

From Concept to Click: Creating Effective GUI Designs

From Concept to Click: Creating Effective GUI Designs

Organized by:

Institution's Innovation Council (IIC)

in collaboration with the

Department of Computer Science,

Babbar Akali Memorial Khalsa College, Garhshankar

Date: 13th October 2025

Venue: ICT Lab

Objective of the Event

The main objective of this event was to enhance students' understanding of **Graphical User Interface (GUI) Design** and to develop their skills in creating user-friendly, visually appealing, and functional digital interfaces. The session focused on bridging the gap between concept development and design implementation in modern applications.

Event Overview

The Department of Computer Science, in association with the **Institution's Innovation Council (IIC)**, organized an insightful session titled "**From Concept to Click: Creating**

Effective GUI Designs.”

The event was convened by **Asst. Prof. Kamini** and moderated by **Asst. Prof. Navjot Kaur**, under the guidance of **Dr. Ajay Dutta (HOD)** and **Dr. Amandeep Heera (Principal)**.

During the session, students learned the fundamentals of **GUI design principles**, including color theory, layout structuring, typography, and user interaction flow. The event emphasized the role of GUI in enhancing user experience (UX) and its importance in software and app development.

Students also showcased their own GUI design ideas through demonstrations and presentations, displaying creativity and technical skills.

Key Highlights

- Introduction to GUI design principles and modern design trends.
 - Discussion on tools and technologies for GUI development (such as Figma, Canva, and Python Tkinter).
 - Practical examples showing how effective GUI design enhances usability and user engagement.
 - Presentations by students demonstrating prototype designs and creative UI layouts.
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Convenor & Moderator

- **Convenor:** Asst. Prof. Kamini

▪ **Moderator:** Asst. Prof. Navjot Kaur

Outcome of the Event

The event successfully enabled students to understand the importance of design thinking and user interface development in software engineering. Participants gained hands-on exposure to GUI concepts and were motivated to apply these principles in their future academic and project work.

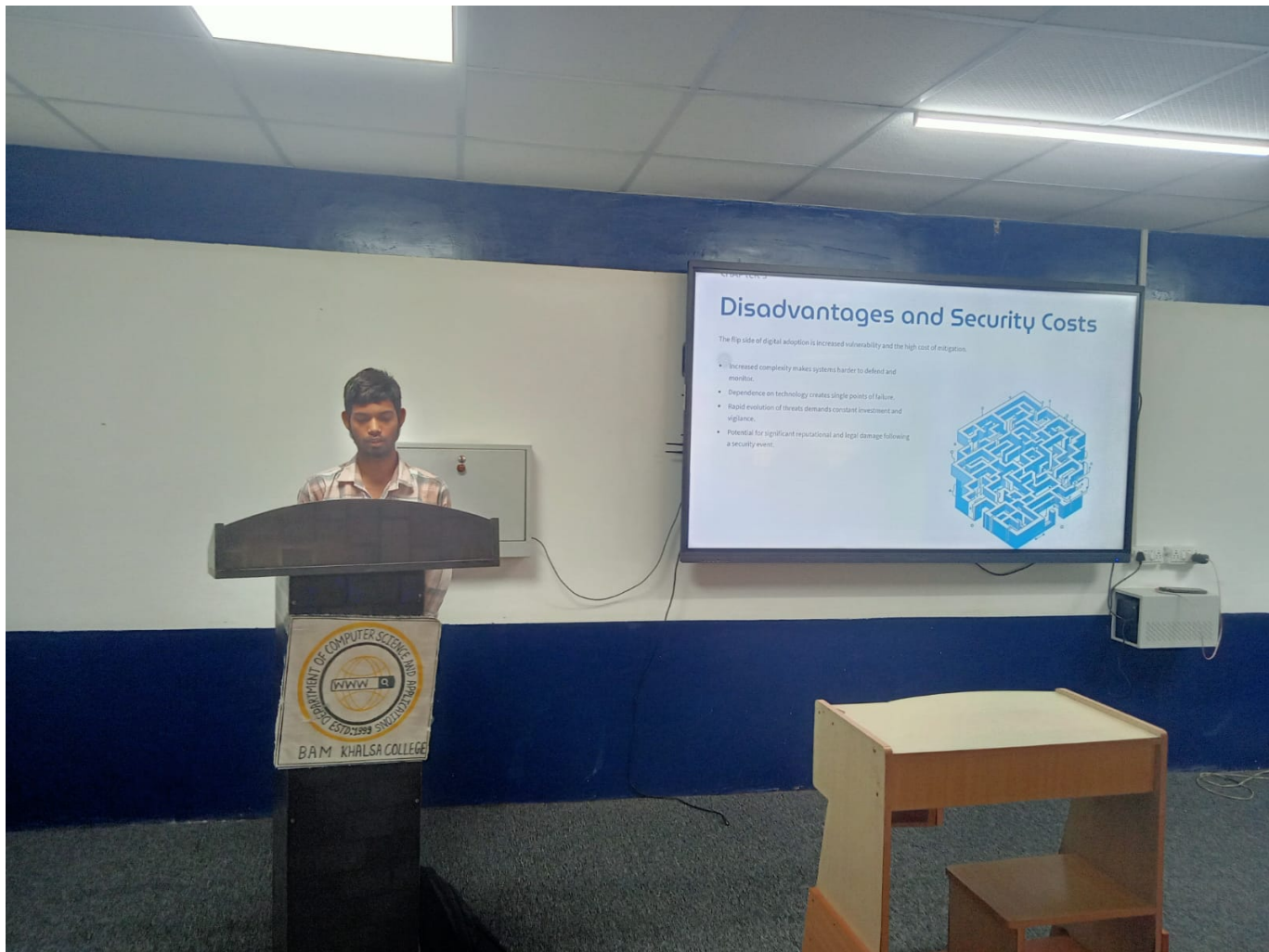
The event also encouraged innovation, creativity, and teamwork among students while aligning with the goals of the **Institution's Innovation Council (IIC)**.

