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Dr. Gurmeet Singh Dhaliwal
(Chairman BFGI)

Chairperson

Dr. Manish Goyal
(Principal)

Convenor

Dr. Jyoti Bansal
(Prof., Dept. of CSE)

Co-convenor

Er. Harleen Kaur
(Asst Prof., Dept of CSE)

Programme Coordinator

Dr. Tejinder Pal Singh Sarao
(Prof & Head, Dept. of ME)

Programme Co-coordinators

Er. Kovid Sharma (Asst Prof., Dept. of ME)
Er. Pankaj Mittal (Asst Prof., Dept. of CE)

Organizing Committee

Er. Hardeep Singh
Er. Harsimran Singh
Er. Priya Mittal
Er. Arshdeep Singh Kalsi
Er. Rajan Vinayak
Dr. Nimisha Singh
Er. Tanu
Er. Gaurav Garg
Er. Pushpinder Sharma
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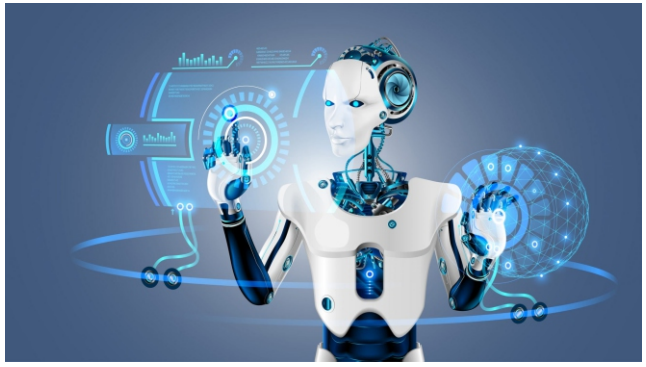
About us

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

About FDP

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
INDUCTION/ REFRESHER
FACULTY DEVELOPMENT PROGRAMME

ON

"Recent Developments in AI and Robotics"

7th – 12th December 2020

Organized by

BABA FARID COLLEGE
OF ENGINEERING AND TECHNOLOGY

BABA FARID
GROUP OF INSTITUTIONS

Bathinda, Punjab (India)

Resource Persons

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

Prof. Asokan T
Indian Institute of Technology, Madras

Prof. Ashish Dutta,
Indian Institute of Technology, Kanpur

Prof. Ekta Singla
Indian Institute of Technology, Ropar

Prof. BS Pabla
NITTTR, Chandigarh

Prof. SS Dhami
NITTTR, Chandigarh

Prof. Ashish Singla,
Thapar Institute of Technology, Patiala

Prof. A Kaur
Central University Punjab, Bathinda

Prof. Suril v. Shah
Indian Institute of Technology, Jodhpur

Prof. Parvinder Singh
Central University Punjab, Bathinda

Dr. G. Kumar, Director
Magma Research and Consultancy Services

Dr. Sohan Chandel
Psychologist and Corporate Trainer

Mr Abhishek Gupta
R&D Head, Tevatron Technologies Pvt Ltd

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.**

Content of the Programme

- Introduction to Robotics
- Robot Kinematics
- Robot Dynamics
- Control Aspects of Robot Manipulators
- AI & Robotics in Industry 4.0
- Quantum Robotics
- Platforms to develop intelligent robotic applications
- Machine Learning algorithms and their use in Robotics
- Computer Vision and Robotics
- Design and Control of Biped Locomotion
- Sensors and Actuators in Robotics
- Challenges and Opportunities for AI & Robotics startups
- Artificial Intelligence in Robotics
- Robot Motion Planning
- Emotional Well Being

Objectives and Outcomes

The FDP 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.

Registration guidelines

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

QR Code

Registration Link: -
https://rb.gy/jqb0mc

Important Dates

Last Date for Registration : **30th November 2020**
Confirmation of Participation : **2nd December 2020**

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 FDP will be conducted in **online mode and details will be** from 7th-12th December, 2020 having a total of 16 sessions each of 90 minutes duration.