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Gandhi Group of Institution

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Convener

Prof. (Dr.) Sujit Kumar Panda, Asst Prof, GIFT

Organising Team

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Prof. (Dr.) Saroj Kumar Rout, GIFT
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Prof. Kamalakanta Shaw, GIFT
Prof. Sasmita Tripathy, GIFT
Prof. Amrutanshu Panigrahi, GIFT
Prof. Devesh Darshani Panda, GIFT

RESOURCE PERSONS

1. **Dr. Rashmi Ranjan Rout,**
NIT Warangal
2. **Dr. Mrutunjaya Panda,**
Utkal University Bhubaneswar
3. **Mr. Mukesh Singh,**
Robogenesis
4. **Mr. Chandi Prasad,**
Robogenesis
5. **Mr. Soumya Ranjan,**
Robogenesis
6. **Ms. Siddhi Dubey,**
Project Officer, BSCL
7. **Mr. Amrinder Thaper,**
Team Leader, BSCL
8. **Mr. Adil,**
Honeywell Ltd Bangalore
9. **Prof. Ashutosh Behura,**
KIIT University, Bhubaneswar

REGISTRATION PROCESS

Registration Last Date: 7th June 2019

Only faculties of AICTE approved Institutes are eligible to apply for this program. No Registration Fee. TA & DA will be given to outstation participants as per the AICTE norms. To apply the scan copy of filled registration form approved by the head of the Institute should be sent to cse@gift.edu.in on or before 7th June 2019. Conformation will be given on first come first serve basis.

Contacts for more Information

- Dr. Sujit Kumar Panda (7873008109)
- Dr. Saroj Kumar Rout (7682838121)
- Prof. Madhusree Kuanr (7873008263)
- www.gift.edu.in

AICTE Sponsered two week FDP On Smart City & IoT : Transform Cities with Future Solution



17th -29th June 2019



Organised by :

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING,
GANDHI INSTITUTE FOR TECHNOLOGY(GIFT),BHUBANESWAR

Accredited by-NBA, NAAC(A-Grade), SIRO & IAO



GIFT

Gandhi Institute For Technology (GIFT), Bhubaneswar (abbreviated GIFT or GIFT Bhubaneswar) is a private engineering institution located in Bhubaneswar, Odisha, India. The institute is affiliated to BPUT and has been approved by AICTE. GIFT is a ISO 9001:2008 certified institute. This engineering college is accredited by National Board of Accreditation (NBA), International Accreditation Organization (IAO), NAAC with 'A' Grade, MSME Incubation Center and approved as a research center by Scientific & Industrial Research Organization (SIRO)' by Ministry of Science & Technology, Govt. of India. The institute was founded in 2007 by Balaram Panda Trust. The institute was awarded as the Most Promising Engineering College and Best Engineering College by Governor of Odisha. In 2012 GIFT Engineering College became a remote center to IIT Bombay and IIT Kharagpur for conducting ISTE workshops. The institute provides courses in B.Tech, M.Tech, MCA and MBA.

Dept of CSE

The CSE department was conceived in the year 2007 along with GIFT with a intake capacity of 60. Now it has been increased to 180. The department has also taken several initiatives to bridge the gap between industry and academia by conducting several training and certification programs, such as Robotics, DB2, RAD, Oracle, .NET, SAP to name a few. The department has also its own software development center, which has significantly contributed for the development of CMS (college management system) and this is very effectively operational. The department is running campus connect program in collaboration with Infosys Ltd. Currently it is enriched with 21 faculties and they not only contribute their knowledge to build vibrant academics, but also utilise their skills to apply the science of computing to solve real life research problems. The department lays stress on the application based aspects through laboratories, seminars, group discussions, viva-voce and project work keeping pace with the growth in computer technology. It regularly conducts Hackthons, student-startup initiative programs, seminars, conferences and faculty development programs.

Course Overview

The past couple of years the IoT have been the point of interest of the Industry, Government and the academia. It has been revolutionizing how we live, learn, work, entertain, do business and building smart cities. In view of that, there is a huge requirement for building capacity and expertise around Internet of Things. This course has been designed to introduce the faculties the upcoming technologies of IoT and its applications in Smart Cities. The focus will be on introducing Raspberry Pi, Python and doing hands on projects of Smart City applications. Basic knowledge of programing is the only requirement to attend the program.

Course Contents

- 1.Introduction to IoT
- 2.Overview of IoT Projects
- 3.Design & Protocol Stack
- 4.Sensors & Actuators
- 5.IoT Enabling Technologies
- 6.Service Discovery
- 7.Security and Privacy
- 8.Zigbee and IoT based Systems
- 9.Applications
10. Smart Cities & IoT
11. Python Programming
12. Python Packages for IoT
13. Programming Raspberry Pi with Python
14. Hands on activities and Case study implementation on Smart City Applications

Registration Form

FDP on "Smart Cities & IoT - Transform Cities with Future Solutions"
Organised by-
Dept. of Computer Science and Engineering,
Gandhi Institute For Technology (GIFT),
Bhubaneswar, Odisha.
17th to 29th June 2019

- 1.Name:
- 2.Designation:
- 3.Institution Name & Address:
- 4.Email id:
- 5.Contact Number:
- 6.Highest Educational Qualification with Specialization:
- 7.Year of Experience:
- 8.Accommodation required (Yes/ No):
- 9.Do you belong to SC/ ST (Yes/ No):

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.
Signature of the Applicant

Recommendation

Dr./Mr./Ms.....
..... is an employee of our Institute/ Organization and is hereby recommended to participate in the FDP on "Smart Cities & IoT - Transform Cities with Future Solutions" during 17th to 29 June 2019 at Gandhi Institute For Technology (GIFT), Bhubaneswar, Odisha.
Signature of the Head of Institution
(With Seal)