

About FDP

Today, everyone is focus on internet of things (IOT) and artificial intelligence (AI). Statistics shown a huge data will be grown and most of devices to be connected on internet by 2025. IOT is the concept of everyday object from machine to wearable devices using built in sensors to gather data and take action on the data across a network and AI eliminates human intervention wherever necessary and possible. This FDP is aimed at giving live training & knowledge to the faculty members on various aspects of IOT & AI. Industry 4.0 refers to a new phase in the Industrial Revolution that focuses heavily on interconnectivity, automation, machine learning, and real-time data. Industry 4.0, also sometimes referred to as IOT or smart manufacturing, marries physical production and operations with smart digital technology, machine learning, and big data to create a more holistic and better-connected ecosystem for companies that focus on manufacturing and supply chain management.



Expected outcomes

The course will be extremely beneficial for the faculty, researchers and professionals from diverse discipline.

- ★ Understanding the nature and development of Artificial Intelligence in promoting transformative manufacturing.
- ★ FDP introduces fundamentals of IOT, different industry 4.0 Models, applications and research outcomes addressing the theoretical and practical aspects on "Artificial Intelligence and Industry 4.0"
- ★ An opportunity to explore the implications of Industry 4.0 in a globally connected supply chain.
- ★ Implementation of IOT and automation for conventional manufacturing.
- ★ Generate realistic and workable ideas for Industry 4.0.



Baba Farid Group of Institutions, incepted in the year 1994 under the guidance of Baba Farid Vidyak Society, is one of the prominent education hubs in India. Founded, led and managed by a reputed educationist Dr. Gurmeet Singh Dhaliwal (Chairman), the institution is delivering the academic excellence with complete panache. Being the Leading Educational Institute of the Region, it is a preferred destination of Indian and international learners to attain their career goals. The Institute offers more than 50 Regular Courses & has a strength of more than 10,000 students not only from State of Punjab, But also from Different parts of country.

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 the 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 practical skills to the students to make them ready to take up the challenges in this ever-evolving field of digitalized technical education. With the support of up to date labs, excellent infrastructure, and qualified faculty, the college is committed to provide 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 the campus. The college runs under-graduate courses of Bachelor of Technology in the disciplines of Computer Science & Engineering, Electronics & Communication Engineering, Civil Engineering, Mechanical Engineering & Electrical Engineering & Post-graduate course of Master of Technology in CSE.

About Department

The Department of Electrical Engineering, BFCET was established in 2010 under the aegis of Baba Group of Institutions. The motive of the department is to impart quality education in the field of Electrical Engineering with innovative teaching methodology with the blend of traditional practices. Academic Curriculum is a perfect balance between theoretical concepts and practical aspects. The department always focuses on Hands-on practice, projects, field trips and industry-academic interaction together to make our students highly sought-after graduation. Along with Academic, the students here are encouraged to engage themselves in extra-curricular and co-curricular activities which are essential for personality development, nurturing of team spirit and development of professional ethics. Faculty members of the department maintain their links with the various installation & commissioning agencies for consultancy activities. Electrical Engineering program at Baba Farid College of Engineering and Technology is excellently suited to meet the ever-changing requirements of engineers with courses that combine the Electrical Machines, Power System, Power Plant Engineering, Power System Analysis and computational techniques with engineering. In addition, undergraduates are exposed to the concepts of design including the application of (ETAP Software) techniques. The program also considers the need for real-world exercise for which throughout the program time to time entails Industrial visits, live projects, and a host of hand-on-practice based assignments that give students an opportunity to apply their theoretical concept & knowledge to problems faced on the ground.

About us

AICTE-MRSPTU

Sponsored

Six days Online

Faculty Development Programme (FDP)

on

IOT & Artificial Intelligence in Industry 4.0

17th-22th January, 2022



being organized by

Department of Electrical Engineering

**BABA FARID COLLEGE
OF ENGINEERING AND TECHNOLOGY**

Bathinda - 151001 (Punjab)



Content of the Programme

- ★ Dynamic Implementation of IOT and AI Approaches for Research
- ★ Open Platforms for IOT and Smart Applications
- ★ Industrial Automation using IOT Frameworks
- ★ Free and Open-Source Frameworks for IOT and Industry 4.0
- ★ Challenges and opportunities in IOT.
- ★ To introduce fundamental of IOT and AI with its applications
- ★ The program would help the participant to understand the key concepts and advance understanding on IOT and AI
- ★ To explore various research opportunities and challenges in the field of IOT, AI and its applications.
- ★ At the end of the FDP, the participant is able to understand the technologies for future application.



