



Vidya Vikas Education Trust's

Universal College of Engineering

(Permanently Unaided | Approved by AICTE, DTE & Affiliated to University of Mumbai)

(Accredited with B+ Grade by NAAC)

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.

PROGRAM EDUCATIONAL OBJECTIVES

The graduates will:

- PEO 1) Establish a career in the field of computer engineering
- PEO 2) Pursue higher education or become entrepreneurs
- PEO 3) Be lifelong learners



V. Nanammal

India's Oldest Yoga Instructor
Nari Shakti Puraskar (2016),
Yoga Ratna award (2017)
Padma Shri award (2018)

“

I never stopped practising yoga at any point in my life. That is the secret of my health

”

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Departmental Activities

Workshop conducted on “Adobe Photoshop”

DATE: 18th June 2019

VENUE: Lab 514

TIMING: 9:00 am to 1:00 pm



An interactive session on “Adobe Photoshop” was being conducted by one of our Alumni student of BE comps ,Mr.Ayush Gajjar. Ayush is highly skilled and two time national level event nominee and state level of Mumbai University Organised Youth Festival Runner up. The session was conducted for all teaching faculties. The session successfully covered all the important aspects and basic insights on User Interface and important level designs of Adobe Photoshop.

This session was very useful to all the staff members who had participated in the session. They learned to prepare different size posters and pamphlets. They also learnt how to use layers, design logos , design flyers , handouts etc.

Departmental Activities(cont.)

Guest Lecture on “Transfer Learning”

DATE: 19th June, 2019

VENUE: Lab 218

TIMING: 9:00 am to 1:00 pm

A session was being conducted by Dr. Arti Karade from SPIT. Mam started her session with fundamentals of Machine learning, Deep learning and then gradually introduced us to the world of Transfer learning. By giving real time examples she also cleared the concepts of classification, regression etc.

Mam had also taken a hands-on session on Deep learning and Machine Learning. Data set swere given for cats and dogs in the form of images and by applying algorithms the machine was made to learn by feature extraction systems which can predict whether given animal is cat or dog. We also came to know the nuances of Convolutional Neural Networks and Artificial Neural Networks to distinguish between various elements through a given image as input. The session was very intriguing and interesting.



Departmental Activities (cont.)

Great is the art of beginning, but greater is the art of ending

Like its said aptly, “All good things must come to an end”, Our Former Head of the Department , Dr. Ekta Upadhyay bid farewell to the Universal College of Engineering , especially the Department of Computer Engineering for better prospects. Her stay at the Universal College of Engineering would be cherished by all of us for a long time. She had a short but sweet tenure with us.

She was one of those very few people who were able to leave a positive impression on all of us since their very first day at UCOE. We still remember her statement during her very first interaction with her fellow department staff. ***“I am among those who follow deadlines very strictly”***. That one statement was coined in our memories and its one of the traits which we believe is still imparted within us till date. We never missed any deadline following that day.

We all enjoyed her stay and learned a lot from her. We wish her all the very best for her future endeavors.



Agent Smith virus hides in WhatsApp, infests 1.5 crore Android phones in India: What is it, should you worry ?

Aptly named, Agent Smith virus is taking over Android phones across the world. It has so far infected over 25 million phones of which over 15 million (over 1.5 crore) are in India. The virus, which serves ads on the infected phones, spreads through third-party app stores like 9Apps and once it is on a phone, it hides itself by changing its name to a regular-looking app like Google Updater.

The information has been revealed by Check Point, a company that makes security apps and often provides guidance on cyber security threats. "Disguised as a Google-related application, the malware exploits known Android vulnerabilities and automatically replaces installed apps with malicious versions without users' knowledge or interaction... Dubbed Agent Smith, the malware currently uses its broad access to the devices' resources to show fraudulent ads for financial gain, but could easily be used for far more intrusive and harmful purposes such as banking credential theft and eavesdropping," noted Check Point.

The way Agent Smith works is scary and ingenious. Check Point reveals that the Agent Smith mostly spreads through third-party app stores like 9Apps. Google's own Play store is regulated in a better way, something that makes it difficult -- but not impossible -- for malicious code or virus like Agent Smith to spread on Android phones.

At the same time, Agent Smith also starts injecting its code into the bits of other popular apps like WhatsApp and Flipkart. This code is then used to serve more ads to users.

Given the way it works, detecting Agent Smith is very difficult. "The malware attacks user-installed applications silently, making it challenging for common Android users to combat such threats on their own," said Jonathan Shimonovich, Head of Mobile Threat Detection Research at Check Point Software Technologies. "Users should only be downloading apps from trusted app stores to mitigate the risk of infection as third party app stores often lack the security measures required to block adware loaded apps."

Does your Android phone have Agent Smith or is your WhatsApp infected ?

"So far, the primary victims are based in India though other Asian countries such as Pakistan and Bangladesh have also been impacted. Check Point has worked closely with Google and at the time of publishing, no malicious apps remain on the Play Store," the company notes.

But it is possible that your Android phone may have it. If you are getting too many ads on your phone, particularly sleazy or dubious ads, scan your phone with a good anti-virus app. At the same time, always follow good security practices. These are:

-- Don't download apps from third-party app stores like 9Apps. It's not worth it, even if you are getting a APK of a paid app for free. If it's free, do understand someone somewhere is benefitting from it. Always download apps from the official Google Play store.

