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OCTOBER 16, 2024

Technovanza 2024 Connecting the Dots of Innovation and Start up



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The CSI Student Chapter, under the auspices of the Department of Computer Applications at Chitkara University, organized Technovanza 2024: "Connecting the Dots of Innovation and Startup" on October 16, 2024, at Pierre Hall. This student competition featured three dynamic rounds, each designed to test participants' technical expertise and entrepreneurial acumen.

The event commenced with a **Technical Quiz**, where participants showcased their knowledge across various tech domains, setting a competitive tone. The second round, the **App Pitch**, challenged teams to present innovative app ideas that addressed real-world problems with practical tech solutions, reflecting their creativity and analytical thinking. The final round, the **Code and Test Relay** emphasized teamwork and technical proficiency as participants collaborated under time constraints to develop and test solutions, highlighting their adaptability and problem-solving abilities.

Technovanza 2024 served as an excellent platform for students to translate theoretical concepts into practical applications, receive constructive feedback, and refine their teamwork and communication skills. The event concluded with accolades for the top-performing teams, inspiring all participants to pursue innovation and entrepreneurship as they continue their academic and professional journeys.

OCTOBER 17, 2024

Technical Poster Presentation on Ideate, Innovate and Elevate 2024

Poster Presentation

Issue 4 | Volume 10







The CSI Student Chapter, under the guidance of the Department of Computer Applications at Chitkara University, Punjab, organized a Technical Poster Presentation on the theme "Ideate, Innovate, and Elevate 2024". This event provided a platform for talented students to present innovative ideas and technological solutions through visually compelling posters.

Participants showcased ground-breaking research and applications across various emerging technological domains, addressing real-world challenges with creativity and ingenuity. The posters covered a broad spectrum of topics, including artificial intelligence, machine learning, sustainable technology, and software innovations. Each team effectively communicated their projects, emphasizing the impact of their solutions and the methodologies behind their development.

The event fostered interactive discussions, with participants engaging in Q&A sessions and receiving constructive feedback from faculty and peers. This dynamic environment not only enhanced the students' presentation and communication skills but also enabled them to refine their technical ideas based on valuable audience insights.

The session concluded with a formal acknowledgment of all participants, celebrating the top posters that demonstrated exceptional innovation, creativity, and potential for real-world application. The "Ideate, Innovate, and Elevate 2024" Technical Poster Presentation inspired students to further explore and advance their innovative concepts, paving the way for impactful, technology-driven solutions in the future.

OCTOBER 21, 2024

Navigating the Future: Innovations in Artificial Intelligence and Expert Systems

Expert Talk

Issue 4 | Volume 10







On October 21, 2024, Chitkara University, in collaboration with IIC Chitkara University Punjab, hosted the much-anticipated talk titled "Navigating the Future: Innovations in Artificial Intelligence and Expert Systems" at the Demorgan Block, Chitkara University, Punjab. This engaging event brought together students and professionals with a keen interest in exploring the latest advancements in Artificial Intelligence (AI) and Expert Systems.

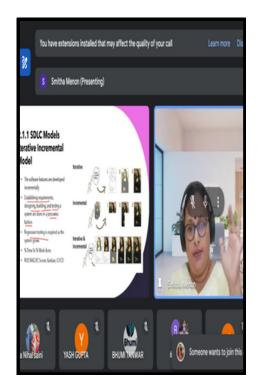
Dr. Vandana, Associate Professor in the Department of Computer Applications, delivered an insightful session, highlighting how AI and expert systems are poised to bring transformative changes across industries and everyday life. She elaborated on the evolving role of expert systems, which mimic human decision-making processes, and their growing ability to solve complex real-time problems. Dr. Vandana also discussed how these innovations are providing solutions across diverse fields, underscoring their increasing impact on both technological development and practical applications.

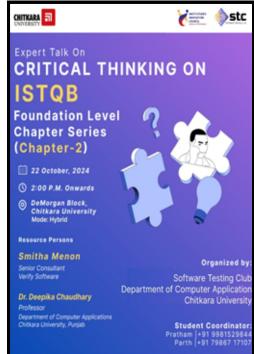
OCTOBER 22, 2024

Critical Thinking on ISTQB Foundation Level Chapter Series (Chapter-2)

Expert Palk

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The Software Testing Club, under the Department of Computer Applications, organized an expert talk on "Critical Thinking based on Chapter 2 of the ISTQB Foundation Level series". The event was conducted in a hybrid format and offered comprehensive insights into the various stages of testing within the software development life cycle.

