INFORMATION TECHNOLOGY DEPARTMENT

OF

L.D.COLLEGE OF ENGINEERING

Organize

TWO WEEK SHORT TERM TRAINING PROGRAMME ON

"Fundamentals and Applications of IOT, Big data and Machine Learning"

AICTE-ISTE Approved Refresher program

(iste/proceedings/STTP-SF/GUJ-19/2018-19)

(28/05/2018 to 08/06/2018)

Supported by

In Association with

About the College – L. D. College of Engineering

L. D. College of Engineering, Ahmadabad is a premier engineering college in Gujarat State set with the objectives of imparting higher education in various fields of engineering. The institute is affiliated to GTU and administrated by Department of Technical education, Gujarat State.

The Information Technology Department

L. D. College of Engineering, Information Technology Department has vision - To achieve excellence in engineering education and be the first choice for all students, society and industry where quality is the way of life and to lead in key areas such as networking, testing and web development. Department of Information Technology plays vital role in education. The department aims is to apply the knowledge and expertise on student by focusing on the overall development which will help them to meet the present and future requirements of the IT industry in global world.

About e-infochips

eInfochips, an Arrow company, is a leading global provider of product engineering and semiconductor design services. With over 500+ products developed and 40M deployments in 140 countries, eInfochips continues to fuel technological innovations in multiple verticals. The company's service offerings include digital transformation and connected IoT solutions across various cloud platforms, including AWS and Azure. Along with Arrow's $27B in revenues, 19,000 employees, and 345 locations serving over 80 countries, eInfochips is primed to accelerate connected products innovation for 150,000+ global clients. eInfochips acts as a catalyst

to Arrow's Sensor-to-Sunset initiative and offers complete edge-to-cloud capabilities for its clients through Arrow Connect.

Brief outline of the Workshop

The workshop mainly focuses on Big data, IOT, Machine learning. The course content is Basics concepts and protocols of IOT, Demonstration of ardiuno and IOT simulators, Machine learning algorithms, Python Programming, deep learning. It also covers overview an evolution Big data analytics, hadoop architecture. Lab sessions are arranged so that participants will have hands-on in IOT simulator, Python programming, and machine learning algorithms.

Resource Persons

Participants of the Workshop will be benefited by rich experience persons from Industry (e-infochips, TCS, Intellisense ITsys Pvt. Ltd.) as well as academicians from L D College of Engineering, Ganpat University.

Course Content

- IOT technology architecture and Market trends
- Software testing and framework in IOT
- IOT Application building using Raspberry PI, Beagle Bone, Qualcomm 410 ,Samsung Artik,Ti Sitara
- Big Data: Technology Overview and Market Trends
- Architecture of Major Big Data Technologies Components like Hadoop, MongoDB, Tableau
- Machine Learning: Technology Overview and Market Trends
- Architecture of Machine Learning Platforms from IBM (Watson) and QUALCOMM (Snapdragon Neural Processing Engine
- Image Analytics and Demo

Objective of the Workshop

Participants will able to

- Apply machine learning techniques in real life applications.
- Apply Big data technique to classify the Data.
- Capture Data through IOT devices and Store on Cloud for further processing.

Target Group

The Workshop is aimed at increasing the interest of faculty members form degree, diploma colleges, industry professionals and research scholars from various institute of India.

Organizing committee

Chief Patron

Dr. G.P.Vadodaria, Principal, L.D.College of Engineering.

Advisors

Dr.H.M.Diwanji , HOD IT Dept, LDCE.

Dr. M.C.Parikh , Dr Chirag Thaker

Coordinators

Prof. B.B.Panchal

Co-Coordinators

Prof. J.S.Vithalpura, Prof. S. J. Patel

Committee Members

Prof. S. A. Solanki,Prof. M.K.Panchal

Prof. A.J.Patel, Prof. P.R.Patel, Prof. M.B.Patel

Prof. A.C.Patel, Prof. N.P.Desai

Venue

Information Technology Department,
L D College of Engineering
Navrangpura Ahmedabad-380015
Phone: +91-79-26306752, 26300735
Email: - head_it@ldce.ac.in

Registration Charges

STTP COST: -   Rs 4000/-

Total STTP Registration Fee: - Rs.4000/-

Important Dates

Last date for Registration   :   22/05/2018

Declaration of the
Short-listed participants   :   25/05/2018

How to apply

Preferably, **Lifetime ISTE Members** will be accommodated in the training program. After approval of authority (for faculty), the form should reach us on or before 24th May 2018. Candidate should send dully filled scanned copy to Prof N. P. Desai, on head_it@ldce.ac.in and hard copy should be brought on first day of training. All participants have to pay RS. 4000/- Registration fee
For the payment process ask contact persons.

And also apply through Google form:
https://goo.gl/forms/z4ChctfW7ZmYDj7G2
Applying through Google form is compulsory.

For further query contact:

Prof N. P. Desai (Co-Coordinator)

Mobile: 9879606051,

Prof. P. R. Patel (Co-Coordinator)

Mobile: 9925033054
Send scanned soft copy through mail and submit hardcopy on first day of this STTP.

Registration Form
"Fundamentals and Applications of IOT, Big data and Machine Learning
28th May 2018 to 8th June, 2018

1. Name: _____

2. Designation: _____

3. Department: _____

4. Institute:_____

_____

5. Address: _____

_____

_____

6. Mobile no:_____

7. E-mail Address: _____

8. Qualification: _____

9. ISTE Membership Number_____

 * Participant will be informed by email. No TA/DA

and No accommodation will be provided.

Date: **Signature of Applicant**

Place: **Signature of Sponsoring authority & Seal**