Conclusion

The event "**From Concept to Click: Creating Effective GUI Designs**" proved to be an engaging and skill-oriented session for Computer Science students. It enhanced their technical and creative abilities, preparing them for real-world application design challenges.

The Department of Computer Science continues to organize such activities to nurture innovation, creativity, and practical knowledge among students.






Disadvantages and Security Costs

The flip side of digital adoption is increased vulnerability and the high cost of mitigation.

- Increased complexity makes systems harder to defend and monitor.
- Dependence on technology creates single points of failure.
- Rapid evolution of threats demands constant investment and vigilance.
- Potential for significant reputational and legal damage following a security event.





Digital Empowerment: Transforming India into a Smart Nation

Organized by:

Institution's Innovation Council (IIC)

in collaboration with the

Department of Computer Science,

Babbar Akali Memorial Khalsa College, Garhshankar

Date: 13th October 2025

Venue: ICT Lab

Objective of the Event

The objective of this event was to promote awareness about **Digital Empowerment** and highlight how digital technologies are transforming India into a **Smart Nation**. The session aimed to motivate students to explore digital tools, e-governance platforms, and innovations that contribute to national development through digitalization.

Event Overview

The Department of Computer Science, in collaboration with the Institution's Innovation Council (IIC), organized an event titled "**Digital Empowerment: Transforming India into a Smart Nation.**"

The event was convened by **Asst. Prof. Narinder Jit Kaur** and moderated by **Asst. Prof. Jagjivan Kaur**, under the guidance of **Dr. Ajay Dutta (HOD)** and **Dr. Amandeep Heera (Principal)**.

Students of **BCA 1st Semester** actively participated by preparing and presenting PowerPoint presentations on various themes related to **Digital India, Smart Governance, E-services, Artificial Intelligence in Digital Transformation, and Cyber Security Awareness**.

Each group of students showcased their understanding of how technology is shaping the socio-economic development of India. The presentations reflected creativity, research skills, and awareness of national digital initiatives.

Key Highlights

- PowerPoint presentations by BCA 1st Semester students on digital empowerment themes.
- Discussion on initiatives like Digital India, Smart Cities Mission, and online public service delivery.
- Emphasis on how youth can contribute to India's vision of becoming a **digitally empowered knowledge economy**.
- Interactive session between students and faculty members encouraging critical thinking and innovation.

