



# **BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY**

Muktsar Road, Bathinda-151001, Punjab (INDIA)

(Approved by AICTE, New Delhi and Affiliated to Maharaja Ranjit Singh Punjab Technical University, Bathinda)

Contact : 0164-2786041, 95011-15401

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## **ANNUAL REPORT**

**For**

**(Academic Year 2021 – 2022)**

  
Principal

Baba Farid College of Engineering & Technology  
BATHINDA.



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## BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY BATHINDA

### Annual Report 2022

Baba Farid College of Engineering & Technology Bathinda was established in 2008 and imparting education in the fields of undergraduate programme of Bachelor of Technology in the disciplines of Computer Science & Engineering, Electronics & Communication Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering & Postgraduate programme of Master of Technology in CSE with an experienced, qualified and dedicated.

The College is organized Student Induction programmer for the newly admitted students. Now unfold gathering the annual report of the College under scoring the major activities of the academic year 2021-22.

Dr Raghavendra P. Tiwari, Vice Chancellor Central University of Punjab, Bathinda. Tiwari also served as the Vice-Chancellor in Dr Hari Singh Gour University, Sagar M.P, is Chief Guest of the day.

Dr Raghavendra P. BFCET has played a seminal role in providing Best technical knowledge among the students from the last thirteen years. BFCET faculty works with distinct goals to outline the students' all -round personality. They try to apprise the students with both worldly and unworldly values by being their mentors from the start to the completion of their courses. Through their efforts we have proved our mettle by creating new frontiers of excellence and ethical standards.

BFCET signed new MoUs with many major organizations this year-Some prominent ones are:

MoU with All-India Institute of Medical Sciences Bathinda

MoU with Step2gen Technologies Pvt. Ltd, Mohali.


MoU with Anvi am Solutions Pvt. Ltd, A-45, Quark Atrium, Industrial Area Phase-8B, and Mohali

MoU with outsmarts Infotech Pvt Limited, Netsmart House Sebiz Infotech, Sebiz Square, IT - C6, Sector 67, Mohali

MoU with Infowiz Software Solution Chandigarh

MoU with Merla Wellhead Solutions, 706 Honea Egypt Rd, Magnolia, Texas, USA

MoU with Festo India Pvt. Ltd Bengaluru

  
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MoU with Magma Research and Consultancy Services Ambala, Haryana

MoU with Ducat India Pvt Ltd Noida

The Institute has kept pace with the changing world and has been the pioneering spirit behind many innovations in the field of education thus acquiring a well-deserved reputation in academics, sports and co-curricular activities. We at BFCET have persistently strived to seamlessly mesh together research and teaching since one without the other is incomplete. Therefore, we have ensured the development of a collaborative environment conducive to learning, exposure to the best international practices and promotion of innovation and creativity. The Institute organized 4 International Conferences in the year 2021. We had International Conferences on various contemporary themes organized by different departments **-Emerging Technologies For Computing Communication and smart cities (ETCCS-2021)(August21-22, 2021)**. The deliberations in all the conferences resulted in a substantial exchange of knowledge between academia, industrialists, and policymakers. The Institute also conducted numerous webinars, workshops, training sessions, FDPs, panel discussions, guest lectures, etc. for the enrichment of academics well as students. We had webinars on various topics organized by different departments- **Webinar on CRIP in India (8- october-2021), workshop on Capacity development in collaboration with JK Cement and National Education policy (NEP)**.

BFCET always organized various Professional Development and Administrative programs for Teaching and Non-Teaching staff members. In this year Institute organized **SDP's on Microsoft office , SDP on Human values and Professional Ethics** . Also organized **Administrative Training Programs on classroom learning management system using Coll poll**.

Excellence in academics is the hallmark of any good institution. Last year has been a pleasing year for BFCET in terms of the academic achievements. Our students have shown an excellent performance and secured centum results in the University end term examinations. We feel delighted to mention that more than 30 students who got above 85% marks in B. tech from BFCET It is matter of immense pride that our students are shining in annual end term examinations.

