

# SCHOOL OF COMPUTER APPLICATIONS

**BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY**

Bathinda

## The Digital Pulse **Newsletter**

Vol-I(Aug-Sep, 2025)



### **VISION**

To be a center of excellence in computer education and research, producing professionals with strong technical skills, ethical values, and a commitment to lifelong learning to meet global challenges in the field of Information Technology.

### **MISSION**

1. To impart quality education in the field of Computer Applications through a well-structured curriculum, practical learning, and industry exposure.
2. To enhance analytical, programming, and problem-solving skills through hands-on training and real-world project work.
3. To inculcate professional ethics, effective communication, and teamwork among students to serve the society and industry responsibly.
4. To promote a research-oriented mindset and encourage innovation, entrepreneurship, and lifelong learning.
5. To build strong industry-academia collaboration for internships, placements, and skill development.

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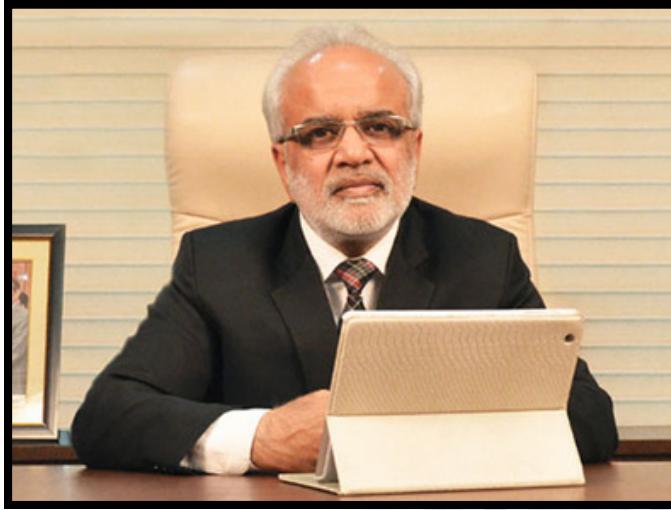
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##### **Designer**

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## Message from the Chairman



It gives me immense pleasure to know that the School of Computer Applications, Baba Farid College of Engineering and Technology, is launching its Bi-Monthly Newsletter. This initiative marks a significant step towards fostering a culture of knowledge sharing, innovation, and continuous learning among students and faculty.

In today's fast-evolving digital world, communication and collaboration are key to success. This newsletter will serve as a vibrant platform for showcasing academic achievements, research endeavors, creative ideas, and departmental activities. I am confident that it will inspire students to think beyond classrooms and contribute meaningfully to the ever-growing field of technology.

I congratulate the editorial team and the entire department for this commendable initiative and wish them great success in making this newsletter a source of pride for the institution.

Warm regards,

Dr. Gurmeet Singh Dhaliwal  
Chairman, Baba Farid Group of Institutions

## Message from the Campus Director



It is indeed heartening to see the School of Computer Applications taking the initiative to launch a Bi-Monthly Newsletter. Such efforts play a vital role in strengthening academic engagement, promoting innovative thinking, and highlighting the diverse achievements of students and faculty.

A departmental newsletter not only reflects the progress and vision of an academic unit but also encourages a sense of belonging and motivation within the learning community. I am certain this publication will become an excellent medium for sharing ideas, success stories, and upcoming opportunities in the field of computer applications and allied domains.

I extend my best wishes to the Head of School, faculty members, and the editorial team for their dedication and creativity in bringing this initiative to life.

Best wishes,

Dr. M.P. Poonia

Campus Director, Baba Farid Group of Institutions

## Message from the Head, School of Computer Applications



I am delighted to present the inaugural issue of the Bi-Monthly Newsletter of the School of Computer Applications, Baba Farid College of Engineering and Technology. This publication reflects our commitment to academic excellence, innovation, and holistic student development.

The newsletter aims to capture the essence of departmental activities—academic highlights, student and faculty achievements, research initiatives, and events that define our vibrant learning environment. It is also a platform for our students to express their ideas, share experiences, and enhance their creative and technical writing skills.

