

# 2022

## Annual Report



Department of Computer  
Science & IT  
DAV College ,Chandigarh

*Department*  
*Of*  
*Computer Science & IT*

# Table of Contents

<b>Title</b>	<b>Page Number</b>
Technical Fest	<b>1-27</b>
IT Exhibition	<b>28-37</b>
Alumni meet	<b>38-48</b>
Achievements of students	<b>49-59</b>
Seminars and Workshops	<b>60-68</b>

# Technical Fest

## *Technovation 2023*

# Technovation 2023

**Technovation 2023** was a one day **inter-college IT Fest** which was organized by the department of Computer Science and IT, DAV College, Chandigarh on 27<sup>th</sup> March,2023. The Fest was organized with the **aim of building and increasing the confidence level of the students, providing them with an opportunity to showcase their creativity, help develop their debugging capabilities, query writing skill, web development and designing skills and stimulate their creative thinking.** Unique and varied set of technical competitive events were organized as a part the Fest.The following 4 competitive events were organized during the IT Fest:

- **Bug-D-Code**
- **Movie Making**
- **Web Mania**
- **SQL Maestro**

The One-day event witnessed participation of over 100 students from various colleges affiliated to Panjab University. The participants exhibited utmost level of passion and spirit of competitiveness.

## Movie Making

A Movie Making competition was organized with the aim of providing students from various colleges with an opportunity to discover and enhance their creative skills as filmmakers and produce amazing content without expensive software's **thereby making it about the person behind the equipment**. Participants were allowed to develop a movie using **Windows Movie Maker** and **Filmora 9** movie making applications.

Participants were required to develop a short film on any one of the following topics:

- **G20 in India**
- **VFX in movies**
- **Digital solutions for homes**
- **AI in healthcare**
- **Aviation sector in India**

Participants came up with **very creative, well edited** and **attention grabbing work of art**, each of which clearly communicated the indented message and enabled judges and audience gather cinematic perspectives of the young generation on wide spectrum of topics which included **healthcare, geo politics** and **futuristic technologies**.

Team of Manav Paul and Gautam from DCSA, PU won the 1st prize for designing a very engaging movie on the use of VFX in the movies.

## SQL Maestro

**SQL Maestro** – A competitive event based on the field of database programming was organized to evaluate the query writing skills of the students and test their knowledge of the various concepts from the field of Database Management. Questionnaire of the competition compromised of 30 questions covering concepts such as **Data Abstraction, Data redundancy, Data Manipulation, Concurrent Access, Data Security etc.**

To test the analytical skills and subjective understanding of the participants, questions were divided into the categories such as **multiple choice question, one word answer questions** and **detailed query response questions**. Around 15 teams participated in the event and showcased their prowess in the field of Database Management. Riya Dutta from DCSA, PU won the first prize, Harshpreet Kaur from DCSA, PU won the second prize while the third prize was won by Gaurav from DAV College, Chandigarh.

## Bug-D-Code

A code debugging event named Bug-D-Code was organized to test the code debugging abilities of the participants in core programming languages C and C++.

Each team was provided with a questionnaire comprising of 25 questions, each containing an error, covering range of topics such as **file handling**, **modular programming**, **automation**, **dynamic memory management** and **decision making**. Participants were required to analyze the code snippets and specify the nature of the error and the statement number where error was present.

15 teams from various colleges competed in the event. Team of Vanshu and Aditya from DAV College, Chandigarh won the first prize, team of Akshit and Brahampreet from DCSA, PU won the second prize while the team of Prabhjot Kaur and Sahibpreet Kaur from DCSA, PU won the third prize.

## Web Mania

A web application designing and development competition was organized with an aim of providing students with a platform where they could unleash their creativity and to actualize their imagination. Besides providing students with a platform, the objective was also to check the abilities of students to implement **interactive features in static website elements**, **designing the interface** and **user experience of a web application**.

Participants were required to develop web application on any one of the following topics:

- **Athletics**
- **Breaking Stereotypes**
- **OTT Platform**
- **Traffic Management using Integrated Control System**

The competition was held under two categories:

**Web Mania for Beginners**: For the students of first year. They were allowed to create web application without data base connectivity

**Web Mania Unleashed**: For students studying in second year and onwards. They were required to create web application with database connectivity.

Participants came up with creative designs and user-friendly interface while covering the content and technological aspects.

