

How to Register

- (i) Interested participants may register using the given link: <https://www.aicte-india.org/atal>
- (ii) Click on **participants Registration for New FDP 2021-22**
- (iii) Register (Signup): Participants need to register with basic details and choose **Role as Participant**.
- (iv) Use the above three steps to register or the following link. (<https://atalacademy.aicte-india.org/signup>)
- (v) After successful registration, participant will get one verification email on provided email
- (vi) Once participant **verifies the email**, he/she will be able to login to the portal.
- (vii) After login participants will see the **“General Details”** form (Participants need to fill this form).
- (viii) Apply for workshop by clicking on **“Workshops”** tab.
- (ix) Select State **“Bihar”** and Month **“August”**. You will Get **Institute Name: “Katihar Engineering College Katihar”**, **Application no: “1614790064”**
- (x) Click the **“+”** sign button to register.
- (xi) After successful registration, participants can check registration details by clicking on **Applied Workshops**.

Certificate

Registered Participants **Attendance** should be more than **80%** and **marks** should be more than **60%** in the Test for certificate. Participants will be provided E-Certificate by **AICTE ATAL Academy**.

Patron

Dr. Ranjana Kumari (Principal)
Katihar Engineering College, Katihar (Bihar)

Coordinator

Dr. Dharmveer Kumar Yadav
Assistant Professor, CSE
Katihar Engineering College, Katihar (Bihar)

Organizing Committee

Faculty Members, Dept. of CSE
Katihar Engineering College, Katihar (Bihar)

Address for Correspondence

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Registration Fee

There is no Registration Fee

Target Audience

The faculty members of the AICTE approved institutions, Research scholars, PG Scholars, Participants from Government Organizations (Bureaucrats/Technicians etc.), Participants from Industry/School Teachers and staff of host institution.



AICTE Training And Learning Academy
(ATAL) Sponsored

Five -Days Online Faculty Development Programme (FDP)

on

ROBOTICS

23rd - 27th Aug, 2021

Organized by

Department of Computer Science & Engineering



Katihar Engineering College, Katihar
(Under DST, Govt. of Bihar)
Katihar-854109 (Bihar), India
(Affiliated to Aryabhata Knowledge University, Patna)

<http://keck.ac.in/>

About the Institute

Katihar Engineering College (KEC) is one of the 38 engineering colleges established under Department of Science and Technology, Govt. of Bihar. It was established in the year 2016 with the goal to foster the technical skills both in applied and basic approach. The college started with three branches including Computer Science and Engineering (CSE), Civil, Mechanical, and recently approved Electrical & Electronics Engineering (EEE) with the intake of 60 students in each. After its establishment the institution aims at setting high standards of education and excelling as per the demand of the current society.

About CSE Department

The computer science and engineering department was established in the year 2016. Bright students from all the parts of the Bihar come for quality education in computer science and engineering department at undergraduate levels. The department has highly qualified and competent faculty members, and adequate facilities to support teaching and learning activity.

About Workshop

The course will be useful for faculty of engineering and sciences, research scholars who are interested in the learning robotics and intelligent systems.

In this workshop, the main focus will be the introduction to robotics, introduction to human robot interaction. Brief Introduction of humanoid robot. Depth analysis of Human joints trajectories for generation of adaptive walking trajectories and computational model development.

This program will be beneficial to students at the undergraduate level, postgraduate level, research scholars and young researchers who intend to practice research in the field of robotics and machine learning. Distinguishing features of this program include lecture sessions and hands-on training by experts.

Resource Person

1. (Senior Prof.) Dr. G.C Nandi, Indian Institute of Information Technology, Allahabad (IIIT-A).
2. Dr. Atul Thakur (Associate Professor IIT Patna)
3. Dr. Vijay Bhaskar Semwal (Assistant Professor, CSE, MANIT Bhopal)
4. Dr. Rajesh Doriya (Assistant Professor, CSE, NIT Raipur)
5. Dr. Vijay kumar Dalla (Assistant Professor, ME, NIT Jamshedpur)
6. Dr. Mitul Kumar Ahirwal (Assistant Professor CSE, MANIT Bhopal)
7. Dr. Bunil Kumar Balabantaray (Assistant Professor, CSE, NIT Meghalaya)

Topics to be covered

1. Introduction to Robotics research in the machine learning and deep learning paradigm
2. Introduction to Human Robot Interaction and Human activity recognition using tiny ml
3. Human Robot Interaction Using Hand Gesture Recognition and Hand Gesture Implementation in MATLAB
4. Introduction to Robotics and Robot Simulators
5. Brain Computer Interface and Robot kinematics
6. Obstacle avoidance and path optimization through GA approach
7. A primer on Bio - inspired mobile robotics: Sensors, Actuators and Design Aspects. Underwater robotics on various size scales

Mode of FDP

Program will be delivered through online mode

No. of Seats

Maximum 200 Participants (on First come First serve basis)

IMPORTANT DATES

Last Date of Registration: 10-08-2021.