Institute of Technology & Science

Mohan Nagar, Ghaziabad

Faculty Development Programme on

IoT (Internet of Things) Application Development and it's Integration

with Mobile Apps & Big Data Analytics

13th to 24th January, 2020

Sponsored by

All India Council For Technical Education (AICTE)

Target Audience

Applications are invited from Faculty Members from Universities/Colleges working in the concerned discipline

Last Date of Registration
6th January 2020

Venue

Institute of Technology & Science

Mohan Nagar, Ghaziabad-201007

Mob: +91-8588000197 / 9810895490 / 9999917674 / 9911133391

Email ID : iotbda2020@its.edu.in   Website : www.its.edu.in

About The Institute

I.T.S - The Education Group is 25 years old leading NAAC Accredited & ISO 9001:2015 certified educational group of the country. It offers 20 courses to its 8000 students in its 8 Institutes spread over 4 campuses, endowed with state-of-the-art infrastructure, all modern facilities and more than 700 distinguished faculty members. Its various programmes are NBA Accredited. I.T.S - The Education Group is a renowned and established educational group offering programmes in Management, IT, Dental, Engineering, Pharmacy, Biotechnology and Physiotherapy. PGDM programme offered by I.T.S is equivalent to MBA as certified by the Association of Indian University (AIU) which is a rare recognition given to any such programmes in India.

About The Programme

Application of IoT in mobile app development can lead to a greater efficiency and better utilization of resources. Using the app, users can interact with multiple devices through a single main IoT interface. This integration will automate several processes which will give way to more smart homes and smart cities. In recent years, there has been demand of Big Data technology due to the growth of social media networks, the Cloud and smart phones. Now, there are unprecedented amounts of data, and it is up to the organizations to take advantage of Big Data to extract all the actionable and useful information.

In view of above, an AICTE Sponsored Faculty Development Programme (FDP) on "IoT (Internet of Things) Application Development and it's Integration with Mobile Apps & Big Data Analytics" is being conducted at Institute of Technology & Science, Mohan Nagar, Ghaziabad.

Who Can Attend

Faculty Members from AICTE approved Colleges & Universities working in the concerned/allied discipline may apply.

Participants

1. Maximum Number of participants allowed: 40
2. Registration Fee: Nil
3. Free Accommodation in the campus
4. Breakfast, lunch & dinner will be provided
5. Travelling Allowance for 3rd AC Train
6. Participants are advised to bring their laptops

How to Apply

• The early registration can be done on online form: **https://forms.gle/8x8cnwSCv5VF3SZ79**

• Registration form is given in this brochure and may also be downloaded from: **www.pg.its.edu.in**

• Please send filled and approved registration form on: **iotbda2020@its.edu.in**

Course Structure

Android Application Development	Introduction to activity, Intent, Layout, widget Connecting to sensors
Introduction to IoT	Introduction to Embedded Systems, Hardware and Software Components for IoT, Concepts Networking and Internet required for IoT, Integration of IoT with Android
Data Science	R Programming, Statistics and Exploratory Data Analytics, Introduction to Maching Learning, BigData and SQL, Deep Learning and Neural Networks
Research Proposal Writing	Steps of Synopsis & Types of References and Citation
Quantitative Research – An Introductory & Methods	Experimental Research & Non Experimental Research (Survey studies, Correlation Studies, Ex- Post Facto Research, Comparative Studies, Evaluation Studies)
Research Design- Quantitative Research	Literature Review, Hypothesis, Variables, Population and Sampling Techniques, Tools for Data Collection, Steps of Research Methodology
Analysis of Data- Quantitative Data	Different Statistical Techniques for Data Analysis, Graphical Representation of Data, Parametric and Non Parametric Tests 1-Sample Sign Test, Friedman test, Run Test, Mann- Whitney, Wilcoxon Test.
SPSS	T-Test One Sample, Two Sample & Paired T- Test, Z-Test One way ANOVA, Two Way ANOVA

Course Outcome

- Understanding the usability of the IoTs across various real-world applications
- Understanding of Big Data, Machine Learning & Deep Learning
- Understand and design different application and communication protocols for IoTs/WSNs
- Demonstration and Hands-on various IoT applications
- Demonstration of integration of IoTs/WSNs with cloud platform and perform data analytics
- Understand the usability of SPSS Tool

Resource Persons

Resource Persons will be experts from Industry & Leading Academic Institutions.

Registration

- There is No registration Fee.
- Registration will be done on First Come First Serve Basis
- Number of Seats: 40
- The registration form is available with Brochure and on www.pg.its.edu.in

Important Dates

- Duration: 13th January - 24th January, 2020
- Last date of Online Registration: 6th January, 2020
- Selection Notification: 9th January, 2020

Accommodation

Bedding and Lodging facility will be provided by the Institute free of cost

Certificate of Participation

On successful completion of FDP, certificate of participation will be issued

Organizing Committee

Chief Patron
Dr. R. P. Chadha
Chairman
I.T.S-The Education Group

PATRONS

Shri. Arpit Chadha
Vice Chairman
I.T.S-The Education Group

Shri. B. K. Arora
Secretary
I.T.S-The Education Group

Shri. Surinder Sood
Director-PR
I.T.S-The Education Group

Chief Coordinator
Dr. Sunil Kumar Pandey
Director-IT
I.T.S, Mohan Nagar, Ghaziabad

Core Committee

Prof. Nancy Sharma
Asst. Professor

Prof. Saurabh Saxena
Asst. Professor

Prof. K.P. Singh
Asst. Professor

Prof. Puja Dhar
Asst. Professor

Prof. Varun Arora
Asst Professor

Prof. Abhay Kr. Ray
Asst. Professor

Dr. Charu Malhotra
Asst. Professor

Dr. Sandeep Garg
Asst. Professor

iTS
GHAZIABAD
(Estd. 1995)
NAAC Accredited 'A' Grade Institute
Internationally Accredited to IAO, USA
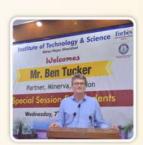NBA Accredited MCA Programme
www.its.edu.in

Institute of Technology and Science

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Institute of Technology & Science

Mohan Nagar, Ghaziabad

AICTE Sponsored

2 Weeks Faculty Development Programme
on
IoT (Internet of Things) Application and it's Integration with Mobile Apps & Big Data Analytics

13th to 24th January, 2020

Registration Form

Current Photograph

Name:..

Designation:..

Highest Qualification:..

Name of the Institute:...

Department:..

Address for Correspondence:...

Mobile: ☐☐☐☐☐☐☐☐☐☐

Email ID: ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Aadhar Number: ☐☐☐☐☐☐☐☐☐☐☐☐

Gender: Male ☐ Female ☐

Teaching Experience:..

Accommodation Required Yes ☐ No ☐

Declaration

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected I assure my presence for all sessions .

Place :_____

Date :_____

Signature

Approval from Concerned Head

Mr. / Ms./Prof./Dr._____as an employee of our institution, is hereby permitted to attend the program, if selected.

Date:_____

Signature with Seal of Head/Director