This enlightening session emphasized the critical role of testing at every phase of the software development process, highlighting the importance of early testing to identify and address issues proactively. Dr. Deepika provided an in-depth overview of Chapter 2 of the ISTQB series, emphasizing its relevance and content. Ms. Samitha further elaborated on the different levels of testing, Agile testing practices in software development, and their real-world applications in the industry. She also demonstrated how testing activities run parallel to the software development process, providing students with a clear understanding of practical implementation.

NOVEMBER 25, 2024

Building a Career in Tech: Skills, Trends, and How to Break In

Expert Talk

Issue 4 | Volume 10







The Department of Computer Applications, in collaboration with the Institution's Innovation Council (IIC), organized an expert talk titled "Building a Career in Tech: Skills, Trends, and How to Break In" on November 25, 2024, at 11:30 AM in Pierre Hall. The primary objective of the session was to guide students on how to develop the necessary skills to succeed in the tech industry and effectively navigate their career paths.

The speaker, Mr. Rajiv Srinivas, Chief of Staff - India & Middle East at HTCD, engaged with the Batch of 2024 students, providing valuable insights into the corporate world and the skills needed for future success. He emphasized the importance of building a strong portfolio, networking through platforms like LinkedIn and GitHub, and actively seeking internships or freelance opportunities to gain practical experience.

Mr. Srinivas also discussed the significance of job boards, referrals (both LinkedIn and employee-based), and staying technically updated to enhance one's skills. He highlighted career opportunities in the field of software testing and the potential career path of a tester. Additionally, he introduced the audience to ServiceNow, explaining its relevance and application in the tech industry.

The session provided students with a comprehensive understanding of how to approach their careers in tech, equipping them with the tools and knowledge to make informed decisions and take proactive steps towards professional growth.

SEPTEMBER 26, 2024

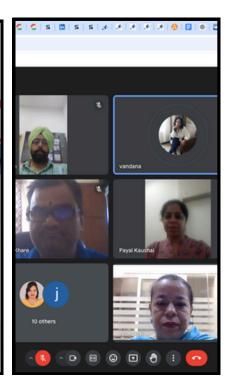
Cloud Computing Essentials

Faculty Development Program

Issue 4 | Volume 10







The Department of Computer Applications at Chitkara University, Punjab, under the auspices of RISE, organized a faculty seminar on "Cloud Computing Essentials" on September 26, 2024. The event commenced with an opening address by Dr. Jaiteg Singh, Pro-Vice Chancellor of the Department of Computer Applications, followed by an expert session led by Dr. Akhilendra Khare, Associate Professor at the School of Computer Application & Echnology, Galgotias University, Greater Noida.

Dr. Khare provided valuable insights into various cloud service models—Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). He discussed the core principles of cloud computing, its numerous benefits, and how it is revolutionizing businesses across various sectors. Dr. Khare effectively simplified complex concepts, making them accessible to attendees from diverse backgrounds. He also shared real-world case studies that demonstrated how organizations are leveraging cloud solutions to drive operational efficiency and foster innovation.

The session concluded with a practical demonstration, where Dr. Khare showcased the steps required to set up a virtual environment. A dynamic Q& A segment followed, allowing participants to engage directly with the expert and gain deeper insights into cloud implementation and best practices.

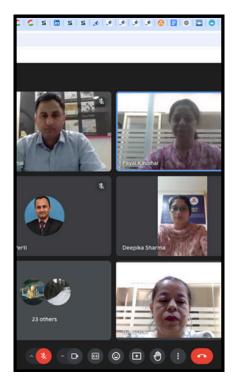
The seminar was highly appreciated by the participants, who praised the relevance of the topic and the quality of the session. Many attendees expressed a desire for more such events in the future, recognizing the importance of cloud computing in today's technological landscape.

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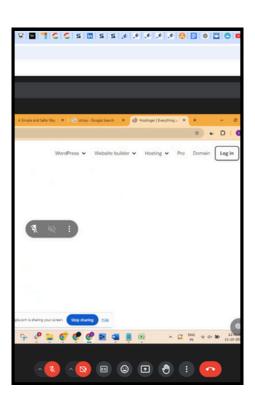
Transforming Digital Presence: A Training for Educators

Faculty Development Program

Issue 4 | Volume 10







The Department of Computer Applications at Chitkara University, Punjab, organized a Faculty Development Program (FDP) titled "Transforming Digital Presence: A Training for Educators" under the RISE initiative from October 7 to 11, 2024. Dr. Preetinder Singh Brar, Professor and Program In-charge, Department of Computer Applications, Chitkara University, Punjab, delivered the opening address.

