



# COFFEE & CODE;

An initiative by the Department of Computer Engineering.

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## VISION

To be recognized as a department that provides quality technical education and research opportunities that eventually caters to helping and serving the community.

## MISSION

- To groom the students to participate in curricular and co-curricular activities by providing efficient resources.
- To motivate the students to solve real-world problems to help the society grow.
- To provide a learning ambience to enhance innovations, team spirit and leadership qualities for students.

### CONTAGION



HUMAN CONTACT



AIR TRANSMISSION



CONTAMINATED OBJECTS

### PREVENTION



HANDWASHING

Lorem ipsum dolor sit amet, consectetur adipiscing elit.



USE MASK

Lorem ipsum dolor sit amet, consectetur adipiscing elit.



AVOID CONTACT WITH ANIMALS

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

*As The Corona virus-or to be precise Covid-19- spreads around the world, getting accurate Information about the disease becomes more important*

**--BBC**

In Association with



(Computer Engineering Student Association)

Team

: Mr. Ayush Shetty,  
Mr. Keshav Shrivastav,  
Mr. Purvesh Gosalia,  
Mr. Tejas Gudulekar

Faculty

: Mr. Sridhar Iyer,  
Mrs. Hezal Lopes,  
Ms. Apurva Chaudhari

# VYRO 2020

On the 13th of Feb, Universal College of Engineering hosted its much-awaited flagship national level tech fest, VYRO 2020. The intercollegiate fest included different events for students of various streams.

Our Computer and IT department led with events such as Speed Debugging, Blind Code, n-Code where the participants were challenged with Code. The ETRX/EXTC department flaunted their robotic events such as Robo Carrom, Robo Soccer, etc. while the Civil department had its own set of events for the attendees. Techfest also included popular LAN Gaming and fun events for the students.

This year the event saw a wave of enthusiasm from students of around 57 different colleges and with the total footfall being more than 1800. Overall VYRO 2k20 was a memorable event and on behalf of the whole coffee & code team, we appreciate every faculty and student member who helped to make it a massive success.



*Campus director Dr J.B Patil with Honorable Chief guests Mr Sanjeev Rane and Mr Pradeep Kabra.*



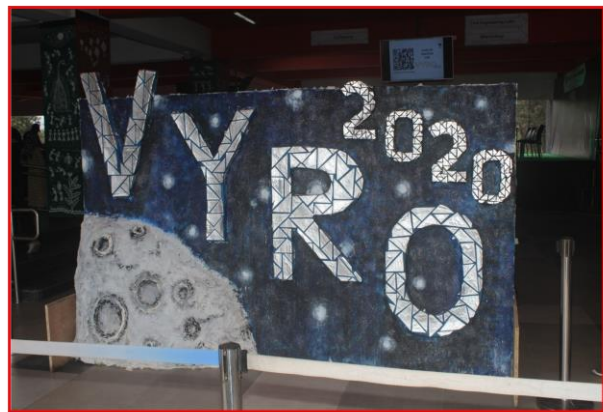
*Robo Soccer*



*Glow Football*



*Band Performance by the famous "Left Turn" Band*



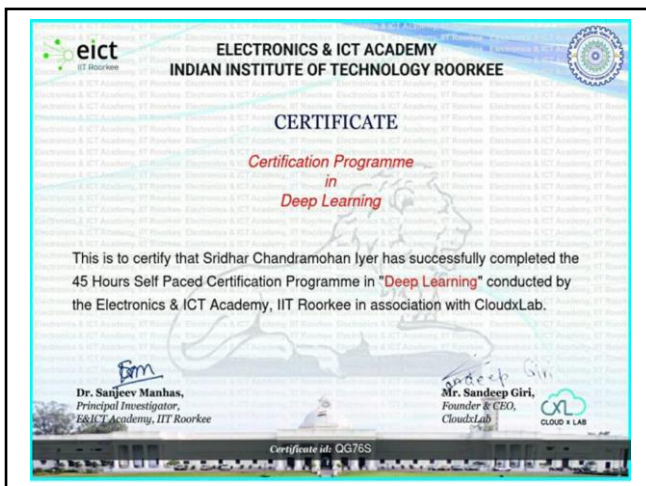
*VYRO 2020 model designed by our Creative Team*

## Faculty Activities and Achievements

**Mr Sridhar Iyer's Successful Completion of  
"Deep Learning", "Machine Learning",  
"Machine Learning Specialization" & "Python for Machine Learning"  
Conducted by  
Electronics & ICT Academy, IIT Roorkee**

Adding another feather to his cap, **Mr Sridhar Iyer** completed his certification courses of four crucial and prevalent digital technologies. These certifications were on **"Deep Learning"**, **"Machine Learning"**, **"Machine Learning Specialization"** & **"Python For Machine Learning"**. The certification was from the prestigious **"Electronics & ICT Academy, IIT Roorkee"** and the course was in association with CloudxLab. Electronics & ICT Academy of IIT Roorkee, providing training programs and hands-on learning in basic and advanced topics and emerging technologies in the Electronics and ICT domain.

