



BABA FARID COLLEGE OF ENGG. & TECHNOLOGY

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BABA FARID COLLEGE OF ENGG. & TECHNOLOGY

Strategic Plan Session 2018 to 2023

ABOUT THE COLLEGE

Baba Farid College of Engineering and Technology is managed by Baba Farid Vidyak Society, founded in 1993 under the kind patronage of prominent educationists of Malwa Region of the State of Punjab. The society aims to provide quality education to prepare young minds to face the competitive world on all fronts. The institute offers a host of hi-tech ultra-modern facilities to ensure quality education for its students. The institute is being managed efficiently by its Chairman, Dr. Gurmeet Singh Dhaliwal, an eminent educationist and Bharat Jyoti Awardee. As a Premiere Educational Institute, Baba Farid College of Engineering & Technology emphasizes on imparting the practical skills to the students to make them ready to take up the challenges in the digitalized transformation of technical education. With the support of up-to-date labs, excellent infrastructure and qualified faculty the college is committed to provide the quality education. The college always takes its best foot forward for motivating its students towards research by organizing International Conferences, Seminars and Guest Lectures in its campus.

VISION

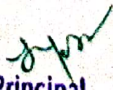
To emerge as centre of excellence in technical education by providing excellent educational opportunities for overall development of students to be a good human being to serve the society.

MISSION

- To impart quality education and practical knowledge to the students for imbibing requisite technical and soft skills for making them future technocrats.
- To cope with Industry requirements for bridging the gap between Industry and Academia.
- To involve students in social activities like rural development, women empowerment community service, health, and hygiene awareness & environmental protection for their contribution to create healthy, vibrant, and sustainable society.

CORE VALUES

- Adopting sustainable development as a central organizing principle for its activities.
- Being innovative and enterprising.
- Goovers – Company and Industry Research


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- Delivering quality and excellence with pride.
- Respecting others to inspire them to deliver their best.

TARGETS

Academic Excellence for Employability Enhancement

1. Complete Implementation of Learning Management System
2. 100% ICT enabled classrooms
3. Regular Feedback from various stakeholders for continuous improvement in academics
4. Minimum 100 certificate courses/value added courses/skill training programs will be offered.
5. Establishment of minimum 02 Centre of Excellence (COE)
6. Involvement of Students in Live Projects

Research and Innovation

1. Establishment of dedicated department to promote research and innovation
2. Collaborate with minimum 25 academic and industrial institutions in 5 years through MoUs.
3. Minimum 30 patents will be published

Faculty and Staff Development

1. Minimum 02 FDPs and SDPs will be organised separately in every year.
2. Minimum 01 technical training program will be organised for faculty through industry.

Entrepreneurship

1. Establishment of Incubation Centre
2. Incubation of minimum 02 startups per year
3. Minimum 03 startups will be graduated.

Social Responsibility

1. Adoption of minimum 03 villages for awareness programs.
2. 08 to 10 community connect programs will be organised every year.
3. Establishment of blood donor squad involving all staff and students.


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Strategies to achieve the above targets:

Academic Excellence for employability enhancement

1. Outsourcing of ERP solutions will be done for the campus automation including LMS
2. Projectors and Wi-Fi facilities will be strengthened in all the classrooms and labs
3. Feedback from all the stakeholders i.e. students, staff, alumni and employers will be taken every year planning of upcoming sessions will be done on the basis of analysis of the feedback.
4. In every department minimum 4 certificate course/value added course/skill training program will be offered to students.
5. Renowned industries will be approached for setting up of COEs in the institution by the end of session 2018-19. Major focus area will be CSE, Electrical and Mechanical.

Research and Innovation

1. Research and innovation department will be established in the year 2019-20 to promote research and innovation in the college.
2. Minimum 5 organisations will be approached every year for collaboration through MoU. Emphasis will be given on local industry and institutes of national importance of the region to collaborate for various research activities.
3. IPR policy of the institution will be framed and implemented to promote the patent work in college. Competitions and workshops will be organised to create an eco-system in the college regarding intellectual property rights.
4. Live Projects will be given to students in groups under the mentorship of faculty members. Shortlisted projects will be filed for patent publication and grant.

Faculty and Staff Development

1. FDPs will be organised at the end of each semester on the desired areas and futuristic technologies like AI, Machine Learning, Data Science, IOT, VR, AR, Teaching Methodologies, Research writing, student psychology, ICT etc.
2. SDPs will be organised at the end of each semester on the desired fields for office staff, class IV staff, technical staff, drivers, cleaners and security staff.
3. Concerned industry will be approached for the technical training to the faculty under "Train the Trainer" module.