The first two days of the program featured expert sessions by Mr. Ajay Sharma, System Analyst at Tata Consultancy Services, New Delhi. Mr. Sharma covered critical topics in digital marketing, including SEO fundamentals, on-page SEO, Google Search Console, title tags and meta descriptions, indexing and caching, image SEO, backlinks, and the importance of Domain Authority (DA) and Page Authority (PA). On the third day, he conducted a live project demonstration focused on e-commerce SEO.

The final two days featured sessions by Mr. Prabhsharan Singh, Community Manager at iOTA, Ambala, Haryana. He discussed key concepts such as digital marketing funnels, the use of Pabbly Connect, and an introduction to automation in digital marketing.

The program included a dynamic Q&A segment, which allowed participants to interact directly with the experts and gain valuable insights into their specific digital marketing queries.

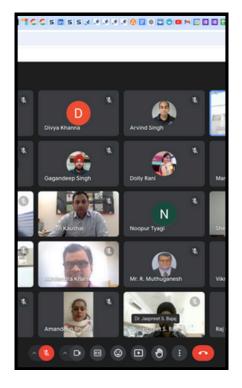
Participants expressed great satisfaction with the FDP, appreciating the relevance of the topics covered. They praised the organizers for selecting such an important and timely theme and expressed interest in more similar events in the future.

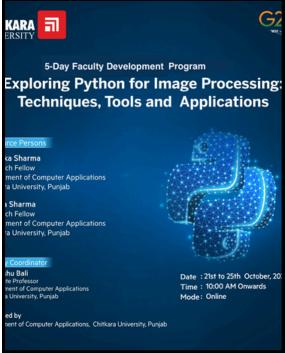
OCTOBER 21, 2024

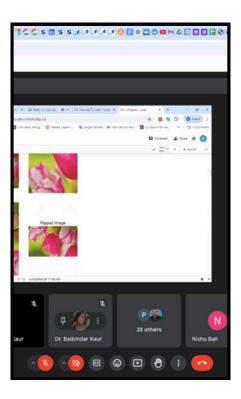
Exploring Python for Image Processing: Techniques, Tools, and Applications

Faculty Development Program

Issue 4 | Volume 10







The Department of Computer Applications, Chitkara University, Punjab, successfully organized a 5-Day Faculty Development Program (FDP) titled "Exploring Python for Image Processing: Techniques, Tools, and Applications" from October 21 to 25, 2024, under the RISE initiative.

The program commenced with an inspiring inaugural address by Dr. Jaiteg Singh, Pro-Vice Chancellor, Department of Computer Applications, Chitkara University, Punjab. This was followed by an introductory session conducted by Ms. Shikha Sharma, Research Scholar, Department of Computer Applications, Chitkara University. Ms. Sharma provided an overview of fundamental concepts in image storage and processing using Python and introduced participants to Google Colab as a tool for Python programming. She also outlined the datasets that would be utilized in the hands-on exercises throughout the FDP.

The subsequent four days featured intensive practical sessions led by Ms. Deepika Sharma, Research Scholar, Department of Computer Applications, Chitkara University, Punjab. These sessions covered critical image processing techniques, including:

Image Pre-processing and Enhancement

Feature Extraction and Machine Learning

Image Classification

Object Detection and Localization

The hands-on approach allowed participants to gain in-depth exposure to modern tools and methodologies in the field of image processing. Each session concluded with an interactive Q&A segment, enabling participants to engage directly with experts and address specific queries.

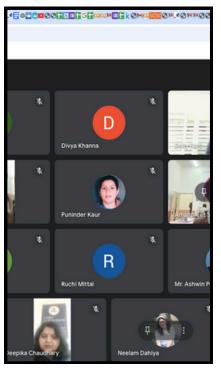
Participants highly appreciated the program's relevance and the practical, application-driven approach of the sessions. They commended the organizers for selecting such a timely and impactful theme and expressed interest in attending similar programs in the future.

