

## REGISTRATION DETAILS

One week Short Term Training Program on  
MACHINE LEARNING FOR INTERNET OF THINGS  
22<sup>nd</sup> APRIL - 27<sup>th</sup> APRIL, 2019

Name \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Mob No: \_\_\_\_\_

Email Id: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Category :  PG Student  Research Scholar  
 Faculty  Industry Person

Mode of Payment(DD/cheque): \_\_\_\_\_

Registration Fees: \_\_\_\_\_

DD/Cheque No: \_\_\_\_\_ Dated: \_\_\_\_\_

Issuing Bank: \_\_\_\_\_

I shall attend the entire programme for the entire duration. I also undertake the responsibility to inform the coordinator well in advance, in case I am unable to attend the training programme. No TA/DA will be paid. Registration Fee is nonrefundable. Accommodation will be provided on a first come first served and chargeable basis only.

Signature  
(Applicant)

Signature and Seal  
(Institute Head)

**Chief Patron**  
Er. Bhikhubhai B. Patel  
(Hon. Chairman, Charutar Vidya Mandal)

**Patron**  
Shri Manishbhai S. Patel  
(Hon. Vice President, Charutar Vidya Mandal)  
Dr. Bhaveshbhai Patel  
(Hon. Vice Chancellor, CVM)  
Dr. S. G. Patel  
(Hon. Secretary, CVM)

Shri Mehulbhai Patel  
(Hon. Jt. Secretary, CVM) Er. M. J. Patel  
(Hon. Jt. Secretary, CVM)  
Shri B. P. Patel  
(Hon. Jt. Secretary, CVM) Dr. Nikhil Zaveri  
(Director General, CVM)

### President

Dr. Himanshu Soni  
(Principal, GCET)

### Convener

Dr. Maulika S. Patel  
(Professor and Head, CP Department)

### Coordinators

Prof. Priyang Bhatt  
Prof. Brijesh Patel  
Prof. Hiren V Mer  
(Assistant Professor, CP Department)

### Programme Team Members

Prof. Hetal Gaudani  
Prof. Kinjal Joshi  
Prof. Namrata Dave  
Prof. Krushna J Pandit  
Prof. Sneha Vyas  
Prof. Khyati Mehta  
Prof. Chhaya Zala  
Prof. Priyanka Pursani

### Resource Persons

Experts from various premier institutes and industries  
across the state.

### For Correspondence

Prof. Priyang Bhatt: 06351396145  
Prof. Hiren V. Mer: 09227885688  
E MAIL: sttpgcetcp2019@gcet.ac.in



CHARUTAR VIDYA MANDAL



GUJCOST



Department of Science & Technology  
Government of Gujarat

DEPARTMENT OF  
SCIENCE & TECHNOLOGY

**ONE WEEK  
GUJCOST SPONSORED  
SHORT TERM TRAINING PROGRAMME**

On

**MACHINE LEARNING FOR INTERNET OF THINGS**

22<sup>nd</sup> APRIL - 27<sup>th</sup> APRIL, 2019



**ORGANISED BY  
Department of Computer Engineering**



G H Patel College of Engineering & Technology  
(A Charutar Vidya Mandal Institution)  
Vallabh Vidyanagar - 388120, Gujarat, India  
Tel.: (02692) 231651; Fax: (02692) 236896  
Website: www.gcet.ac.in

## ABOUT PROGRAMME

The increasingly connected world combines with devices that are producers and consumers of information, low-cost sensors, and distributed intelligence whose interaction will be facilitated by the Internet of Things (IoT). Machine Learning can help millions of machines, get together to understand what people want from the data generated by human beings. It plays an essential role in IoT aspect for handling the huge amount of data generated by IoT enabled devices and it gives IoT and those machines a brain to think, which is called “embedded intelligence”. This Short-term training program aims for bringing together the researchers, teaching fraternity, industry persons and postgraduate students from across the state to exchange the innovation ideas face-to-face. This program will cover the various techniques, tools applications and issues using the Internet of Things and Machine Learning.

## ABOUT MANAGEMENT

Charutar Vidya Mandal (CVM) is a registered charitable trust established in 1945. Since its inception, the trust has been striving for the upliftment of rural society through education. Today CVM manages 49 educational institutes providing pre-primary to post-graduation in all fields of learning. CVM is always blessed with exemplary leadership qualities. It is being governed by stalwart and a great visionary Er. Bhikhubhai B. Patel.

## ABOUT THE INSTITUTE

Vallabh Vidyanagar, named after the late Sardar Vallabhbhai Patel – the 'Iron Man of India' – has over the last fifty years been developed into a well-known seat of learning. The educational township established in 1946,

established in 1946, today provides preprimary to postgraduate education. Shri Gordhanbhai Hathibhai Patel, an eminent philanthropist of Gujarat, made a generous donation of Rupees Three Crores for the new college. In -of this magnanimous gesture, the college started functioning in 1996 and has been named G H Patel College of Engineering & Technology, popularly known as GCET. UG and PG level courses are offered by the various departments of GCET.

## ABOUT THE DEPARTMENT

A bachelor's programme in Computer Engineering was started in the Academic Year 1999-2000 with an intake of 40 students. Our Current intake is 60 students. The department has given its first meritorious batch of Computer Engineering graduates in July 2003. Majority of the graduate students are well placed at Intel, Sybase, TCS, Infosys etc. Many of our passed out students have pursued higher studies. The Department has excellent laboratory facilities both for teaching and research. The Department organizes workshops, seminars in various specialties for the benefit of engineering college teachers and professional engineers. The Bachelor of Computer Engineering programme is accredited by the National Board of Accreditation, New Delhi for 3 years from 15<sup>th</sup> March 2012. Dedicated, young and well-qualified faculty members are an asset to the department. Department student's were awarded with prestigious Shri Dewang Mehta IT award for their projects in year 2014, 2016 & 2018 respectively.

## WHO SHOULD ATTEND?

M.E / M.Tech. Students / PhD Scholars, Faculty Members and Industry Person who wants to get exposure in these domains.

## COURSE CONTENT

- Introduction to Internet of Things (IoT)
- IoT Architecture & Protocols
- Introduction to Arduino programming & Proteus
- Introduction to RaspberryPi & NodeMcu with interfacing different Sensors and Actuators.
- ArduPi Communication
- Node Red Programming for Raspberry Pi
- Mobile Application Development for IoT
- Introduction to Machine Learning
- Supervised and Unsupervised Learning
- Performance analysis of different ML algorithms.
- Feature Extraction, Regression and Clustering
- ANN, Deep Learning
- Introduction to Python for Machine Learning

## REGISTRATION DETAILS

### Important Dates

Last Date of Registration: 1<sup>st</sup> April 2019  
Intimation of Participation: 8<sup>th</sup> April 2019

### Registration Fees:

PG Students: Rs. 700/-  
Faculty/Research Scholar : Rs. 1000/-  
Industry Person: Rs. 1500/-

The course fee includes Registration kit, High tea, Snacks, Lunch and Certificate. Registration fees will be accepted through DD/Cheque in favor of “G H Patel College of Engineering & Technology”, payable at Vallabh Vidyanagar.

### Send Registration form with cheque/DD to:

Department of Computer Engineering,  
G H Patel College of Engineering & Technology,  
Bakrol Road, Vallabh Vidyanagar – 388120

### Applicant has to fill an online form:

<https://bit.ly/sttpgcetcp2019>