I take this opportunity to thank our Hon'ble Chairman, Dr. Gurmeet Singh Dhaliwal, and Respected Campus Director, Dr. M.P. Poonia, for their constant guidance and encouragement. I also appreciate the editorial team for their sincere efforts in making this initiative possible. I look forward to witnessing this newsletter grow into a valuable record of our journey and achievements.

Dr. Manish Bansal  
Head, School of Computer Applications  
Baba Farid College of Engineering and Technology

## Skill Development and Digital Literacy Centre (SDDLDC)

The School of Computer Applications has proudly established the Skill Development and Digital Literacy Centre (SDDLDC) this year, with the vision of nurturing students for overall growth and industry readiness. The Centre is committed to enhancing both technical expertise and soft skills by offering certificate courses, internships, training programs, and placement support. It also encourages innovation and creativity through entrepreneurship initiatives, technical talks, and hands-on workshops.

To bridge the gap between academia and industry, SDDLDC will organize industrial visits and foster strong collaborations through MoUs with renowned companies. The Centre also aims to set up Centers of Excellence, focusing on Data Analytics and IT for Society, to provide students with exposure to cutting-edge technologies and social applications of IT. With its focus on digital literacy, professional skills, and personality development, SDDLDC aspires to create future-ready professionals, well-equipped to excel in today's competitive world.

## From Idea to Intellectual Property: Understanding the Patent Publication



The Research Club, School of Computer Applications organized a lecture titled “From Idea to Intellectual Property: Understanding the Patent Publication”, delivered by Dr. Vivek Sharma(Head, IPR Cell, BFGI). The session aimed to guide students, faculty, and researchers on transforming innovative ideas into legally protected intellectual property. A welcome address by the Research Club coordinator, followed by an introduction of Dr. Sharma.

Dr. Sharma explained the fundamentals of intellectual property rights, focusing on patents, their types, and eligibility criteria. He detailed the procedural steps of patenting, including drafting specifications, claims, filing, examination, and publication. Strategic aspects such as prior art searches, responding to office actions, and timelines from filing to grant were also discussed. Case studies highlighting both successful and challenging patent journeys were presented for practical understanding. A key segment covered patent publication, its timing, and its impact on enforceability. The lecture concluded with a Q&A session addressing queries on software patents, national vs. international filing, costs, and timelines. Participants provided positive feedback, noting that the session enhanced their understanding and confidence in pursuing intellectual property protection.

## MoU Milestone: BFGI and MAAC for Next-Gen Skills



The School of Computer Applications, Baba Farid Group of Institutions (BFGI) Bathinda, through its Skill Development and Digital Literacy Centre (SDDLDC), signed a significant Memorandum of Understanding (MoU) with the Maya Academy of Advanced Cinematics (MAAC) on 17th September 2025. The MoU aims to provide industry-oriented training, professional certification programs, and placement opportunities for students in animation, multimedia, VFX, gaming, entertainment technology, and digital marketing. This strategic collaboration is designed to bridge the gap between academic learning and industry requirements, thereby ensuring that students acquire the essential knowledge, creativity, and technical skills needed to thrive in the rapidly evolving digital economy.



On this occasion, Mr. Navpreet Singh Sidhu, Managing Director, MAAC Bathinda, was honored by Dr. Manish Bansal, Principal Baba Farid College & Head, School of Computer Applications. Sharing his views, Dr. Manish Bansal stated that the partnership with MAAC will enrich students with hands-on training, digital expertise, and practical exposure, complementing academic learning with real-world applications. He further emphasized that the initiative is aligned with BFGI's vision of producing industry-ready professionals who can meet the demands of the digital era.

## Appointment of Student Interns under Earn While Learn Policy at SDDLDC

The Skill Development and Digital Literacy Centre (SDDLDC), School of Computer Applications, Baba Farid Group of Institutions (BFGI), Bathinda, has proudly appointed student interns under the Earn While Learn policy of BFGI. This initiative reflects BFGI's continuous commitment to nurturing young talent, fostering self-reliance, and empowering students with opportunities to gain both knowledge and financial independence during their academic journey.