Team of Arnav and Rahul from PGGC-46 won the first prize in the Web Mania for Beginners category for designing a website on Athletics while the team of Pursharth Joshi and Rajesh from DAV College, Chandigarh won the first prize in the Web Mania Unleashed category for creating a website on OTT platform.



# *Glimpses :IT Fest*

























# *IT Exhibition*

# IT Exhibition

The department of Computer Science and IT organised an IT-Exhibition on 28<sup>th</sup> march, 2023. The IT exhibition was organized to showcase the best of the projects/applications developed by the students of the department who had previously attended a skill enhancement workshop titled “**App in a Day with powerAPP with Microsoft**” where they were taught and trained to develop applications using an efficient and rapid application development tool PowerAPP. Each student who attended the workshop was required to develop a project/application.

After immense and intense evaluation of all the applications developed by the students who had attended the workshop, six applications were selected for the exhibition. The exhibition also showcased few general projects which were indigenously developed by the students of the department. The application developers were full of enthusiasm and their work impressed and motivated the faculty members and visitors who came to the Exhibition. The faculty members studied the working of each showcased application/project were carefully and highlighted the appreciable coding work of each project to the students visiting the exhibition. Based on their assessment, top 3 projects were selected and their developers were awarded with trophies and certificates.

Respected principal Dr. Pawan Sharma visited the exhibition and applauded the department for organising a practical and a result oriented skill enhancement session and the exhibition. **He also called upon the students to work hard and think out of the box to achieve success in ever evolving application development sector.**

Respected Principal appreciated the efforts of Dr Minakshi Bhardwaj, Head of the department and Prof Simmi Goyal, incharge of the IT Exhibition, for providing students with a platform where they could learn, excel, perform and turn their learning into reality in the form of applications/projects.

# *Glimpses:IT Exhibition*









# *Alumni Meet*

# Virtual Alumni Meet

The Department of Computer Science & IT, DAV College, Chandigarh organized its first ever virtual alumni meet on 15<sup>th</sup> January, 2023. **The alumni meet was organized to reconnect with the alumni, celebrate their success, provide them with an opportunity to share their experiences and inspire others and planning future events in which they will be invited as motivators or resource people.** More than 70 alumni attended the meet.

The alumni meet began with a welcome address by Dr Minakshi Bhardwaj ,Head of the department who **termed the alumni as the ambassadors of the college who have made the institution prouder by their achievements and success.**Dr Minakshi Bhardwaj asserted that a meaningful relationship with alumni is important for the strategic growth and advancement of any department and institution.

