

About the Institution

Velammal Engineering College is chaired by dynamic Shri. M. V. Muthuramalingam, a Professional Engineer and proven personality with hands on experience in imparting perfect education through 33 Educational Institutions belonging to Velammal Educational Trust which was established in 1986. VEC is approved by All India Council for Technical Education (AICTE) and is affiliated to Anna University, Chennai. It is an ISO 9001:2008 certified institution and is also accredited by NAAC. VEC is one among the top 10 self – Financing Engineering institutions in Tamil Nadu. VEC is recognized as a nodal center under TIFAC-CORE, DST. MOUs are signed with reputed organizations in India and abroad. Presently, VEC offers 9 UG Programs and 3 PG Programs in various branches of Engineering and Technology.

About the IEDC

Velammal Engineering College, Chennai has established NewGen Innovation and Entrepreneurship Development Centre (NewGen IEDC) in 2017. New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC) is the programme launched by National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Government of India for five years with total grant of Rs 2.87 Crores. NewGen IEDC will aim to inculcate the spirit of innovation and entrepreneurship amongst the young S&T students, encourage and support start-up creation through guidance, mentorship and support. Students are encouraged to take up innovative projects with possibility of commercialization.

Chief Patron

Shri. M.V. Muthuramalingam,
Chairman, VET
Shri. M.V. M. Velmurugan,
CEO, VET.

Co-Patron

Dr. M. Balasubramanian,
Advisor, VEC
Dr. N. Duraipandian,
Principal, VEC
Dr. B. Venkatalakshmi,
Vice Principal, VEC

Conveners

Dr. A. Balaji Ganesh
Mr. A. Pravin Renold
Department of Electrical and Electronics
Engg.,

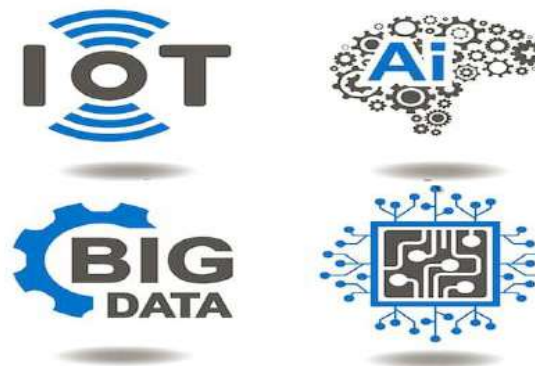
Coordinator

Dr. Jeeva Katiravan, Prof & Head
Department of IT & NewGen IEDC
Coordinator

Resource Persons

Experts from Industries and Academicians.

WORKSHOP ON APPLYING MACHINE LEARNING TO INTERNET OF THINGS (IOT) DATA



21st January to 25th January, 2019



Organized by



**New Generation Innovation and
Entrepreneurship Development Centre**
(Under the aegis of NSTEDB, DST, Govt. of India)

Velammal Engineering College,
Ambathur - Redhills Road, Surapet,
Chennai-600066, Tamilnadu.

Contact: 044-3966 6014

Fax: 044-2659 1771

www.velammal.edu.in

About the Seminar

IoT emerges as backbone architecture in various industrial applications. Similarly, there is an urgency to apply machine learning algorithms to the data collected by IoT architecture. The student will get practical exposure on various algorithms associated and also relevant hardware platforms. The programme is planned to provide theory, practical as well assignment project exposures.

Course Topics

Introduction:

- ❖ Protocol stack and the IoT Layered Architecture
- ❖ Product Management

Machine Learning in IoT Platform

- ❖ Functional data flows in IoT Decision framework
- ❖ Algorithms, Data Analysis and Data handling

The Technology of ML to IoT

- ❖ Creation of an ML integrated IoT device
- ❖ Computational and Communication strategies
- ❖ Criteria for selection of a Cloud platform
- ❖ AI based Cloud applications

ML to IoT Security

- ❖ Security challenges in IoT
- ❖ Physical security
- ❖ AI based Cyber security
- ❖ Identifying and prioritizing security risks

Standards & Regulations

- ❖ Technology standards
- ❖ Industry standards
- ❖ Impact of regulations on an MI enabled IoT product

Eligibility

Students pursuing graduate and post graduate of any streams from recognized institution.

Boarding and Lodging

Accommodation and boarding if required will be provided in the college campus on chargeable basis to the participants.

Registration

Student : Rs 1000/-
DD should be drawn in favor of "Velammal Engineering College NewGen IEDC", payable at Chennai.

Important Dates

Last date for submission of
Registration Form : 15.01.2019

Address for Communication

Please send completed registration form(s)
both soft & hard copy along with the DD to:

Dr. A. Balaji Ganesh,
Professor
NewGen IEDC Project Coordinator,
Velammal Engineering College,
Ambathur - Redhills Road,
Surapet, Chennai – 600066
Ph: 044-39666005, +91-9842791925
Mail id: abganesh@velammal.edu.in

REGISTRATION FORM

1. Name:
2. Age & Date of Birth:
3. Gender:
4. Category : Gen / SC /ST/OBC/Minority
5. Aadhaar Number:
6. Department & Year:
7. Name of the institution
8. Address for communication

Email _____

Mobile _____

9. Hostel Requirement: Yes / No
10. Payment details
11. DD No. _____ & Date _____
12. Name of the Bank:
13. Place & Date:

Signature

DECLARATION:

This is to certify that Mr. / Ms.
_____ is a student of our
organization and is sponsored to attend this
workshop.

Signature of the HOD with seal