Patron
Dr. Gurmeet Singh Dhaliwal
(Chairman BFGI)

Chairperson
Dr. Jayoti Bansal
(Principal)

Co-Chairperson
Dr. Tejinderpal Singh
Srao (Dean R&D)

Programme Coordinator
Er. Harsimran Singh
(HoD, Electrical Engineering)

Programme Co-coordinators
Er. Hardeep Singh
(Dean of student welfare)

Er. Abhi Garg
(Assistant Professor, Electrical Engineering)

Er. Satvir Singh
(Assistant Professor, Electrical Engineering)

Organizing Committee

Er Tanu
Dr Nimisha Singh
Er Pushpinder Sharma
Er Balwant Singh
Er Harkamaldeep Kaur
Er Shilpy Goyal
Er Gurpreet Kaur
Er Rajpreet Kaur Er Rishav
Er Manpreet Kaur
Er Sandeep Singh

Resource Persons

Eminent personalities with rich experience and standing in their respective domain from reputed Institutions like IIT/NIT/NITTTR/TIET/ Central University and Industries are resource persons in this programme.

Who can attend?

The program is open to all faculty members and Research Scholars of AICTE/UGC affiliated institutes/ Universities. Maximum 100 participants are allowed to attend the programme.

Registration

There is no registration fee. Interested persons can attend the Programme by completing the registration through the following link or scan QR code.

Registration QR Code



Registration Link: -

<https://forms.gle/wR4DRuyeos7xGzwk9>

Join WhatsApp Group

<https://chat.whatsapp.com/I4ozK6CQCnhCV94YellZ1u>

Important Dates

Last Date for Registration : 10th January 2022

Confirmation of Participation : 15th January 2022

Test & Certification

An online test shall be conducted by coordinator at the end of the program. Certificates shall be awarded to the participants with 80% attendance and with a score of minimum 60% marks in online test to be conducted on the last day of the program.

Duration

The Programme will be conducted in **online mode** from 17th-22th Jan, 2022 having a total of 16 sessions each of 90 minutes duration

Contact Persons

Programme Coordinator:
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+91-95011-15491

Programme Co-coordinator:
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+91-95011-15435
Er Satvir Singh
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**BABA FARID COLLEGE
OF ENGINEERING & TECHNOLOGY**

Bathinda (Punjab) -151001, www.bfcet.com



Patrons:

Dr Gurmeet Singh Dhaliwal
(Chairman, BFGI)

Chairperson:

Dr Jyoti Bansal
Principal

Co-chairperson:

Dr Tejinderpal Singh Sarao
Dean (R&D)

Convenor:

Er Tanu Taneja
(Head, Civil Engineering)

Coordinator:

Er Pankaj Mittal
(Assistant Professor, Civil Engineering)

Co-coordinators:

Er Rajan Vinayak
(Assistant Professor, Civil Engineering)
Er Priya Mittal
(Assistant Professor, Civil Engineering)

Organizing Committee:

Er Kovid Sharma
Er Sandeep Maan
Er Heena
Er Divisha Garg



Contact Us

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Bathinda (Punjab) -151001, www.bfcet.com



**AICTE & MRSPTU SPONSORED
SIX DAYS ONLINE
FACULTY DEVELOPMENT PROGRAMME**

ON

**“Waste Management & Environmental
Protection for Sustainable Development”**

10th – 15th January 2022



being organized by

Department of Civil Engineering

**BABA FARID COLLEGE
OF ENGINEERING & TECHNOLOGY**

**BABA FARID
GROUP OF INSTITUTIONS**

Bathinda, Punjab (India)



About us

Baba Farid Group of Institution (BFGI) is one of the premier Institution present in Northern Region of India, **fully AC and Wi-Fi Campus**, where scholarly activities and innovations are strongly appreciated & encouraged. It is managed by Baba Farid Vidyak Society Founded in 1993 under the kind patronage of prominent educationist of Malwa Region and under the Dynamic leadership of its Chairman Dr. Gurmeet Singh Dhaliwal. The Institute offers more than 50 Regular Courses & has a strength of more than 10,000 students not only from State of Punjab, But also from Different parts of country.