**Vikas Kumar**  
(BCA Sem V)



**Devansh Jindal**  
(BCA Sem V)



**Guninder Singh**  
(BCA Sem V)



**Sonia**  
(BCA Sem V)

## Digital Udaan



The School of Computer Applications, BFGI has taken a noteworthy step toward empowering youth by launching the Centre of IT for Society under its flagship initiative Digital Udaan. This center is dedicated to spreading awareness about the role of Information Technology (IT) and Artificial Intelligence (AI) in today's fast-evolving world. The primary objective of this initiative is to equip students with knowledge about the scope, applications, and opportunities in IT and AI, while also highlighting their transformative impact on careers and society. Through structured sessions, students will be motivated and guided to understand how these technologies are shaping industries and redefining the future of work.

A distinctive feature of this program is its continuity—it will run throughout the year, ensuring sustained learning and exposure for participants. Moreover, the initiative is being offered completely free of cost for school students, making it accessible to all students. At the end of the sessions, participants will also be awarded certificates of participation, adding value to their academic and professional profiles.

## Certificate Courses for Skill Enhancement of Students

The Skill Development and Digital Literacy Centre (SDDLDC), School of Computer Applications, Baba Farid Group of Institutions (BFGI), Bathinda, has launched a series of Certificate Courses designed to equip students with practical skills aligned with industry demands. These programs are being coordinated with the active support of student interns, under the guidance of faculty members.

The newly introduced courses include:

- **AI & Tools** – covering the essentials of Artificial Intelligence and practical applications of AI tools for productivity and innovation.
- **Graphics Design Essentials with Photoshop and Generative AI** – focusing on digital design, image editing, and the creative use of generative AI tools.
- **Web Application Development** – providing knowledge of web technologies and frameworks to build interactive, professional web applications.

The initiative emphasizes peer learning by involving student interns as trainers, allowing participants to gain confidence, improve teamwork, and develop collaborative skills. The launch of these courses reflects BFGI's commitment to practical, skill-oriented education and its mission to prepare students for emerging opportunities in technology and digital innovation.

## NSS Unit, BFCET Concludes 7-Day Special Camp with Service & Spirit



The NSS Unit of BFCET Bathinda successfully organized a 7-Day Special Camp from 9th to 15th September 2025 at village Deon and BFGI campus. The camp featured activities promoting community service, fitness, and social responsibility. Each day began with yoga and physical training, instilling discipline and wellness among volunteers. Major highlights included a cleanliness and awareness rally, drug de-addiction campaign, tree plantation drives, and Gurdwara Sewa. Interactive sessions on self-defense and yoga by Fitness Instructor Mr. Shakti empowered students with strength and resilience. An online plantation drive and intergenerational yoga sessions further strengthened environmental awareness and family bonds. The camp also featured sports events, cultural programs, and motivational talks to inspire youth participation. The closing ceremony included prize distribution, cultural performances, and certificates for active volunteers. Special honors were awarded to Ms. Anoor Kamal (BCA 3rd Sem) and Mr. Seban Singh (BBA 3rd Sem) as Best Volunteers. The camp was coordinated under the able guidance of Ms. Sukhjinder Kaur (NSS Coordinator), ensuring its grand success in the true spirit of the NSS motto: "Not Me, But You."

## Next Step: Career Guidance Session

The Career Counselling Cell of the School of Computer Applications, BFGI organized an interactive session for BCA Final Year students to provide them with valuable insights into their future career opportunities by Ms Ramandeep Kaur Rakhra.

### Objective of the Session:

- To guide students about various career paths available after completing BCA.
- To provide information on higher education opportunities such as MCA and other PG programs.
- To create awareness about placement avenues in IT and related industries.
- To motivate students to plan their career goals effectively.