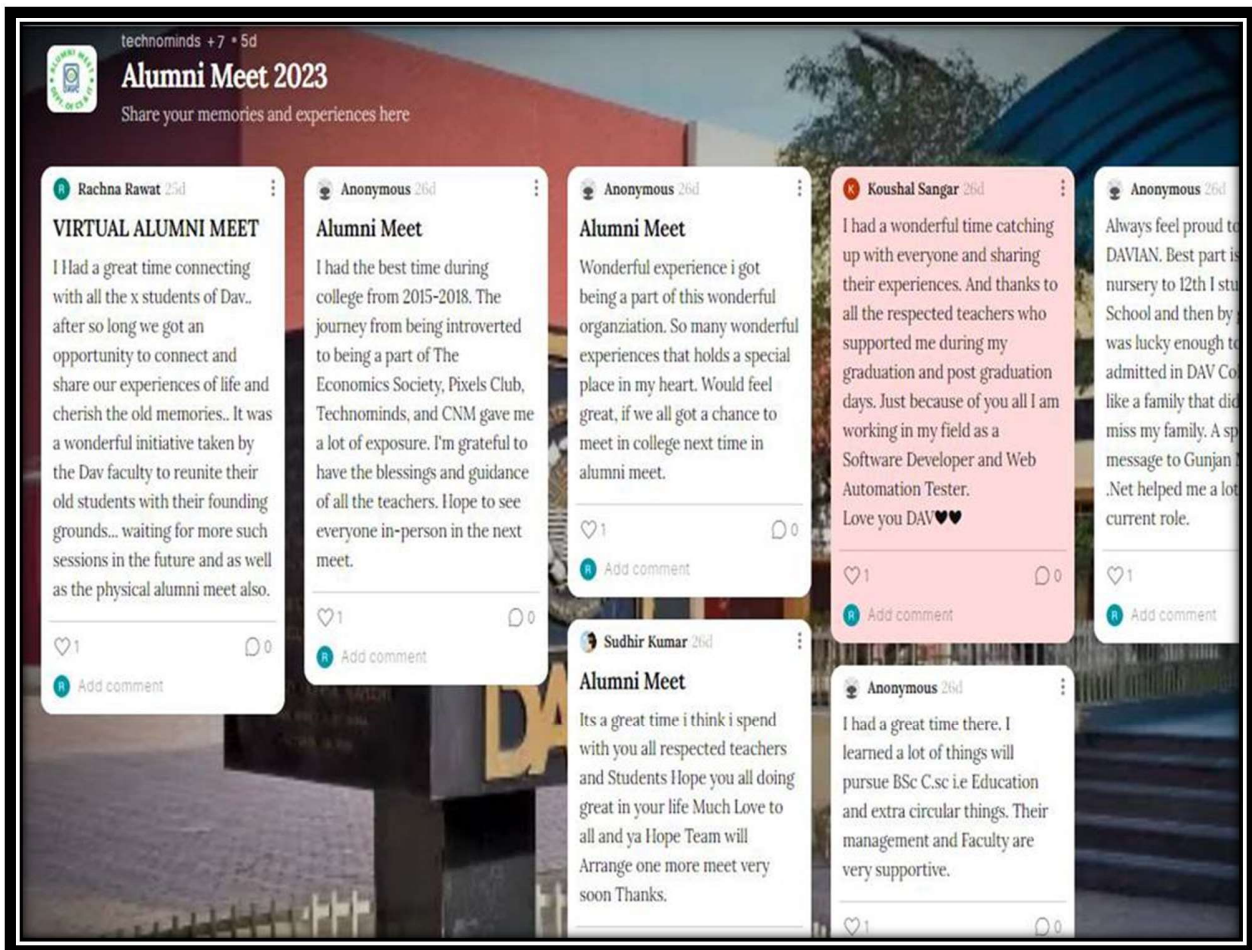
During the course of the meet,alumni shared their memories of the time spent at the college, their bonds of friendship developed during their time at the alma mater and their academic competitiveness with their peers. **The alumni shared their professional experience of their workplace, the technologies being used in the industry and the strategies they follow while dealing with the professional challenges.** The alumni expressed their gratitude to the faculty members for their guidance and support during their time as a student in the college.

To keep the alumni engaged and to ensure that the meet remain interesting , fun games like scribbles and a fun quiz related to the college was also organized during the meet. Alumni had a great time playing the game and also enjoyed participating in the quiz.

An interesting activity titled “**Message Writing**” was also part of the meet ,where the alumni wrote messages on the Pallet board, reminiscing their old days, expressing their gratitude and wishing luck for the students of the college.

**The meet ended on a positive note with the alumni promising to maintain a special relationship and connection with the institution and share their knowledge with students of the department.**

# *Glimpses: Alumni Meet*











*Achievements  
Of  
Students*

## Awards won at Inter college Competitions

The department of Computer Science & IT motivates and encourages students to compete in various intra college and inter college technical, cultural and athletics competitive events with the objective of building confidence of students, developing strong critical thinking abilities and make students exceptional at problem-solving, promote social-awareness and inculcate a sense of responsibility in the students.

In the session 2022-23, students of the department competed both at an individual and team level in various competitions and brought laurels for the department and college. **They won 20 awards in total, after competing in various inter college technical fests.**

<b>First position</b>			
<b>Host College</b>	<b>Event</b>	<b>Winner(s)</b>	<b>Stream</b>
PGGC-11	Extempore	Kusum	BCA I
PGGC-11	IT Quiz	Abhinav Aditya	BCA III BCA II
GCCBA	IT Quiz	Abhinav Aditya	BCA III BCA II
GGs-26	Software Development	Aditya Vanshu	BCA II BCA II
GGs-26	Website Development	Rajesh Pursharth	BCA II BCA II
MCM-36	Website Development	Rajesh Pursharth	BCA II BCA II
MCM-36	IT Quiz	Abhinav Aditya	BCA III BCA II
DAV-10	Web Mania Unleashed	Rajesh Pursharth	BCA II BCA II
DAV-10	Bug-D-Code	Vanshu Aditya	BCA II BCA II
<b>Second position</b>			
<b>Host College</b>	<b>Event</b>	<b>Winner(s)</b>	<b>Stream</b>
PGGCG 11	Debugging	Vanshu Nayan	BCA II BCA II
PGGCG	IT Quiz	Puneet	BSc III