Convenor & Moderator

- **Convenor:** Asst. Prof. Narinder Jit Kaur
- **Moderator:** Asst. Prof. Jagjivan Kaur

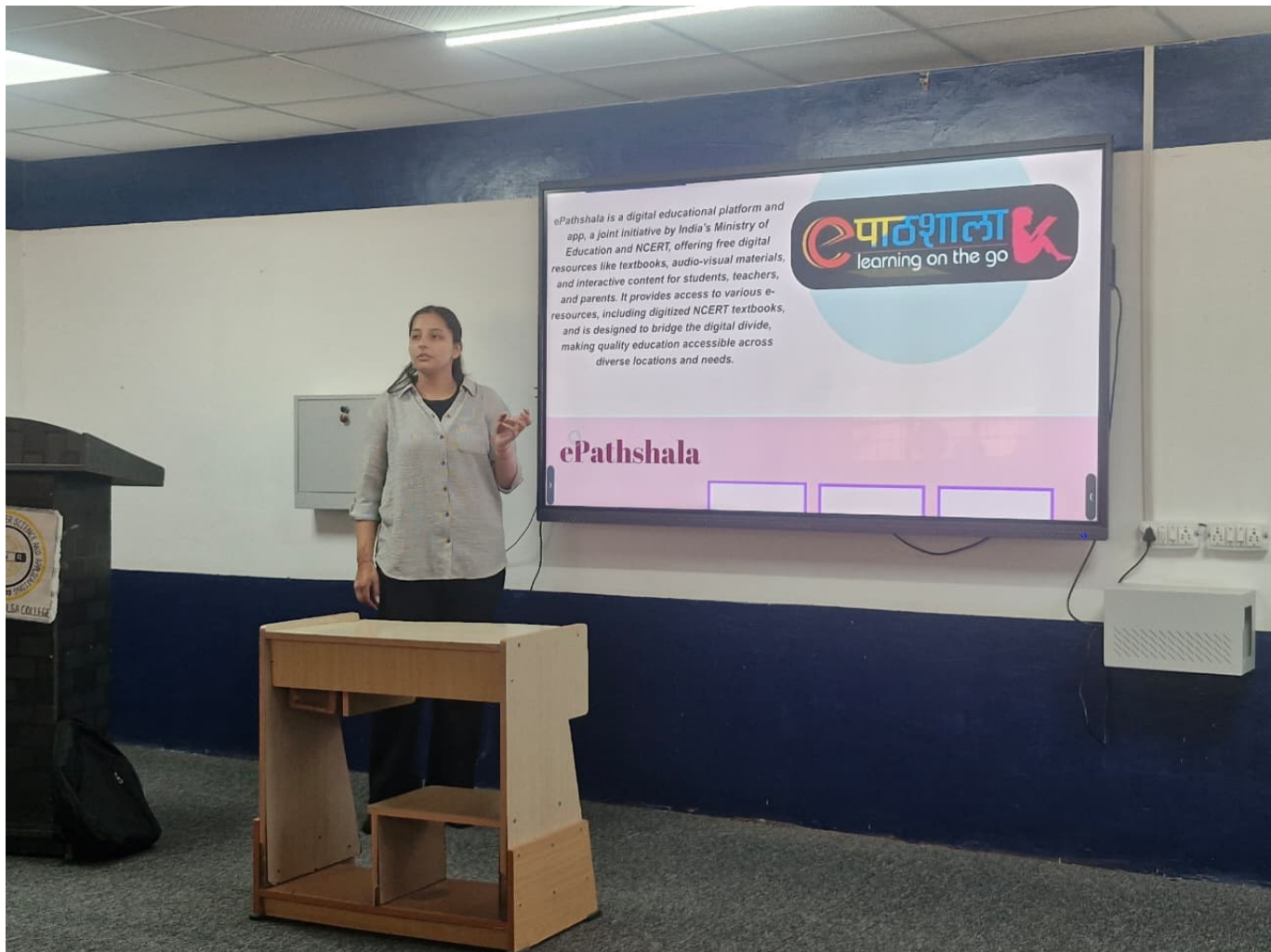
Outcome of the Event

The event successfully enhanced students' understanding of digital transformation and its role in nation-building. It encouraged them to embrace technology not only as a career path but also as a means to contribute to India's growth as a Smart Nation. Students gained confidence in presenting, researching, and collaborating effectively.

