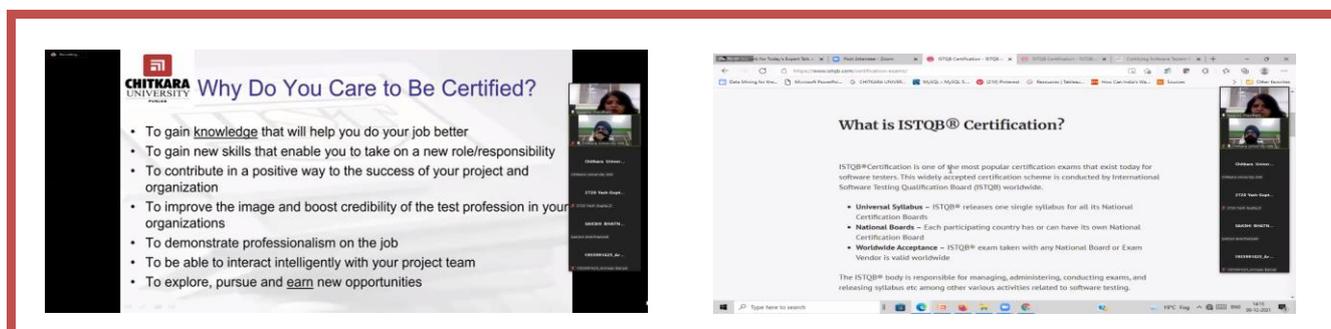




December 09, 2021

Expert talk: Software Testing & QA Certifications- Facts and Fictions

CSI Student Chapter under the aegis of the Department of Computer applications organized an Expert Talk on "Software Testing & QA Certifications - Facts and Fictions". Dr. Deepika Chaudhary, Associate Professor, Department of Computer Applications, Chitkara University, Punjab and Mr. Jaswinder Singh, Assistant Professor, Department of Computer Applications, Chitkara University, Punjab were the experts for the session. Dr. Deepika Chaudhary interacted with the students and created awareness on the importance of Software testing & Quality assurance (QA) Certification and also elucidated the advantages of being certified. Mr. Jaswinder Singh provided knowledge on the course contents and pattern of examination. He also motivated the student for being certified. The session wrapped up with an overwhelming response from all the students.





Research & Publications

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.

Gera, T., Singh, J., Mehbodniya, A., Webber, J. L., Shabaz, M., & Thakur, D. (2021). Dominant Feature Selection and Machine Learning-Based Hybrid Approach to Analyze Android Ransomware. *Security and Communication Networks*, 2021.

Gandhi, V., & Singh, J. (2021). Gait Adaptive Duty Cycle: Optimize the QoS of WBSN-HAR. *Wireless Personal Communications*, 1-19.

Mittal, R., Mittal, A. & Aggarwal, I. Identification of affective valence of Twitter generated sentiments during the COVID-19 outbreak. *Social Network Analysis & Mining*, 11, 108 (2021).

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.

Gera, T., Singh, J., Thakur, D., & Kaur, A. (2021, October). A Survey on Andro-Financial Malware Attacks, Detection Methods and Current Issues. In *2021 6th International Conference on Signal Processing, Computing and Control (ISPCC)* (pp. 587-593). IEEE.

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.

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

Sharma, M., Singh, J., Gupta, A., Tanwar, S., Sharma, G., & Davidson, I. E. (2021). Intercloud Resource Discovery using Blockchain. *IEEE Access*.



Research & Publications

Gandhi, V., Ramkumar, K. R., Kaur, A., Kaushal, P., Chahal, J. K., & Singh, J. (2021, October). Security and privacy in IoT, Cloud and Augmented Reality. In 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC) (pp. 131-135). IEEE.

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.

Malik, V., Mittal, R., Singh, J., Rattan, V., & Mittal, A. (2021, August). Feature Selection Optimization using ACO to Improve the Classification Performance of Web Log Data. In 2021 8th International Conference on Signal Processing and Integrated Networks (SPIN) (pp. 671-675). IEEE.

Gandhi, V., & Singh, J. (2021, July). Intensified Biological Signature Recognition in the Wild: A Case Study. In 2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT) (pp. 1-6). IEEE.

Mittal R., Kumar P., Mittal A., Malik V. (2021) Developing an Evaluation Model for Forecasting of Real Estate Prices. Applications of Artificial Intelligence and Machine Learning. Lecture Notes in Electrical Engineering, vol 778. Springer, Singapore.

Agarwal, A. K., Tiwari, R. G., Kaushal, R. K., & Kumar, N. (2021, October). A Systematic Analysis of Applications Of Blockchain in Healthcare. In 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC) (pp. 413-417). IEEE.

Tiwari, R. G., Agarwal, A. K., Kaushal, R. K., & Kumar, N. (2021, October). Prophetic Analysis of Bitcoin price using Machine Learning Approaches. In 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC) (pp. 428-432). IEEE.