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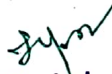
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Entrepreneurship

1. An incubation centre will be established in the institution by year 2019-20 to support the budding startups
2. Entrepreneurship and startup policy will be framed and implemented.
3. Idea generation competitions will be organised to identify the new business ideas which can be further matured into a startup.
4. Complete handholding of incubates by providing them mentorship in different fields like finance, marketing, product design, technology, HR, legal etc.

Social Responsibility

1. Nearby villages will be adopted to organise various community connect programs on environmental issues, health and hygiene, female education and empowerment, social evils etc.
2. Blood donor squad will be established in the institution by registering the interested staff and students who are willing to donate blood on requirement basis.


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Deployment of Strategic Plan


(2018-2022)

Academic improvement in Teaching and Learning system

1. From the year 2019, Flipped Learning system has been implemented along with the use of various Learning Management Systems (LMS) like Microsoft Team, and Myperfectice for sharing digital content, and assignments, conducting online conferences, quizzes, and online continuous evaluation of students.
2. Microsoft Teams is being used to stay updated with campus news and events, academic discussions, better resource utilization using data analytics and create a better learning environment.
3. Most of the Lecture rooms have been transformed into ICT-enabled projectors and WIFI facilities.
4. Regular feedback forms have been developed for all stakeholders which are available on the college website. Collected data are periodically analyzed to ensure overall improvements.
5. For the Skill development of students, courses beyond the curriculum and industry-required software training have been organized during each semester break.

Improvement in Overall Research & Development

1. Formation of the Department of Research & Development to promote research and research infrastructure.
2. MoU was signed with Industry and academic institutions of national repute like Central University of Punjab, AIIMS Bathinda, Intel India , Festo, Infosys and Edgate Technologies to promote R&D.
3. Filed and published more than 45 patents at Indian Patent house.


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4. Institutional Innovation Council (IIC) was established to promote innovation and Start-up in the campus which had undertaken various activities prescribed by the Innovation cell, MHRD, and GOI.

Employability Enhancement

1. Establishment of the School of Skill Development in the year 2015 with an initiative of equipped students with the necessary skills to make them industry ready.
2. Various Certificate courses offered to the students every semester such as Fundamentals of Python Programming, Machine Learning with Python, Artificial Intelligence with Python, Concrete materials, and Industrial automation are offered to the students in collaboration with industry giants such as INTEL, FESTO and Ambuja/JK cement that serve as a platform to bridge the gap between the university curriculum and the industrial need.
3. Various Centre of Excellence (CoE) was established like AI Lab in collaboration with Intel, Automation Lab in the collaboration with Festo and IoT (Internet of Things) in collaboration with EdgeGate Technologies. To enrich the potential of students and faculty members through extensive training programmes.
4. To provide hands-on experience and exposure to various technologies, students are also given Live/Major projects in groups for practical experience. Some of the working live projects are the Depression Control Application, NAAC Portal, BFGI (Baba Farid Group of Institutions) Bus Tracking System, Lucare, Attendance Management System, Shelter Check, Blood Donation Portal etc.

Faculty and Staff Development

1. Various FDP (Faculty Development Programmes) and Staff Training programs were organized at regular intervals using grants received under MRSPTU and AICTE.
2. Faculty have attended various Technical Training programs organized by various industries like Intel, Festo, Infosys etc.
3. Various Personality Development Programs are also attended by the faculty and organized by various reputed like Rubicon and Global Trainer.


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Social Responsibility

1. Five nearby villages have been adopted under the 'Unnat Bharat Abhiyaan' scheme 5 villages for their upliftment.
2. Community Conned Programs have been taken as an initiative to serve society. Which was include awareness regarding various social evils like Drugs, Dowry, Female Feticide etc. Traffic Awareness Campaign was initiated to sensitize the community regarding the importance of traffic rules. Free Medical Check-up Camps were organised for the welfare of society.
3. Blood Donor Squad of the Institution was also established which includes students, staff members and alumni of the University. Our focus is a drug-free, happy, and healthy society.

Entrepreneurship

1. Baba Farid School of Entrepreneurship, an Incubation Centre (enlisted on Startup Punjab & Startup India) is registered under the Societies Registration Act, 1860 to promote innovation and entrepreneurship. To accomplish its goal, BFSoE facilitates startups, enterprises, faculty and students by providing technical and business support & services.
2. BFSoE organizes various events like Business Idea Competition, Mentoring Sessions, Expert talks, Workshops, Capacity Building Programs, Pitch-up Sessions, etc.
3. BFSoE has currently 5 are startups in incubation:
Angelic Aroma (Recommended for Grant-in-aid of Rs 50,000 under SHE Initiative by PSCST, Chandigarh)
 - i. Chouhan Agro-Industry
 - ii. The Powpupps
 - iii. Shield Agrotech
 - iv. Pillibanga Electronics Manufacturing Pvt Ltd
4. Our first two startups got selected to exhibit at G20 Amritsar held on 15-17 March 2023.


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