Conclusion

The event **“Digital Empowerment: Transforming India into a Smart Nation”** was a great learning experience for the students of **BCA 1st Semester**. It aligned perfectly with the goals of the Institution’s Innovation Council (IIC) by fostering innovation, digital literacy, and entrepreneurial thinking among young learners.







Some
common
use
platform

- 1 Facebook
- 2 YouTube
- 3 Snapchat
- 4 Instagram
- 5 WhatsApp

From Strategy to Success: Using SWOT and AI Tools in Your Startup Journey

Organized by:

Institution's Innovation Council (IIC)

in collaboration with the

**Department of Computer Science, Babbar Akali Memorial Khalsa
College, Garhshankar**

Date: 11th October 2025

Time: 11:00 AM

Venue: ICT Lab

Objective of the Event

The main objective of this event was to enhance students' understanding of how to effectively use SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis and Artificial Intelligence (AI) tools to build, evaluate, and grow their startup ideas. The session aimed to bridge the gap between theoretical business strategy and practical AI-driven decision-making in entrepreneurship.

Event Overview

The session titled "*From Strategy to Success: Using SWOT and AI Tools in Your Startup Journey*" was conducted under the

banner of the Institution's Innovation Council (IIC) in collaboration with the Department of Computer Science. The event provided a platform for students to explore innovative startup strategies through modern analytical tools and AI-based solutions.

The session began with a brief introduction about the significance of innovation and AI in entrepreneurial success. Participants learned how to apply SWOT analysis effectively to assess their startup potential and how to integrate AI tools to gain market insights, optimize business operations, and make data-driven decisions.

Key Highlights

- Discussion on real-world startup challenges and strategic planning.
 - Demonstration of AI tools that can assist in idea validation and market analysis.
 - Guidance on identifying strengths and opportunities for sustainable startup growth.
 - Interactive Q&A session where students discussed their startup ideas and received expert feedback.
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Resource Persons

- **Convenor:** Asst. Prof. Kamini
- **HOD:** Dr. Ajay Dutta
- **Principal:** Dr. Amandeep Heera

Outcome of the Event

The participants gained practical insights into how AI and SWOT analysis can collectively contribute to startup success. The event inspired several students to refine their business ideas and explore entrepreneurship as a viable career path. It also encouraged participants to adopt analytical and technology-based approaches in their future ventures.

Conclusion

The event was a great success, fostering innovation and strategic thinking among the students of the Department of Computer Science. The collaboration between the Institution's Innovation Council and the department successfully fulfilled its objective of promoting entrepreneurial learning through modern tools and frameworks.

Lecture on Artificial Intelligence Tools Delivered at Jalandhar Public School

On 26th September 2025, Dr. Ajay Dutta, President of the Institution's Innovation Council (IIC), Babbar Akali Memorial Khalsa College, Garhshankar, delivered an informative and interactive lecture on Artificial Intelligence (AI) Tools at Jalandhar Public School.

The program was organized under the **leadership of Dr. Amandeep Heera**, Principal, **Babbar Akali Memorial Khalsa College, Garhshankar**. The session aimed to introduce students to the power of AI and its applications in the modern digital world.

During the lecture, Dr. Ajay Dutta discussed various **AI-based tools** that can enhance creativity, productivity, and innovation among students. He also emphasized the importance of **AI literacy** and how it can empower the young generation to prepare for future technological advancements.

The event was graced by the presence of the **Sukhdeep Kaur (Principal) Jalandhar Public School** and **Mr. B. S. Bedi, Incharge of the Atal Tinkering Lab (ATL)**. Both appreciated the efforts of Dr. Dutta and the IIC team of B.A.M. Khalsa College for inspiring students towards innovation and technology-driven learning.

The session concluded with an interactive Q&A, where students enthusiastically participated and expressed their keen interest in learning more about Artificial Intelligence and its real-world applications.

Overall, the program proved to be a great success, fostering awareness and curiosity about AI among school students and motivating them to explore the world of innovation.









Report on Induction Program

Organized by: Department of Commerce & Department of Computer Science,

In Collaboration with: Institutional Innovation Cell (IIC) & Business Students Association (BSA),

Venue: Commerce Department Seminar Hall,

Date: 20 August 2025

Introduction

The Department of Commerce and the Department of Computer Science, in collaboration with the Institutional Innovation Cell (IIC) and the Business Students Association (BSA), organized an **Induction Program** for the first-year students of **B.Com., B.C.A., and M.Com.** on **20 August 2025** at Babbar Akali Memorial Khalsa College, Garhshankar.