The course expands on Mr Iyer's already impressive pool of knowledge and subject of expertise. This is an addition in the string of achievements for Mr Iyer, such as being a certified Ethical Hacker, publishing a book on digital forensics etc.



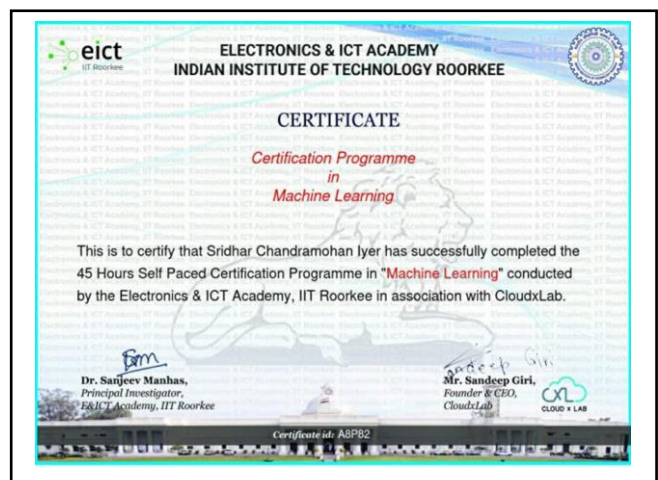
**Certificate on "Deep Learning"**



**Certificate on "Python for Machine Learning"**



**Certificate on "Machine Learning Specialization"**



**Certificate on "Machine Learning"**

## Mock Practice for OSM

Conducted by **Mr Sridhar Iyer** and **Ms. Apurva Chaudhari**



*Online CAP Incharge Mr Sridhar Iyer and Ms. Apurva Chaudhari conducting the session.*

A mock practice session for **OSM (Online Screen Marking)** was conducted on 18/02/2020 in the computer center. Online CAP(Centralised Assessment Program) incharge **Mr. Sridhar Iyer** and **Ms. Apurva Chaudhari** conducted this workshop for the staff who assess the paper online. As there has been an upgrade for the software, the changes and new features that were added to the newer version have to be understood by all the staff in order to assess the paper by the upgraded version. Mr.Sridhar Iyer and Ms. Apurva Chaudhari being the online exam coordinator were responsible for this mock practice and undertook the activities of explaining new features, changes and also demonstrated how to assess the paper by the upgraded software



## Python Workshop for Staff

Conducted by **Ms Dhvani Bharot**

**Python** is one of the most in demand technical skill today. Keeping up the pace with industry , Our college organized hands-on python workshop for all the teaching and non-teaching staff on 01/02/2020. The speaker and trainer for the workshop was **Ms. Dhvani Barot** (Assistant Professor). The workshop was conducted for 2 hrs and had covered the beginner's topic of the python. 16 Teaching faculties and 07 non-teachings faculties have attended this workshop.

The Topics covered are:

- 1) **Data Types in Python,**
- 2) **Operators,**
- 3) **Conditional Statements,**
- 4) **Print and Input Statements**
- 5) **Array, Numpy, Local and global variables**

The result of the workshop was concluded as successful. Every staff attendee acknowledged the scope and potential of python and the confidence in their abilities to work with python.



*Ms Dhvani Barot conducting the session*

## Events

### Industrial Visit

#### Visit to Food Processing Unit and Children Garden Studio

**Women Development Cell** of Universal College of Engineering had organized a one-day industrial visit at the **Food Processing unit** and **Children garden Campsite studio** on 7th Feb 2020. 50 students along with 10 female faculties have participated in the visit. The first visit was conducted to Children Garden Studio, Naigaon. An impressively big film studio, it has the honour of being utilised by **Colours TV** channel for Serial **“VIDYA”**. Here students got to see the shooting, professional editing, and camera detailing. All technical aspects for film making and designing were explained in detail by **Mr Bharat Maurya**, proud owner of the studio. Following the first, second visit for the day, students were taken to the Food Processing Unit where students saw various machinery, food processing and quality testing units in the industry. All processes which were carried out in the industry from grinding, steaming, frying, testing, packaging were explained with different technical aspects to the students. Visit ended with an evening snack at 4.30 pm.