-- If you suspect your phone is infected with Agent Smith, delete data of popular apps like WhatsApp and Flipkart by going into settings and reinstall these apps. Or rather do a factory reset.

-- Ideally, avoid sleazy apps or gaming apps from unknown sources.

-- While installing an app, carefully look at the permission it is asking for. Ideally, a gaming app should not ask for camera permission or photo app should not ask for network permission. Don't install an app if it seems dubious.

SOURCE : <https://bit.ly/2NMMvWN>

This Man in Hyderabad is Making Fuel out of Plastic and Selling it for Rs 40 a Litre.



A 45-year-old mechanical engineer from Hyderabad has come up with a novel idea of making petrol out of used plastic. Professor Satish Kumar, who has founded a company registered with the ministry of micro, small and medium enterprises, said the three-step process of converting plastic into fuel is known as plastic pyrolysis.

“The process helps recycle plastic into diesel, aviation fuel and petrol. About 500-kg of non-recyclable plastic can produce 400 litres of fuel. It is a simple process which requires no water and doesn’t release wastewater. Neither does it pollute the air as the process happens in a vacuum,”.

Since 2016, the professor has converted 50 tonnes of ‘end-life’ plastic (that cannot be recycled) into fuel. At present, his company is producing 200 litre of petrol on a daily basis out of 200kg of plastic and selling the same at local industries for Rs 40/50 per litre.

However, the usability of this fuel for vehicles is yet to be tested. All kinds of plastics, except PVC (polyvinyl chloride) and PET (polyethylene terephthalate), can be used without the need for segregation.

“Our main aim behind starting this plant is to help the environment. We are not expecting commercial benefits. We are only trying to do our bit to ensure a cleaner future. We are ready to share our technology with any interested entrepreneur,” he said.

SOURCE: <https://bit.ly/30wrCk0>

Guru Poornima



The first full moon after the summer solstice in the month of Ashadha (July-August), is known as Guru Purnima. This sacred day marks the first transmission of the yogic sciences from Shiva – the Adiyogi or first yogi – to his first disciples, the Saptarishis, the seven celebrated sages.

Thus, the Adiyogi became the Adi Guru or first Guru on this day. The Saptarishis carried this knowing throughout the world and even today, every spiritual process on the planet draws from the spine of knowing created by Adiyogi.

The word “Guru” in Sanskrit is translated as “dispeller of darkness.” A Guru dispels the seeker’s ignorance, allowing him to experience the source of creation within. The day of Guru Purnima is traditionally the time when seekers offer the Guru their gratitude and receive his blessings. Guru Purnima is also considered an especially beneficial day to practice yogic sadhana and meditation.

This year we are celebrating Guru Poornima on 16th of July , 2019

Activities at UCOE



As a positive habit being developed since the last few years, this year also we celebrated the International Day of Yoga at UCOE, organised by the NSS Cell of UCOE. Around 90 participants were present for the Yoga Session conducted by Mr. Rajesh Patil and team from the Ambika Yogashram.

Her story at a glance



Derived from the Sanskrit word Yuj, Yoga means a union of the individual consciousness or soul with the Universal Consciousness or Spirit. Yoga is a 5000-year-old Indian body of knowledge. The science of Yoga imbibes the complete essence of the Way of Life.

People who teach yoga are quite young or usually not older than 50 years. V Nanammal of Coimbatore in Tamil Nadu is a contradiction to the fact as she is a 98-year-old. She is a great Yoga teacher with a very flexible body and can perform and do some of the toughest poses in Yoga.

It is unimaginable and unbelievable but it's the truth. She is probably world's oldest yoga instructor. She teaches about a hundred students in and around her area every day. Soon she will be receiving the title of India's Oldest Yoga Instructor.

V Nanammal took birth into an agricultural family. She started practising yoga at an age of 8 under her father's guidance who was a martial artist. She later got married to a Siddha practitioner in the village who was also into agriculture. After their marriage, Nanammal cultivated a liking towards naturopathy.

She never stopped practising yoga at any point in her life and that's the hidden secret of her fitness and health. She follows a strict diet and she is completely against white sugar. Even her children and grandkids use jaggery instead of white sugar. The food she consumes every day is highly rich in fibre and calcium. She wakes up early in the morning and drinks 500ml of water as soon as she wakes up, and uses neem sticks to brush her teeth, and even carries a few when she goes out of town. She eats healthy food at all times of the day, like fruits, milk with honey, and turmeric powder.

600 students of Nanammal are teaching yoga across the world. Many yoga federations approached her but she strongly rejected the offers as she does not know English. Presently, 36 members from her family are serious practitioners.

Nanammal won a contest for Silambattam which is a weapon-based Indian martial art from Tamil Nadu at district level when she was 14 years of age. She attempted to get on to the Guinness Book of World Records by teaching yoga to over 20,000 students and enthusiasts in Coimbatore. Her current objective is to create awareness among women, mainly girl students, about yoga techniques by going to various educational institutions to solve several health related problems, especially after marriage. V Nanammal is a Woman Of Courage because she is strong and a lady who sets an ideal example for all people out there, especially women.

SOURCE: <https://bit.ly/2JF5rRX>

For our previous editions , visit the link : <https://bit.ly/2YP1OPL> OR Scan the QR CODE