The purpose of the induction program was to welcome the new students, familiarize them with the institutional environment, and provide insights into academic, cultural, and entrepreneurial opportunities available at the college.

Program Highlights

1. Welcome Address:

The event commenced with a warm welcome to the freshers, where the faculty members introduced the vision, mission, and values of the institution.

2. Introduction to IIC and BSA:

- Faculty coordinators briefed the students about the Institutional Innovation Cell (IIC) and its role in promoting entrepreneurship and innovation.
- The Business Students Association (BSA) was introduced as a platform to enhance business acumen, leadership, and collaborative learning.

3. Departmental Orientation:

- Faculty members from both the Commerce and Computer Science departments highlighted the curriculum structure, extracurricular activities,

and career opportunities.

- Students were encouraged to actively participate in departmental clubs and societies.

4. Inspirational Guidance:

- **Prof. Kanwar Kulwant Singh** addressed the gathering and inspired the students to work with dedication, discipline, and innovation. He emphasized the importance of holistic development and urged students to make the best use of resources provided by the college.
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Outcomes of the Program

- Students gained awareness about institutional facilities, departmental activities, and support systems.
 - The program helped freshers transition smoothly into their new academic journey.
 - Students were motivated to engage in innovation, entrepreneurship, and co-curricular activities.
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Conclusion

The **Induction Program** for the first-year students of **B.Com.**, **B.C.A.**, and **M.Com.** proved to be a successful and enriching initiative. It provided the newcomers with a clear understanding of the college environment and instilled a sense

of belonging. With the active support of IIC, BSA, and both departments, the event laid a strong foundation for the students' academic and professional growth.



**Babbar Akali Memorial Khalsa
College Garhshankar**

INDUCTION PROGRAM

for the first year students of

B.Com., B.C.A. & M.Com.

Dated: 20 August 2025

**Under the aegis of Institutional
Innovation Cell (IIC) &
Business Students Association (BSA)**

**Department of Commerce and
The Department of Computer Science**

**Dr. Amandeep Heera
Principal**

World Entrepreneurs' Day Celebration

Report on World Entrepreneurs' Day Celebration

Organized by: Department of Computer Science and Applications,

In Collaboration with: Institution's Innovation Council (IIC),
Venue: ICT ROOM, B.A.M. Khalsa College, Garhshankar Date:
21/8/2025

Introduction

The Department of Computer Science and Applications, in collaboration with the Institution's Innovation Council (IIC), celebrated World Entrepreneurs' Day with great enthusiasm and zeal. The event aimed to encourage students to embrace entrepreneurial thinking, foster innovation, and develop leadership qualities essential for the startup ecosystem.

World Entrepreneurs' Day is dedicated to recognizing and appreciating entrepreneurs, innovators, and startup founders who contribute to the growth of the economy and inspire future generations to pursue innovation-driven ventures.

Objectives of the Event

- To create awareness among students about the importance of entrepreneurship.
- To highlight the role of innovation in solving real-world problems.
- To motivate students to develop business ideas and explore startup opportunities.
- To provide a platform for interaction with resource persons, mentors, and peers.

Event Highlights

1.

Inaugural Session:

oThe event commenced with a welcome address by Prof. Navjot Kaur, highlighting the importance of entrepreneurial spirit in today's digital age.

2.Guest Lecture / Expert Talk:

o A keynote session was delivered by Prof. Jagjivan Kaur on the theme "Innovation and Entrepreneurship in the Digital Era".

o The speaker shared inspiring insights on startup journeys, challenges, and success strategies.

3.Student Activities:

o Idea Pitching Competition: Students presented innovative startup ideas addressing social, technological, and economic challenges.

o Interactive Q&A Session: Students actively participated by asking questions related to entrepreneurship, funding, and innovation strategies.

4. Closing Remarks:

o The event concluded with a vote of thanks by Dr. Ajay Dutta appreciating the efforts of the organizing team, resource persons, and student participants.

Outcomes of the Celebration

- Students gained valuable knowledge about entrepreneurship and innovation.
- Participants were motivated to work on their own business ideas and startup projects.
- Strengthened the collaboration between the Computer Science Department and IIC for future entrepreneurial initiatives.