## MARGDARSHAN'25: Induction Program



The School of Computer Applications, BFGI, organized the Induction Program MARGDARSHAN'25 for the newly admitted students of the 2025–26 batch. The program commenced with a warm welcome address by Dr. Manish Bansal, Head, School of Computer Applications. Students were introduced to the vision, mission, and facilities of BFGI, setting the foundation for their academic journey. The Skill Development & Digital Literacy Centre elaborated on opportunities available for students, including soft skills, technical training, and overall personality development.

The examination system, covering Mid-Semester Tests (MSTs) and end-semester evaluations, was explained in detail. Students were also informed about various certificate courses in emerging technologies to enhance their professional competencies. Guidance on competitive exam preparation was provided to encourage students to aim for higher academic and career goals. The NSS Unit inspired students to actively participate in community service and leadership activities, while the placement efforts of the institute were highlighted, showcasing career support and industry connections. The program concluded with an interactive session, where students shared feedback and clarified their queries. Overall, MARGDARSHAN'25 created a positive and motivating start, inspiring students to excel in both academics and professional development.



## BCA & MCA at BFGI | Unlock Your Future in Information Technology & Innovation



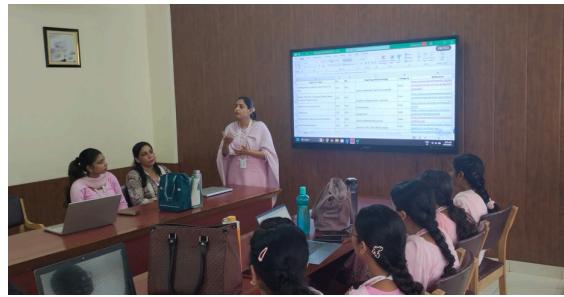
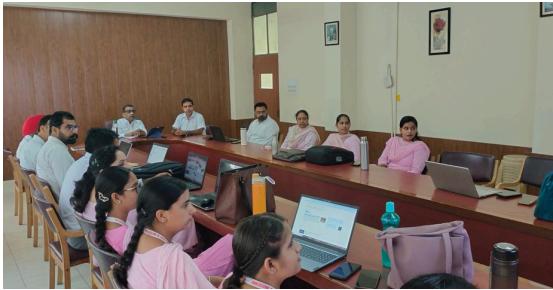
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## Innovative Teaching Practice Workshop



The School of Computer Applications successfully organized a two-day workshop aimed at redefining teaching practices and equipping faculty with innovative, future-ready approaches to education. The workshop focused on empowering educators with skills in lesson planning mastery, modern teaching methodologies, creative pedagogy, and interactive learning strategies. Faculty members were guided to design structured and impactful lesson plans, adopt student-centric and innovative methods, and integrate real-world applications to make learning more meaningful. Emphasis was also placed on fostering collaboration and critical thinking through interactive techniques. As part of the workshop, every faculty member presented their lesson plan and demonstrated one selected topic using next-generation pedagogy methods. This initiative marks an inspiring step towards aligning with the vision of NEP 2020, promoting skill-based learning, and achieving excellence in 21st-century education.

## Fostering a Research-Oriented Mindset in Students

To foster a strong research culture among students, the School of Computer Applications has encouraged them to undertake research paper writing for conferences –an essential skill in today’s academic and professional landscape.

With the dedicated guidance of faculty mentors, a total of 90 students from the Bachelor of Computer Applications (BCA) and Master of Computer Applications (MCA) programme have achieved a remarkable milestone by publishing 30 research abstracts in the conference proceeding of BICON -2025 , Biyani Group of Colleges Jaipur.

This achievement reflects not only the research potential and academic commitment of both undergraduate and postgraduate students but also highlights the role of effective mentorship and institutional support in nurturing scholarly excellence. Such participation strengthens students’ academic profiles, promotes a culture of critical inquiry, and significantly enhances the reputation of the department and institution. Furthermore, it equips students with valuable experience for future research endeavors, collaborative projects, and career opportunities in both academia and industry where research and publications are highly regarded.



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