*Mr Bharat Maurya leading the tour*



*Students and Faculty members at the IV*

### National Level Awareness Program

#### In Association with MSME

**Computer Department** of Universal College of Engineering had conducted the **National Level Awareness Program (NLAP 2020)** in association with **MSME** on Monday 24th Feb 2020. The MSME stands for **"Ministry of micro, small and medium enterprises"** which funds students for their innovative ideas and start-ups. This session helped the students to understand various government schemes and activities related to production, training, testing and business development. **Mr. Anilji Telam** (Assistant Director of MSME Testing Center, Andheri) addressed the students about eligibility, benefit, application procedure, selection criteria, and various other opportunities that are offered by the government of India and also guided them with how to avail these opportunities on your pathway of becoming an entrepreneur. **153 students** along with 5 faculties attended this session and the Program ended with a question-answer session.



*The panel of dignitaries for the MSME program*



*Students from third year of all the branches showed up in large numbers*

## Workshop on Web Development

**Conducted by Raj Shah, CSI**

Learning is a continuous and dynamic process. **The CSI student branch** arranged a workshop on "**Web Development**" on Monday, 10th February 2020,. Raj Shah, student of the TE-Comps, was the speaker/trainer for this workshop. The workshop gave an insightful overview of web development and helped the students to understand the basics of web development by having hands-on practice.

Topics covered in this workshop:

- 1) **HTML/HTML5**
- 2) **CSS**
- 3) **Server Side Scripting**
- 4) **Introduction to Laravel Framework**



***Mr. Raj Shah amid session on Web Development***

## UPCOMING EVENT

### IETE-ISF National Level Project Exhibition cum Poster presentation competition

**Organised on 13 March, 2020**

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Universal college had successfully organized the project exhibitions and poster presentations since the last 5 years. Maintaining the momentum, here's the poster for the **6<sup>th</sup> National Level Project Exhibition cum Poster Presentation**.



**Vidya Vikas Education Trust's**  
**Universal College of Engineering**  
 Accredited with B+ Grade by NAAC  
 (Permanently Unaided | Approved by AICTE, DTE & Affiliated to University of Mumbai)  
 Near Bhajansons and Punyadham, Kaman Bhiwandi Road, Vasai, Palghar-401208.



**DTE Code: 3460**

## IETE - ISF invites you to participate in 6<sup>th</sup> National Level Project Exhibition cum Poster Presentation

#### About the Event

Our college hosts this National Level Event annually, for the budding and aspiring engineers, researchers of our country to help them understand the connection between science, technology and real-life situations. The key purpose for hosting this event is to provide a platform to intellectuals for showcasing their brilliant ideas in the form of projects and poster. Participation being from across the country, it gives an opportunity to every participant to gauge themselves about their standing in India. Our transparency in judging and awarding has been appreciated by most of the participating institutions and we have a progressive rise in the count of the registrations, **391 groups (1,630 participants) in 2018 and 553 registrations (1632 participants) in 2019** from across India.

#### Prize Money

Level	Prizes	Category 1	Category 2	Category 3	Category 4
UG	Winner	3000/-	3000/-	3000/-	3000/-
	1 <sup>st</sup> Runner Up	2000/-	2000/-	2000/-	2000/-
	2 <sup>nd</sup> Runner Up	1000/-	1000/-	1000/-	1000/-
Diploma	Winner	3000/-	3000/-	3000/-	3000/-
	1 <sup>st</sup> Runner Up	2000/-	2000/-	2000/-	2000/-
	2 <sup>nd</sup> Runner Up	1000/-	1000/-	1000/-	1000/-
Consolation Prize		7000/-			

#### Eligibility Criteria

- Diploma Students
- UG Students (FE, SE, TE, BE)

#### Categories:

Category 1: - Electronics and all applied branch  
 Category 2: - IT / Computer  
 Category 3: - Civil  
 Category 4: - Mechanical / Automobile

#### Instructions

- Maximum 4 students per team (A team of 2, 3 or Individual entries accepted).
- No restrictions on presentation format.
- Time for event will be from 9 am to 5 pm.
- Participants need to carry their college I-cards.
- All the participants will get National Level Participation certificate.**
- Simulation based projects are also welcome, idea based models are accepted (Poster/Partial projects).
- Poster with details of the project can be prepared on cardboard or chart paper (any size).
- The organizer shall not be obliged/ responsible to provide other utilities like air compressor, oscilloscope, computer, stabilizer, etc.
- E-Projects requiring computer must bring laptops and other required accessories.
- Judging will be completely based on merit of the project's idea.