Conclusion

The celebration of World Entrepreneurs' Day served as an inspiring and engaging platform for the students of the Department of Computer Science and Applications. With the support of IIC, the event not only raised awareness but also nurtured the spirit of entrepreneurship among students. It was a successful initiative towards fostering innovation and building a culture of startups in the institution.



**WordPress Bootcamp Organized
by Institution's Innovation
Council (IIC) & Department of**

Computer Science

Day 1 Report –

Organized by: Babbar Akali Memorial Khalsa College, Garhshankar

In Collaboration with: Institution's Innovation Council (IIC) & Department of Computer Science

Date: 28th July 2025

Time: 11:00 AM to 1:00 PM

Venue: ICT Lab

Speaker: Dr. Ajay Dutta

Principal: Dr. Amandeep Heera

Introduction:

The Department of Computer Science, in collaboration with the Institution's Innovation Council (IIC), organized the first day of a hands-on **WordPress Bootcamp** on **28th July 2025**. The objective of this bootcamp is to train students in building and managing professional websites using the WordPress platform.

Session Highlights:

▪ **Welcome Address:**

The session commenced with a warm welcome to the participants and a brief introduction about the bootcamp's purpose and expected outcomes.

▪ **Speaker Session – Dr. Ajay Dutta:**

Dr. Ajay Dutta started the session with an overview of web development and the importance of WordPress in modern website creation. He highlighted:

- Introduction to Content Management Systems (CMS)
- Why WordPress is the most widely used CMS

- Real-world applications and career opportunities
- **Hands-on Training:**
Participants were guided through:
 - Setting up a local WordPress environment using XAMPP
 - Installing WordPress
 - Exploring the WordPress Dashboard
 - Understanding themes, plugins, and widgets
- **Interactive Q&A:**
The session concluded with a Q&A where students enthusiastically asked questions related to theme customization and plugin installation.

Feedback:

Students expressed excitement about learning real-world skills. The hands-on approach was especially appreciated. Many participants set up their first WordPress site by the end of the session.

Conclusion:

The first day of the bootcamp was a resounding success, setting a strong foundation for the coming sessions. Participants left with enthusiasm and curiosity to explore more advanced WordPress functionalities in the following days.

Business Plan Competitions for YUKTI Innovation Repository

IP Week Celebration

MIC Driven Activity: IP Week Celebration

Quarter 3 | Semester 2 | Theme: Intellectual Property Rights (IPR)

Date: 21st – 26th April 2025

Mode of Conduct: Hybrid (Online/Offline)

Participants: 45 students (online/offline), 12 faculty members

Objective of the Event

The IP Week aimed to raise awareness about various aspects of Intellectual Property Rights among students and faculty. Through expert-led sessions, the event educated participants about the importance of patents, copyrights, trademarks, and design registrations, and how IP fosters innovation and protects original ideas.

Session-wise Details

Day 1: 21st April 2025

Title: *Inauguration of IP UTSAV and Celebration of World Creativity and Innovation Day*

Time: 11:30 AM – 01:00 PM

Key Points:

- Official opening of IP Week.
- Emphasis on the role of creativity in IP generation.
- Call for innovation-driven education culture.

Day 2: 22nd April 2025

Title: *Masterclass on Patents and Design Registration*

Key Points:

- Explained the patent filing process and design protection mechanisms.
- Encouraged faculty and students to create patentable projects.
- Shared best practices for drafting and submission.

Day 3: 23rd April 2025

Title: *Masterclass on Copyrights – “Copy That!”*

Key Points:

- Difference between plagiarism and copyright infringement.
- Importance of copyright registration for digital content and academic material.
- How to protect original works.

Day 4: 24th April 2025

Title: *Masterclass on Trademarks and Geographical Indications – “Mark the Spot!”*

Key Points:

- Role of branding and trademarks in business.
- Explanation of GIs in protecting local/regional products.
- Steps to register a trademark.

Day 5: 25th April 2025

Title: *Significance of IP Protection and Commercialization*

Key Points:

- Real-life examples of IP monetization.
- Need for institutional IP policies.
- Importance of converting ideas into products.

Day 6: 26th April 2025

Title: *Patent to Product (Srujanta Se Samruddhi)*

Key Points:

- Roadmap from innovation to market-ready products.
- Collaboration with industry partners for commercialization.
- Tools and schemes provided by AICTE and MIC for support.

