

## REGISTRATION FORM

### Faculty Development Program Robotics & AI

June24, 2019 – June28, 2019

1. Name:
2. Age & Date of Birth:
3. Designation:
4. Institution:
5. Address for Communication:

E-mail:

Phone No.: (with STD  
code) Office:

Mobile:

7. Educational Qualification:

8. Subjects handled in last one year:

9. Professional Experience (in years)

Teaching:

Industry:

Signature of the Applicant

## DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDP. If selected, I shall attend the program for the entire duration.

Date:

Place:

Signature of the Applicant

## SPONSORSHIP

Mr./ Ms./ Dr. ....

.....  
is an employee of our Institute / Organization and is hereby allowed to attend the FDP on Robotics & AI. He/She will be permitted to attend the program, if selected.

Date:

Place:

Signature & Seal of the HOD/ Principal

**\*Soft copy of the registration form can be mailed to**

**rachna.singh@jiit.ac.in**

## FDP through NKN Summer Course 2019



### Robotics & AI



June 24, 2019 – June 28, 2019



*Sponsored by*

**Ministry of Electronics and  
Information Technology (MeitY)**

*Organized by*

**Electronics and ICT Academy,  
National Institute of Technology, Patna**

*in association with*

**Jaypee Institute of Information Technology,  
(Declared Deemed to be University u/s Sec3 of UGC Act 1956)**

Department of ECE  
A-10, Sector-62, Noida, U.P. 201310  
India

### About Summer Course:

Faculty Development Program in core areas of Electronics and Information & Communication Technology (ICT) streams have been planned by academies for delivery during Summers (i.e., May – July 2019). All these summer courses will be offered through National Knowledge Network (NKN) based Video Conferencing, with lectures delivered by invited experts from IITs, NITs, IIITs and other premier institutes/industries. In addition, local course coordinators at respective academies /identified remote centers will take care of sessions on design orientation/activity linked problems/ assignments/ case studies and quiz test(s). All seven E&ICT Academies will host the participants simultaneously along with some selected remote centers all over our country, through NKN-VC infrastructure. Candidates could attend the training programme at Academy locations or at identified remote centers as per the convenience. For registration participants need to apply to one of the Academies, however, they can attend the training programme at that Academy or any remote centre attached to that respective Academy, please refer to respective academy websites.

### Target Beneficiaries:

Interested Faculty / Research scholars of engineering/technical institutions are eligible to attend these summer courses. Fifty (50) seats are available for each course to be offered at each Academy/Remote Centre. Participants will be selected based on first-cum-first-serve basis by each academy. Selected participants will be communicated through e-mail / notified in E&ICT Academy websites.

### Registration Fees:

No Registration fee is charged for attending this program planned at any designated academies/Remote centers. However, candidate should submit a DD of Rs.1000/- in favor of “**Director NIT Patna, Patna**” payable at Patna along with application form and the same will be handed over to the participant on the last day of the training. Certificate for participation as well as for Satisfactory performance will be given to the participants subject to fulfillment of attending all sessions, submission of assignments and clearing the test(s).

### How to apply:

Duly filled in form should reach the local coordinator Dr. Rachana Singh along with DD in the address specified below. GoI norms will be followed for SC/ST participants. Softcopy of the registration form and DD can be mailed to [rachna.singh@jiit.ac.in](mailto:rachna.singh@jiit.ac.in)

### Course Duration:

The course is designed as 3 credit equivalent for 40 hours (Theory Lectures, Hands-on/Design orientation/Activity linked problems/Assignments Problem Solving/Case Studies sessions/Quiz Tests)

### Key Topics:

- ❖ Introduction to Robotics and Robot Simulators with hands on
- ❖ Kinematics, Dynamics and Control with hands on
- ❖ Artificial Intelligence and Robotics with hands on
- ❖ More on AI and Machine Learning: (Reinforcement Learning, Tabular Solution Methods – Multi-armed Bandits, Finite Markov Decision Processes, Dynamic Programming, Monte Carlo Methods, Temporal Difference Learning.
- ❖ Applications, Research Directions and Case Studies(Mobile Robotics– multi-terrain robots, humanoid robots. Biped locomotion; Applications in Agriculture, and Social robotics. Brain Computer Interface (BCI) and gesture control)

### Important dates:

Last date for application : 15/06/2019

Intimation of Selection : 17/06/2019

### Accommodation & Travel:

Candidates have to arrange their own boarding and lodging. Only working lunch and snacks will be provided. No Travel Allowance will be paid to the participants.

### Organizing Committee:

**Prof. V. K. Gupta, IITDM Japalpur**  
(Principal Coordinating Academy)

**Prof. R. B. V. Subramanyam, NIT Warangal**  
(Co-Principal Coordinating Academy)

**Dr. Parul Arora, JIIT, Noida**  
(Coordinator at Jaypee Institute of Information Technology, Noida)

**Dr. Gaurav Verma, JIIT, Noida**  
(Lab Coordinator)

**Dr. Rachna Singh, JIIT, Noida**  
(NKN/VC faculty In-charge)

### Address for Communication:

Dr. Rachana Singh  
Assistant Professor (Sr. Grade)  
Department of ECE  
Jaypee Institute of Information Technology  
A-10, Sector-62, Noida, U.P. 201310  
Contact No. 89828 65801  
9818706893  
9811506739