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



Research & Publications

Conference Papers Presented

Ruchi Mittal, Amit Mittal, Jaiteg Singh, Vikas Rattan, Varun Malik, "Forecasting E-Mentoring Effectiveness using Data Mining Approach" Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13,2021.

Ruchi Mittal, Amit Mittal, Jaiteg Singh, Vikas Rattan, Varun Malik, "Applying Data Mining for Clustering Shoppers based on Store Loyalty" Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13,2021.

Puneet Kaur, Deepika Chaudhary, Jaiteg Singh, " Concepts in Mental Health for Sentimental Analysis of Tweets–A Review, Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13,2021.

K.Z.Molla., K. Chattopadhyay, Deepika Chaudhary," RSM based parametric optimization during electro-chemical grinding process of hybrid Al/ (Al₂O₃+ ZrO₂)-MMC.", Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13,2021.

Vikas Rattan, Ruchi Mittal, Varun Malik, Jaiteg Singh, "Supervised Machine Learning Approach for Employee Attrition Analysis" Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13, 2021.

Vandana, Dr. Navdeep Kaur "Popular Physiological Trait based Biometric Authentication Systems" Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13, 2021.

Amanpreet Singh, Amandeep Kaur and Dr. Deepali Gupta, "Analysis of Approaches of Trustability and Issues in Cloud Computing" Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13, 2021.

Rajwinder Kaur, Jaswinder Kaur Sandhu, Meena Pundir, Gurjinder Singh, Aina "Towards a Systematic Threat Modeling Approach for Wireless Sensor Networks" Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13, 2021.



Research & Publications

Conference Papers Presented

Shikha Sharma, Ruchi Mittal, Nitin Goyal, "An Assessment of Machine Learning and Deep Learning Techniques with Applications" Chitkara University Doctoral Consortium (CUDC-2021), Chitkara University Punjab, November 12-13,2021.

Jaspreet Singh Bajaj, Naveen Kumar and Rajesh Kumar Kaushal "AI Based Novel approach to detect driver drowsiness" Chitkara University Doctoral Consortium (CUDC-2021) Chitkara University Punjab, November 12-13,2021.

Jasmeen Kaur Chahal, Puninder Kaur, Avinash Sharma "Distributed Denial of Service (DDoS) Attacks in Software-defined Networks (SDN)" 2021 5th International Conference on Electrical , Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT), GSSS Institute of Engineering & Techology for Women, Mysuru, December 10-11, 2021.

Jasmeen Kaur Chahal, Avinash Sharma "Improving Accuracy of crime data using K-Means and Decision Tree Technique" 2021 IEEE International Conference on Technology, Research and Innovation for Betterment of Society (TRIBES-2021), IIIT Nava Raipur, Chhattisgarh, December 17-19, 2021.



Faculty Achievements

Patents Filed

Jaiteg Singh, Deepika Chaudhary, Preetinder Singh Brar, Vidhyotma Gandhi, Vikas Rattan filed a patent titled "Door Latch" on December 1, 2021 vide application no. 354080-001.

Vikas Rattan, Ruchi Mittal, Jaiteg Singh, Sushil Narang, Amit Mittal, Varun Malik, Gurdyal Singh, Anoop Aggarwal, Gaurav Jain, Preetinder Singh Brar filed a patent titled "Foldable Drainage Catheter" on December 8, 2021 vide application no. 354548-001.

Vikas Rattan, Ruchi Mittal, Jaiteg Singh, Varun Malik, Gurdyal Singh, Anoop Aggarwal, Sunil Kumar, Poonam Panwar, Amandeep Kaur, Deepika Sharma filed a patent titled "Bike Mobile Armor" on December 7, 2021 vide application no. DSGN/IN/1293.

Anshika Joshi, Jaiteg Singh, Ruchi Mittal, Vikas Rattan, Preetinder Singh Brar, Varun Malik, Jasmeen Kaur filed a patent titled "Mobile Phone Case for Two-Wheeler" on November 10, 2021 vide application no. 352879-001.

Anshika Joshi, Jaiteg Singh, Deepika Chaudhary, Neelam Dahiya, Amanpreet Singh, Varun Malik, Jasmeen filed a patent titled "Adjustable Car cum Bike Stand with Remote Control" on September 24, 2021 vide application no. 350090-001.

Rajesh Kumar Kaushal, Naveen Kumar, Simranjeet Singh, Surya Narayan Panda, Prabin Kumar, Manish Sharma, Jaspreet Singh Bajaj, Ambuj Kumar Aggarwal, Gurpreet Kaur filed a patent titled "Paper Clip Cum Camera Shutter for Laptops and Smartphones/Design" on October 13, 2021 vide application no. 351251-001.