#### Registration Details (Per participant):

Online link for registration: <https://bit.ly/6NLPECP>  
**Registration charges:**  
 Diploma = Rs. 50 per Participant  
 UG = Rs.100 Per Participant  
 Spot Entries are also allowed with registration charges  
 Diploma= Rs. 100 Per Participant  
 UG= Rs. 200 Per Participant

#### About the College

Universal College of Engineering was established in 2012 as a part of Vidya Vikas Education Trust's, affiliated to University of Mumbai. With its unique location, our College offers a spacious and serene learning environment. Our College offers B.E. courses in Civil, Computer, I.T., ExTC and Electronics Engineering. Our Campus boasts of spacious classrooms, well equipped laboratories, state-of-the-art presentation equipments, an expensive library, intimate tutorial rooms and Literati cafe.

**EVENT DATE**  
**13<sup>th</sup> March 2020**  
**Last Date for Registration**  
**11<sup>th</sup> March 2020**



Scan for College Location

#### Student Coordinator

Harshit Singh : 7798968631  
 Akhil Thakkar: 7028769376  
 Utsav Bheda - 7977036526  
 Nishant Vekariya - 9028759596  
 Swami Samant-9920265084  
 Shubham Patil -9130503042

#### Venue

Universal College of Engineering  
 Near Bhajansons and Punyadham,  
 Kaman-Bhiwandi Road, Vasai.

#### Bus facility from Borivali, Vasai and Thane on first cum first serve basis. (30 to 45 minutes from Borivali, Vasai and Thane railway station)

# What exactly is “Corona Virus” ?

## What is Corona Virus?

Corona viruses are a family of viruses that cause disease in animals. Seven, including the new virus, have made the jump to humans, but most just cause cold-like symptoms.

Two other type of corona viruses “**Middle East respiratory syndrome (Mers)**” and “**severe acute respiratory syndrome (Sars)**” are much more severe, having killed more than 1,500 people since 2002.

The new virus, officially called **Covid-19**, is also dangerous - so far, around 20 per cent of confirmed cases have been classed as severe or critical. Around 15 to 20 per cent of hospital cases have been classed as "severe" and the current death rate varies between 0.7 per cent and 3.4 per cent depending on the location and, crucially, access to good hospital care.

This is much lower than fatality rates for Mers (30 per cent) and Sars (10 per cent), but still a significant threat.

## How did the outbreak start?

The source of the corona virus is believed to be a "wet market" in **Wuhan** which sold both dead and live animals including fish and birds.

## How many people have died from the disease so far?

More than **100,000** cases have been confirmed since the outbreak started, and the death toll has exceeded **3,400**. The vast majority of cases are in China, but the virus has spread to more than 80 other countries.

## Is there a cure for the coronavirus?

There is no specific treatment, although doctors are trying with existing drugs for viruses such as Ebola and HIV. Early results seem promising but, until full clinical trials have been concluded, doctors cannot be certain that the drugs are effective.

Work to develop a vaccine is accelerating, but this work has been complicated by the virus mutating into a second strain.

## What are the symptoms of corona virus?

Common signs of infection include **respiratory symptoms, fever, cough, shortness of breath and breathing difficulties**. In more severe cases, infection can cause **pneumonia, severe acute respiratory syndrome, kidney failure and even death**.

## How to protect yourselves and others?

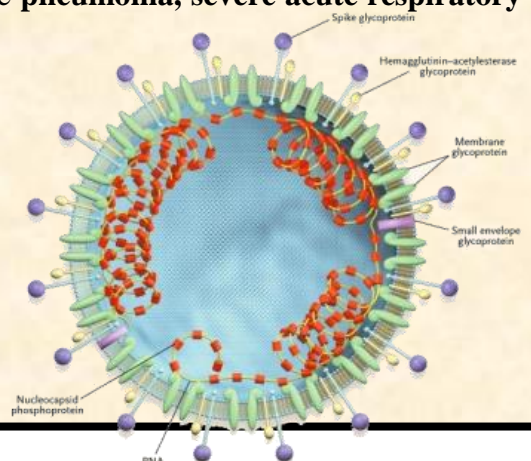
Cover your mouth and nose with a tissue when you cough or sneeze

Seek early medical help

avoid direct, unprotected contact with live animals

Wash your hand

Thoroughly cook meat and eggs



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