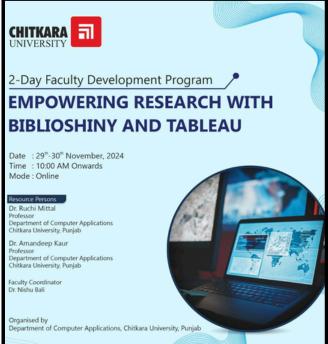
OCTOBER 29, 2024

Empowering Research with Biblioshiny and Tableau

Faculty Development Program

Issue 4 | Volume 10







The Department of Computer Applications at Chitkara University, Punjab, successfully organized a 2-Day Faculty Development Program (FDP) titled "Empowering Research with Biblioshiny and Tableau" under the RISE initiative from October 29 to 30, 2024.

The program commenced with an in-depth session on Biblioshiny led by Dr. Amandeep Kaur, Professor, Department of Computer Applications, Chitkara University. Dr. Kaur introduced participants to the Biblioshiny tool, focusing on Bibliometric analysis and research paper structuring using bibliometric insights, providing attendees with valuable skills to enhance their research process.

The second day featured a session on Tableau, delivered by Dr. Ruchi Mittal, Professor, Department of Computer Applications, Chitkara University. Dr. Mittal explored the concept of data visualization using Tableau, covering topics such as data import and preparation, creative visualization, and the creation of interactive dashboards. The hands-on sessions allowed participants to gain practical experience with these powerful tools, enhancing their proficiency in data visualization.

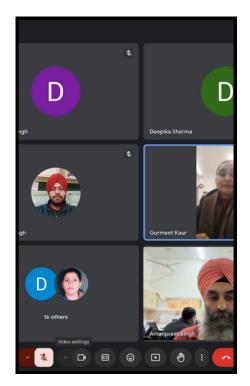
Throughout the program, participants appreciated the practical, hands-on approach and the relevance of the topics discussed. They commended the organizers for selecting a highly impactful and timely theme and expressed interest in attending similar events in the future.

DECEMBER 24, 2024

Visual Analytics with Power BI

Faculty Development Program

Issue 4 | Volume 10







The Department of Computer Applications at Chitkara University, Punjab, under the aegis of RISE, successfully organized a faculty seminar on "Visual Analytics with Power BI" on December 24, 2024.

The event featured an expert session by Dr. Parul Gandhi, Professor at the School of Computer Applications and Technology, Manav Rachna International Institute of Research & Studies, Faridabad. Dr. Gandhi's session aimed to enhance the skills of educators and professionals in utilizing Power BI for advanced data visualization and analysis.

Participants gained valuable hands-on experience in creating interactive dashboards and reports using Power BI. The seminar received widespread appreciation for its practical relevance and the high quality of the session. Attendees emphasized the significance of Power BI in decision-making and research projects and expressed enthusiasm for similar initiatives in the future.

UN Day Celebration-Sustainability Fair

Fiesta

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The Sustainability Fair, held on October 24th, was organized by the Matrix Club under the Department of Computer Applications, in collaboration with the Centre of Excellence for Sustainability (CES) at Chitkara University, Punjab. The event was a vibrant and engaging platform aimed at promoting a sustainable future by integrating holistic wellness and quality education. It brought together students, faculty, and community members to explore the impact of individual and collective actions on fostering meaningful change.

The fair focused on the department's two primary Sustainable Development Goals: Good Health and Well-being and Quality Education. Through interactive sessions and creative displays, the fair highlighted various wellness initiatives organized by the Department in recent months, providing participants with valuable insights into maintaining mental well-being and physical fitness. The theme of Quality Education underscored its transformative power to create opportunities and improve lives. The Department has consistently prioritized delivering high-quality education that empowers individuals and strengthens communities. Artistic displays throughout the fair showcased how students in the Department are being transformed into well-rounded individuals, equipped with empathy, communication, and leadership skills. These qualities empower students to make meaningful contributions to their communities, becoming compassionate professionals committed to positive change.

The fair effectively highlighted the connection between sustainability, personal wellness, and educational empowerment. Attendees actively participated in the discussions and presentations, reflecting a growing commitment within the university community to integrate sustainability into both everyday practices and long-term objectives. The event successfully fostered a deeper understanding of how sustainability can be achieved through individual and collective efforts, reinforcing the importance of both personal well-being and quality education in creating a better future.

OCTOBER 29, 2024

Diwali Celebrations 2024



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The Matrix Club, under the auspices of the Department of Computer Applications at Chitkara University, Punjab, organized a vibrant Diwali celebration on 29th October 2024. The event was designed to bring students together to celebrate the spirit of Diwali, the Festival of Lights, through a series of engaging and culturally enriching activities.

The festivities began at 10:00 a.m., with participants donning beautiful ethnic attire, adding a colorful and cultural charm to the occasion. The atmosphere was lively and festive, perfectly reflecting the joy, light, and unity associated with Diwali.