S.N.Panda, Simranjeet Singh, Tahir Mehmood, Sachin Ahuja, Manish Sharma, Prabin Kumar, Seema verma, Rajesh Kumar Kaushal, Naveen Kumar filed a patent titled "Nano Portable Intensive Care Unit" on October 29, 2021 vide application no. 352279-001.

Simranjeet Singh, Surya Narayan Panda, Rajesh Kumar Kaushal, Naveen Kumar, Siba Kumar filed a patent titled "Convertible Apparatus" on November 2, 2021 vide application no. 202111050308

Students Achievements



Hackathon Winners

Position	Name	Stream
1 st	Ujjwal Sharma Srishti Sharma	B.Tech-IT
2 nd	Shagun Thukral Shafak	BCA
3 rd	Muskan Makani Manpreet Kanika Yash	BCA

Tech Wheel Winners

Position	Name	Stream
1 st	Vihaan Singh	CSE
2 nd	Sawan Kumar	BCA
3 rd	Aman Verma	BCA



Placements - MCA

S. No.	Roll No	Name	Company
1	2010981504	Akash Arora	Bebo Technologies, Chandigarh
2	2010981505	Ankit	TestingXperts, IT Park, Chandigarh
3	2010981507	Ashutosh Sharma	Edifecs Technologies Pvt. Ltd, SAS Nagar, Mohali
4	2010981508	Ashwani	Antier, Indl. Area, Mohali
5	2010981510	Gurleen Kaur	Antier, Indl. Area, Mohali
6	2010981511	Khushbu	Bebo Technologies, Chandigarh
7	2010981519	Ravi Pal	Antier, Indl. Area, Mohali
8	2010981522	Sahil Jaithal	Antier, Indl. Area, Mohali
9	2010981526	Shefali	Antier, Indl. Area, Mohali
10	2010981528	Shubham Singla	Antier, Indl. Area, Mohali
11	2010981531	Tanvi Dua	H&R Block Private Limited, Thiruvananthapuram
12	2010981533	Taranjit Kaur	TestingXperts, IT Park, Chandigarh
13	2010981536	Vishal Aneja	Bebo Technologies, Chandigarh
14	2010981538	Akshit soosd	Cognizant
15	2010981547	Himanshu Gupta	SpiceMoney, Mohali
16	2010981552	Aishwarya Raj	Sears IT & Management Services, Private Limited by Transformco, Pune
17	2010981521	Sachin Suryavanshi	Sears IT & Management Services, Private Limited by Transformco, Pune



Placements - BCA

S. No	Roll No.	NAME	Company
1	1910992812	Shagun Thukral	SpectraForce, Sahibzada Ajit Singh Nagar
2	1910992678	Seerat Sawhney	SpectraForce, Sahibzada Ajit Singh Nagar
3	1910992676	Sarita Sharma	SpectraForce, Sahibzada Ajit Singh Nagar
4	1910992551	Bhri gul	SpectraForce, Sahibzada Ajit Singh Nagar
5	1910992538	Aryan Negi	SpectraForce, Sahibzada Ajit Singh Nagar
6	1910992621	Muskan Makani	SEO Discovery, Sahibzada Ajit Singh Nagar
7	1910992565	Gourav Jindal	Wipro-WILP
8	1910992543	Avinash Verma	Wipro-WILP/Antier Solution
9	1910992585	Jatin	Wipro-WILP
10	1910992719	Yash	Wipro-WILP
11	1910992548	Bhavneesh Goyal	Wipro-WILP
12	1910992581	Jaskaran Singh	Wipro-WILP
13	1910992729	Ankita Khokhar	Antier, Mohali
14	1910992724	Sparsh Gautam	Antier, Mohali
15	1910992555	Chirag mehrotra	Antier, Mohali
16	1910992636	Parth	Antier, Mohali
17	1910992588	Kanika	Antier, Mohali
18	1910992651	Pulkit Jain	Antier, Mohali



Placements - BCA

S. No	Roll No.	NAME	Company
19	1910992506	Abhinav Kukreja	Antier, Mohali
20	1910992517	Amit Kumar	Antier, Mohali
21	1910992537	Arunjot Singh	Antier, Mohali
22	1910992559	Divpreet Kaur	Antier, Mohali
23	1910992646	Prateek Dang	Antier, Mohali
24	1910992599	Kunal Verma	Advance Solutions, Alpharetta, USA
25	1910992611	Manpreet	Advance Solutions, Alpharetta, USA
26	1910992726	Manish Saru	Advance Solutions, Alpharetta, USA
27	1910992620	Muskan Chawla	Advance Solutions, Alpharetta, USA
28	1910992516	Amisha Dang	Advance Solutions, Alpharetta, USA



A Brain Teaser

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

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"

CHITKARA UNIVERSITY, PUNJAB

Chandigarh-Patiala National Highway (NH-64), Punjab-140 401

Phone No: +91 1762 507084/86

Website: www.chitkara.edu.in