Participation Overview

- Total Students: 45 (Hybrid Mode)
- Faculty Members: 10

Key Outcomes

- Enhanced understanding of IP concepts across the student and faculty body.
- Encouraged participants to pursue IP registration for

their innovative projects.

- Sparked discussions on forming an IP Cell within the institution.
- Promoted MIC's IP resources including the YUKTI Repository and KAPILA initiative.





MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

Intellectual Property UTSAV

IP and music: Feel the beat of IP

21st April - 26th April 2025

Certificate of Participation

This Certificate is awarded to

Gurjinder Kaur

For successfully participating in the Masterclass Series under IP Utsav, organized virtually by the All India Council for Technical Education (AICTE) and Ministry of Education's Innovation Cell(MIC) from 21st April to 26th April 2025.

Prof. T. G. Sitharam
Chairman, AICTE
Ministry of Education

Dr. Abhay Jere
Vice Chairman AICTE &
Chief Innovation Officer (CIO),
Ministry of Education



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

Intellectual Property UTSAV

IP and music: Feel the beat of IP

21st April - 26th April 2025

Certificate of Participation

This Certificate is awarded to

Deepika

For successfully participating in the Masterclass Series under IP Utsav, organized virtually by the All India Council for Technical Education (AICTE) and Ministry of Education's Innovation Cell(MIC) from 21st April to 26th April 2025.

Prof. T. G. Sitharam
Chairman, AICTE
Ministry of Education

Dr. Abhay Jere
Vice Chairman AICTE &
Chief Innovation Officer (CIO),
Ministry of Education





Participation in “Udyamotsav 2025”

Report on Participation in “Udyamotsav 2025”

On the Occasion of National Startup Day and National Startup Week

Date: 16th January 2025

On 16th January 2025, members of the Institution’s Innovation Council (IIC) of B.A.M. Khalsa College, Garhshankar, actively participated in the MIC-driven activity “Udyamotsav 2025”, organized by MoE’s Innovation Cell in collaboration with AICTE, Government of India. The event was a part of the celebrations for National Startup Day, aiming to encourage and

promote innovation, entrepreneurship, and the spirit of startups across the nation.

Event Highlights:

The event was held on a grand scale and featured an esteemed lineup of speakers and dignitaries. It was graced by the presence of **Prof. T. G. Sitharam**, Chairman of AICTE, who delivered an insightful keynote address emphasizing the pivotal role of startups in driving India's economic and technological progress.

Objectives of the Event:


- To recognize innovative minds and entrepreneurial talent across the country.
- To celebrate the spirit of startups and innovation as catalysts for socioeconomic growth.
- To foster collaboration among educational institutions, industries, and startups.

The participating members of the Institution's Innovation Council gained valuable knowledge and exposure to the dynamic landscape of entrepreneurship and innovation in India.

Via webex by CISCO

Dr. Elangovan Mini...

Eligibility Requirements to avail Funding



- Minimum 5 members in KAPILA Committee approved by HOI
- Patents should be filed 1st January 2024 Onwards
- Filing fee receipt and Examination Fee receipt required
- Statement of Expenditure & Minutes of meetings
- 12 Digit application number matching with receipts provided

MINISTRY OF INNOVATION CELL GOVERNMENT OF INDIA


Patent to Product (सृजंता से समृद्धि)

Via webex by CISCO

Dr. Dara (Head TTO...)

Technology Transfer: Process

You are sharing your entire screen. Stop Sharing



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    graph TD
      A[Preliminary Inventor Interactions] --> B[IDF Submission and discussion]
      B --> C[Preliminary Technology Evaluation]
      C --> D[IP position Assessment]
      D --> E[IP selection and Filing]
      E --> F[Team Meeting Inventor Attorney Firm]
      F --> G[Two activities IP Filing TTO Licensing]
      G --> H[Licensing Strategies and Marketing plan]
      H --> I[Industry Outreach and Lead Generation]
      I --> J[BATNA negotiation and Term Sheet acceptances]
      J --> K[License Agreement Execution]
      K --> L[Post Licensing Monitoring]
  
```

MINISTRY OF INNOVATION CELL GOVERNMENT OF INDIA

Patent to Product (सृजंता से समृद्धि)