11		Abhinav	BCA III
GCCBA	Debugging	Abhinav Vanshu	BCA III BCA II
GCG-42	Website Development	Tarun Aaryan	BCA I BCA I
PGGC-11	E-Collage	Nisarg Balpreet	BCA I BCA I
PGGC-11	Debugging	Vanshu Nayan	BCA II BCA II
<b>Third position</b>			
<b>Host College</b>	<b>Event</b>	<b>Winner(s)</b>	<b>Stream</b>
GCG-42	Treasure Hunt	Shivam Lakshay	BA I BCA I
GGs-26	Powerpoint Presentation	Kusum Ajit	BCA I BCA I
MCM-36	E-Collage	Nisarg Kusum	BCA I BCA I
PGGCG 11	Web Designing	Ankit Jasminder	BSc-III BSc-III
DAV-10	SQL Maestro	Gaurav	BCA II





## Internships

**Jashanpreet Singh and Abhijeet Singh of BCA-III** were selected by UcodeSoft Solutions Ltd for **an internship based job profile**. They will be undergoing 4 months on the job training in the field of Web Development and on successful completion of the training, will be offered full time job with a package of 2.52 to 3 LPA.

## Placements

The department lays special impetus and focus on providing placement opportunities for the students which can help them in making their future secure and successful. The department works closely in coordination with the training and placement cell of the college and regularly shares information about placement drives being conducted by various organizations, in the official WhatsApp groups of each class. In the session 2022-23, many students were selected by various organizations.

**The selections in major organizations were as follows:**

<b>Name of the Organization</b>	<b>Name of the selected students</b>
<b>Accenture</b>	<b>Suraj Kumar Vivek</b>
<b>Jio Tech</b>	<b>Suraj Kumar</b>
<b>Wipro</b>	<b>Rahul Chopra</b>
<b>Piramal</b>	<b>Suraj Kumar</b>
<b>ICICI Pru</b>	<b>Parvesh</b>



*Seminars*  
*and*  
*Workshops*

The Department of Computer Science & IT organized following two seminars in the session 2022-23:

- **Seminar on Machine Learning & Technology**
- **Career Counseling seminar for graduate students**

## **Seminar on Machine Learning and Technology**

A Seminar on **Machine Learning & Technology** was organized by the department of Computer Science & IT on 23rd February 2023. The seminar was organized in coordination with Plaksha University, Mohali. The resource person for the seminar was Shri Pawan Kumar, Associate Director for the Technology Leaders Program of Plaksha University. He described machine learning **as one of the most exciting areas of technology at the moment and the technology which is set to revolutionize almost any area of human life and work.** He specified that the **biggest advantage of machine learning was that machine learning can review large volumes of data and discover specific trends and patterns that would not be apparent to humans.** Shri Pawan Kumar elucidated the audience about the structure and design of Plaksha Technology Leaders Program. The seminar was extremely useful for **students who wanted to understand fields of AI-ML, have an interest in technology start-ups and entrepreneurship and want to transit into data science, product management and tech leadership roles.**

## **Career Counseling Seminar**

A Seminar on Career Counseling was organized by the department of Computer Science & IT on 24th February 2023. The resource person for the seminar was renowned career counselor and entrepreneur Mr. Sony Goyal, an alumnus of the prestigious Indian Institute of Management, Ahmedabad. He is the founder of Social Organization Prayaas, which serves underprivileged children to get quality education in different parts of the country. Known for his Philanthropic work, he is passionate about his dream of universalizing education in India. The Seminar was organized to prepare students to transit successfully toward a successful future career path.

**Mr. Goyal asserted that to achieve success in life, one needs to constantly build and maintain a positive self-concept, interact positively and effectively with others and should be willing to change and grow throughout life.** He called upon the students to work hard and develop reasoning, logical and quantitative skills as most of the competitive and recruitment examinations lay great impetus on the same.

He motivated the audience by narrating **the experiences of his professional journey in which he has enlightened and motivated more than 1,50,000 students, teachers, professionals so far through 1000 plus seminars on “How to excel in Life and Career” and has founded a unique course to excel in life and career, named IXL.**

Around 100 students attended the seminar and felt extremely motivated and energized to achieve success, name and excellence in life.

*Thanks*