To enable the students to feel enthused, empowered and ready for facing the challenges posed by the outside world, BFCET continuously strives to deliver a Skill Enhancement Programs. As part of the same endeavor, the Institute successfully completed 'Skill Enhancement Certificate Courses' that aim at imparting experiential learning to the ~~students~~ students. All skill enhancement certificate



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courses –**Artificial intelligence & Iot** -were offered to students at nominal fees. In addition, to facilitate and prepare the students for better employability Certification Programs and Creativity building programs were also initiated in the past year. A certification program to develop technical skills among our students. In addition, debate competition, Quiz competitions were also organized by Department of skill development for the holistic development of the students. The Institute has taken significant strides in the last year in support of experiential learning by organizing various events like **Entrepreneurship Carnival, Hackathon Competition.**

Faculty Development programs organized by BFCET are AICTE & MRSPTU Sponsored six days online Faculty development program on **“Waste Management & Environmental Protection for Sustainable Development programme”** and FDP on **IoT & Artificial Intelligence in Industry 4.0”** organized by Baba Farid college of Engineering & Technology in collaboration with MRSPTU & AICTE was commuted online during (Aug 4,2020-Aug,8,2020) and (Jan 17,2022-Jan 22,2022)

One day Faculty Development Programmed was in association with All India Institute Of Medical Sciences (AIIMS) in **Depression Application** was conducted by BFCET on March 6,2021.

One month training session on **FESTO –Centre of Excellence** is organized in collaboration with FESTO during (May 31, 2022-June 6 2022)

**Internal Hackathon –2022** on April 12, 2022 was organized in coordination with Central University of Punjab.

Apart from these BFCET in collaboration with AICTE & ISTE organized one week online orientation programme (PHASE-III) on **Development In AI &Robotics.** Another feather in our cap has been at the placement front. We feel immense pride in offering placement facilities to graduate students. We are pleased to share that some of the most prestigious organizations like JS electric corporation, Softwizz technologies, Maruti solar enegy, shape my skills, Solitaire Infosys, Infowiz etc., were among 30 well-known companies offered placement this year. To make the students' Ready for the corporate activities like Career Counselling sessions, Talk Series, Online Career Assessment are organized time to time.

  
Baba Farid College of Engineering & Technology

Apart from our academic endeavors, we at BFCET encourage students' interest, participation and responsibility by providing social, cultural, and recreational activities for the College Community. Keeping this in mind, BFCET Cultural Society has clubs that give students an



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opportunity to showcase and develop their talent in a wide variety of fields necessary for their physical and mental health. The pandemic couldn't deter the vigor of our students and the year 2021 saw more than 70 activities organized under different clubs and societies operating under the ambit of BFCET. To name few of the events organized by Roots cultural club and societies are, **cover page designing, Hackathon: photography competition,** quiz etc. In addition, webinars, and panel discussions were also hosted by the clubs and societies.

Baba Farid College of Engineering and Technology always promote the research culture in the emerging areas of Engineering & Technology and would strive to provide the necessary environment and facilities to nurture the creative minds. The Institution is committed to promote research activities to address global challenges and well-being of the society. To build on these aims, BFCET has exclusively established the Research & Development Cell to promote quality research and research infrastructure. Educational institutes are defined by the quality of their faculty members. Research activities like publications in journals, paper presentations at seminars and conferences in India and abroad as well as other related activities are integral part of our faculty's activities. We feel proud to mention that our faculty members published a paper on various topics like CNTFET Based Ternary 1-Trit & 2-Trit Comparators for Low Power High-Performance Applications & CNTFET Based 4-Trit Hybrid Ternary Adder-Subtractor for low Power & High-Speed Applications. In the this year our faculty members of mechanical department write a book on Lecture Notes in Mechanical Engineering book series (LNME) and Emerging trends in Mechanical engineering. Along with this, we have received many more grants. Our faculty also served as resource person and as Conference Chair on various occasions.

In addition, our faculty has published / presented over 5 research papers in the various prestigious journals and Conferences at National and International level. Congratulations to all these faculty members.

Along with the faculty development, BFCET also lays focus on the grooming of the non-teaching staff. Training sessions on first-aid and soft skills along with a workshop on mental wellbeing was conducted solely for our non-teaching staff.

Lamps do not talk, but they shine. A light house sounds no drum; it beats on a gong and yet far over the waters, its friendly spark is seen by the mariner. So are the trustees who contribute liberally. That's what BFCET would like to say to its stake holders. We are indebted and gracefully acknowledge their contribution in building

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'BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY stronger day by day. I take this opportunity on behalf of my BFCET family to express our gratitude to our most supportive team of BFCET for all their support and nourishment. Summing up, I would like to say, we planned our journey this way, we fell, stood and continued to go miles.....I wish all the very bests to our wonderful family of BFCET to go placidly and reach the zenith!

  
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