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(Chairman, BFGI)

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**Dr Manish Goyal**  
Principal, BFCET

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(Prof., Dept of CSE)

**Co-convenor:**

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(Asst Prof., Dept of ECE)

**Coordinator:**

**Dr Tejinderpal Singh Sarao**  
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**Co-coordinators:**

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**Er Pankaj Mittal**  
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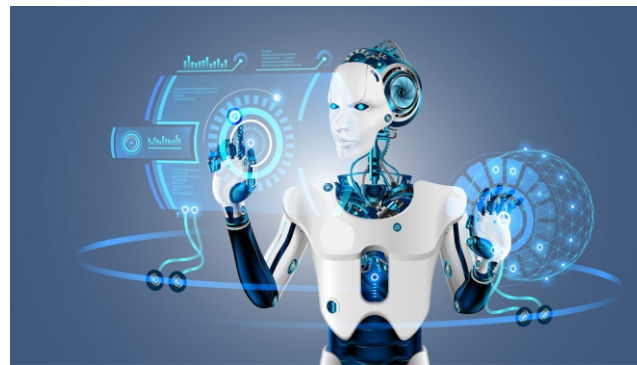
**About us**

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 B.Tech in the Disciplines of CSE, Civil, Mechanical & Electrical Engineering & Postgraduate Course in CSE.

**About Programme**

This programme is designed to provide an exposure to the Recent Developments in Artificial Intelligence (AI) and Robotics. Participants will learn about Robot Kinematics and Dynamics, Control Aspects of Robot Manipulators, Artificial Intelligence in Robotics, Quantum Robotics, Computer Vision and Robotics, AI & Robotics in Industry 4.0, Cognitive Robotics, Sensors and Actuators in Robotics and Intelligent Control of Robotic Systems. The course will be useful for faculty of engineering and sciences who are interested in the learning about Research Issues and Recent Developments in AI and Robotics.



**AICTE-ISTE SPONSORED**

**ORIENTATION/ REFRESHER PROGRAMME**

ON

**“Recent Developments in AI and Robotics”**

**22<sup>nd</sup> – 27<sup>th</sup> March 2021**



**Organized by**

**BABA FARID COLLEGE  
OF ENGINEERING AND TECHNOLOGY**

**BABA FARID  
GROUP OF INSTITUTIONS**

Bathinda, Punjab (India)



## Content of the Programme

The Programme covers recent technologies in

- Machine learning and its Applications
- Fundamentals of Robotics and Artificial Intelligence
- Sensors, Actuators and Controllers used in Robotics
- Recent advances in AI and Robotics
- Robot Control Programming

## Objectives and Outcomes

The Programme will provide a forum for participants to exchange ideas on the state of art research and latest developments in the field of AI and Robotics. It will also help to identify future research needs in the interdisciplinary research fields. The research scholars will also get wider exposure and interaction opportunities with industrial experts and eminent academicians in the field of Robotics. Participants will have sessions on Platforms to develop intelligent robotic applications and Machine Learning algorithms and their use in Robotics. The program shall enable the participants to understand the various application domains of AI and Robotics in the current scenario of Industry 4.0. They also will learn about the new possibilities and avenues in Robotics.



## Resource Persons

Eminent personalities with rich experience and standing in their respective domain from reputed Institutions like IIT/NIT/TTR/TIET/ Central University and 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. **Preference will be given to ISTE members.**

## 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/rEFgLRnSKzTPd7MeA>

## Important Dates

Last Date for Registration : **15<sup>th</sup> March 2021**

Confirmation of Participation : **19<sup>th</sup> March 2021**

## 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 program, and on submission of online feedback.

## Duration

The Programme will be conducted in **online mode** from 22<sup>nd</sup>-27<sup>th</sup> March, 2021 having a total of 16 sessions each of 90 minutes duration.

# BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY

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