A key highlight of the event was the Rangoli Competition, featuring a vibrant floral theme. Students showcased their creativity and artistic skills by designing intricate, colorful floral rangoli patterns. These designs were not only visually captivating but also symbolized the cultural significance of Diwali, with participants demonstrating their deep connection to the tradition. Another engaging activity was the Treasure Hunt, where students followed clues to solve mysteries. The activity proved to be an excellent team-building exercise, as it required creative thinking and collaboration, embodying the festive spirit of Diwali.

The event was marked by vibrant decorations, colorful attire, and a lively atmosphere, leaving lasting memories for all participants. It underscored the inclusive and spirited environment that Chitkara University fosters.

The winners of the competitions were recognized with trophies and exciting prizes, adding a sense of accomplishment to the celebrations:

- · Rangoli Making Competition Winners:
- 1st Place: Manmeet & Tanya (BCA 3)
- 2nd Place: Varnika & Parneet (CSE), Drishti (BCA-B1), & Kunjal (BBA-DTS)
- Treasure Hunt Champions:
- Gunjan & Devanshi

The event was a great success, celebrating both the cultural richness of Diwali and the spirit of teamwork and creativity.



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MCA								
S.No	Roll-Number	Name	Company					
1	2310987003	Abhishek Sharma	Pisoft Informatics Pvt. Ltd.					
2	2310987004	Abhishek Kumar	Pisoft Informatics Pvt. Ltd.					
3	2310987005	Abhishek Singh	Pisoft Informatics Pvt. Ltd.					
4	2310987006	AbhishekThakur	Pisoft Informatics Pvt. Ltd.					
5	2310987011	Ajay Chauhan	Pisoft Informatics Pvt. Ltd.					
6	2310987013	Akhilesh Mehta	Pisoft Informatics Pvt. Ltd.					
7	2310987017	Anamika Thakur	Pisoft Informatics Pvt. Ltd.					
8	2310987022	Anuj Sharda	Pisoft Informatics Pvt. Ltd.					
9	2310987033	Deepansh Madaan	Pisoft Informatics Pvt. Ltd.					
10	2310987034	Devansh	Pisoft Informatics Pvt. Ltd.					
11	2310987072	Nikita	Pisoft Informatics Pvt. Ltd.					
12	2310987076	Paarth Kaushal	Pisoft Informatics Pvt. Ltd.					
13	2310987077	Palak Walia	Pisoft Informatics Pvt. Ltd.					
14	2310987081	Prashant Kumar	Pisoft Informatics Pvt. Ltd.					
15	2310987084	Radhika	Pisoft Informatics Pvt. Ltd.					
16	2310987086	Rahul Gupta	Pisoft Informatics Pvt. Ltd.					
17	2310987087	Rahul Thakur	Pisoft Informatics Pvt. Ltd.					
18	2310987102	Sangam	Pisoft Informatics Pvt. Ltd.					
19	2310987103	Sanjay Mandal	Pisoft Informatics Pvt. Ltd.					
20	2310987119	Taanish Mehla	Pisoft Informatics Pvt. Ltd.					



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22	2310987128	Vansh Rupeja	Pisoft Informatics Pvt. Ltd.				
23	2310987129	Vansh	Pisoft Informatics Pvt. Ltd.				
24	2310987132	Yashika Sharma	Pisoft Informatics Pvt. Ltd.				
BCA							
25	2210997096	Himani Dudeja	Pisoft Informatics Pvt. Ltd.				
26	2210997097	Himani Gupta	Novem Controls Private Ltd.				
27	2210997138	Mehak	Novem Controls Private Ltd.				
28	2210997159	Nimarta Gupta	Pisoft Informatics Pvt. Ltd.				
29	2210997177	Pratham Sharma	Pisoft Informatics Pvt. Ltd.				
30	2210997197	Riya	FarEye Technologies Pvt Ltd.				
31	2210997231	Shubham Mehta	Pisoft Informatics Pvt. Ltd.				
32	2210997241	Sneha Chopra	FarEye Technologies Pvt. Ltd.				
33	2210997252	Tanishqa Jandoo	Novem Controls Private Ltd.				
34	2210997258	Tushar Garg	Pisoft Informatics Pvt. Ltd.				
35	2210997266	Vanshika	Artech Infosystems Pvt. Ltd.				
36	2210997270	Varisha Vardhan	FarEye Technologies Pvt. Ltd.				

Brain Teaser

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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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