Baba Farid College of Engineering and Technology is a constituent institute of BFGI and is approved by AICTE & affiliated to MRSPTU, Bathinda. The College runs undergraduate course of BTech in the Disciplines of CSE, Civil, Mechanical & Electrical Engineering & Postgraduate Course in CSE.

About Department

The Department of Civil Engineering, BFCET was established in 2008 under the aegis of Baba Group of Institutions. Department has aim to emerge as the centre of excellence in the field of civil engineering by providing excellent educational opportunities and allied research for the overall development of students to serve the society for the betterment of mankind. To evolve as a leading department by offering the best comprehensive teaching and learning practice for students to be self-competent technocrats with professional ethics and social responsibilities.

About Programme

This programme is crafted to spread awareness about the new techniques for effective utilization of waste & its management and sustainable development. The programme covers key elements of the waste management system, such as its technical, environmental, social, financial and institutional aspects. In this programme, experts sights on sustainable development that have determined the society to recognize and become aware of the importance of environmental factors as well as of the functions and services that the environment offers.

Content of the Programme

The Programme covers-

- Waste Land Management
- Waste Water Management
- Industrial Waste Management
- Swacch Bharat Mission
- Waste Minimization Practices & Wealth from Waste
- Waste Management in Transport Infrastructure
- Nuclear Energy in India
- Environmental Sustainability and Sustainable Development
- Healing of Earth and Ecosystem during COVID-19 lockdown
- Ozone Protection and Its Importance
- Application of Waste Material towards Environmental Remediation
- 3H's- Holistic, Health & Happiness
- National Education Policy (NEP-2020)

Objectives and Outcomes

The programme will be extremely beneficial for the faculty, researchers and professionals from diverse disciplines. It helps them to identify potential environmental impacts from the generation of waste and get to know about new pedagogic approaches and practices of waste management for sustainable development.

- To get updated on the progress and pace of change in management of wastes from various sources, environmental protection, technological progress and societal expectations.
- To provide a holistic approach towards sustainable developments in the field, addressing the problems of ecosystems and the ecological complexes.
- To provide an overview of global environmental trends and status, assessment of quality and remedial approach.

Resource Persons

Eminent personalities with rich experience and standing in their respective domain from reputed Institutions & Industries are resource persons in this programme.

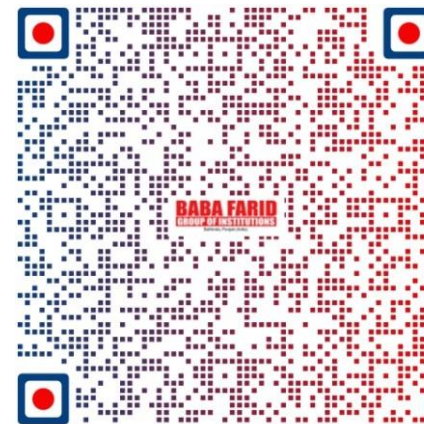
Who can attend

Faculty members of AICTE approved Engineering/Polytechnic Colleges/University departments & Research Scholars. Maximum 100 participants are allowed to attend the programme.

Registration guidelines

Interested persons can attend the Programme by completing the registration through the following link or scan QR code.

QR Code



Registration Link: -
<https://forms.gle/bSACH2Lt7VxSveRz5>

Important Dates

Last Date for Registration : **07th January 2022**
Confirmation of Participation : **08th January 2022**

Registration Fee & Certificate

There is **no registration fee**. Certificates shall be awarded to the participants with 80% attendance and with a score of minimum 60% marks in online test being conducted on the last day of the programme, and on submission of online feedback.

Duration

The Programme will be conducted in **online mode** from 10th- 15th January, 2022 having a total of 16 sessions each of 90 minutes duration

BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY

Muktsar Road, Bathinda, Punjab (India)

Organize

Administrative Training Programme

on

Classroom Learning Management System using CollPoll

2nd August, 2021



EXPERT

Mr. Lakhwinder Singh

PROGRAMME CO-ORDINATOR

Er. Tanu

BABA FARID
GROUP OF INSTITUTIONS

Bathinda, Punjab (India)

BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY

organizes

STAFF DEVELOPMENT PROGRAMME

on

MICROSOFT OFFICE

4th Aug to 08th Aug, 2022

ABOUT

Non-teaching staff have a significant role to play in the institution's success. It is essential for the non-teaching staff to perform their duties responsibly to enable the teaching staff and the organization to work smoothly. They undertake a wide range of activities related to course delivery and course/programme implementation, including student support services. Growth and development are an ongoing process for all levels of the education sector employees. The Staff Development Programme (SDP) is designed to assist Baba Farid College of Engineering & Technology staff build workskills and improve individual performance by increasing knowledge and enhancing productivity. Staff Development Programme is a process directed towards the personal and professional growth of staff. SDP can be viewed as the activities and programs (formal or informal and on or off campus) that help staff members learn about responsibilities, develop required skills and competencies necessary to accomplish institutional goals, and grow personally and professionally to prepare themselves for progression in the institution.

OBJECTIVE OF PROGRAMME

The objectives of staff development programme are-

- To use microsoft office to create basic formatting
- To create access database in microsoft office
- To know about the formulas and functions in microsoft excel
- To learn about the addition of hyperlink in microsoft word

PROGRAMME CONTENTS

The objectives of staff development programme are-

- Microsoft office & its applications
- Features of microsoft word
- Types of ribbon & word screen elements
- Accessing toolbar, navigating page, usage of formatting tools
- Template implementation and manipulation
- Converting word documents
- Hyperlinks, language tools, cross-referencing
- Citations, bibliographies, indexing

PROGRAMME COORDINATOR

Er. Tanu

Assistant Professor, Civil Engineering

PROGRAMME DURATION

4th Aug to 8th Aug, 2022

EXPECTED OUTCOME

- Able to indicate the names and functions of the word interface components
- Work effectively with features that affect the page layout of document
- Use a range of font formatting techniques
- Manage individually and collaboratively multiple office tasks, prioritizing and reprioritizing in response to changing demands
- Able to independently create professional looking documents and presentations
- Understand how to use Microsoft office in a variety of situations



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BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY

Organizes

STAFF DEVELOPMENT PROGRAMME

on

**Cultivating skills and knowledge for college
gardeners**

9th-13th May,2022

ABOUT

Non-teaching staff have a significant role to play in the institution's success. It is essential for the non-teaching staff to perform their duties responsibly to enable the teaching staff and the organization to work smoothly. They undertake a wide range of activities related to course delivery and course/programme implementation, including student support services. Growth and development are an ongoing process for all levels of the education sector employees. The Staff Development Programme (SDP) is designed to assist Baba Farid College of Engineering & Technology staff build work skills and improve individual performance by increasing knowledge and enhancing productivity. Staff Development Programme is a process directed towards the personal and professional growth of staff. SDP can be viewed as the activities and programs (formal or informal and on or off (campus) that help staff members learn about responsibilities, develop required skills and competencies necessary to accomplish institutional goals, and grow personally and professionally to prepare themselves for progression in the institution.

OBJECTIVES OF PROGRAMME

The objectives of staff development programme are-

- To improve gardeners' gardening skills including training in plant propagation, soil preparation, pest control, irrigation and other horticultural practices.
- To enhance the gardeners' communication skills including verbal as well as interpersonal skills.
- To promote sustainability practices such as composting, water conservation and integrated pest management

PROGRAMME CONTENT

- Introduction to gardening in college premises
- Garden planning and design
- Garden maintenance
- Garden harvesting and utilization
- Community engagement and education
- Evaluation and reflection

PROGRAMME COORDINATOR

Er. Tanu, Assistant Professor

PROGRAMME DURATION

9th – 13th May, 2022

EXPECTED OUTCOME

- Understand the importance of teamwork
- Would help gardeners learn about sustainable gardening practices, such as water conservation, composting, and integrated pest management
- Make use of techniques for self-awareness and self-development
- Would help gardeners in selecting plants that are appropriate for the local environment, taking into account factors such as soil type, sun exposure, and climate conditions



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BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY

Muktsar Road, Bathinda, Punjab (India)

Organize

Staff Development Programme

on

Advanced Techniques in Electrical Maintenance

23rd July, 2021

EXPERT

Mr. Gursewak Singh

PROGRAMME CO-ORDINATOR

Er. Tanu



BABA FARID GROUP OF INSTITUTIONS

Bathinda, Punjab (India)