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Vidya Vikas Education Trust's  
**UNIVERSAL COLLEGE OF ENGINEERING**

Near Bhajansons & Punyadham, Kaman Bhiwandi Road, Vasai, Palghar-401208.

DTE code:3460

**Linguistic (Gujarati) Minority Institution**

Approved by AICTE, DTE, University of Mumbai, Maharashtra, State Government

**JUNE 2020 EDITION**

**NAAC B+ Accredited**

# #ASHTAG

Sometimes, the  
bad times in our  
life put us on a  
direct path to the  
very best  
times of our  
life.

WisdomQuotes4U.com

## APPLIED SCIENCES AND HUMANITIES DEPARTMENT

### VISION

The Department of Applied Science and Humanities is committed to dynamically integrate the components of Science, Humanities and Engineering to groom students to transform them as globally acknowledged professionals.

### MISSION

The department is carrying a mission to create and disseminate the knowledge and techniques in intellectual areas of Engineering and other core areas of Applied Science and Humanities for betterment of Eco system.

To inculcate the importance of Applied Science and develop a natural flair for Engineering and Technology which in turn shall mold students into a competent professional.

To be recognized for practicing the best teaching-learning processes to create highly competent, resourceful and self-motivated young Engineers for the benefit of the society.

## NEW BEGINNING AND NEW FOCUS



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Email: info.ucoe@universal.edu.in Web: universalcollegeofengineering.edu.in

**WEBINAR ON**

**BITCOIN AND CRYPTO CURRENCIES**

**Speaker:-**  
**Mr. Rahul Mishra**  
(MD, Cialfor Digital Ledger Private Limited)

**DATE:- 28th MAY, 2020**

**TIME:- 2.00 PM TO 4.00 PM**

DEPARTMENT OF APPLIED SCIENCE AND HUMANITIES OF  
UNIVERSAL COLLEGE OF ENGINEERING IN COLLABORATION WITH  
CIALFOR DIGITAL LEDGER CONSULTING PRIVATE LIMITED

**FREE REGISTRATION**

ALL PARTICIPATIONS WILL GET E-CERTIFICATE  
FOR PARTICIPATION PLEASE

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The Department of Applied Science and Humanities organized its very first webinar on “Bitcoin and Other Cryptocurrencies” on 28 May 2020. The event was coordinated by Dr. Ruchi Tripathi and the guest speaker for the seminar was Mr. Rahul Mishra, Managing Director Cialfor. This 2-hour webinar covered topics on facts and uses of cryptocurrencies, Top cryptocurrencies in the market and trading with cryptocurrencies. This webinar opened the eyes of participants, who were either ignorant or had little idea about the topic, of the possibility and benefits of investing in Bitcoin and other cryptocurrencies. The Webinar was appreciated by many participants.

*I can't change the direction of the wind, but I can adjust my sails to always reach my destination. – Jimmy Dean*

As an initiative to help students who will be appearing for the MHT-CET for the academic year 2020-2021 and to increase the visibility of the college, the Department of Applied Science and Humanities organized an online Mock CET that would run for the entire month of June. The registration of the quiz started in May and its link was disseminated through the friends and acquaintances of both students and faculty members.

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● Gujarati Linguistic Minority Institution  
Bus Facility Available

Department of Applied Sciences and Humanities presents

**MOCK CET FOR HSC STUDENTS**

The test is scheduled from **01/06/2020 - 30/06/2020**  
Link opens on **01/06/2020**

E-Certificate for Participation

PHYSICS  
CHEMISTRY  
MATHEMATICS

REGISTRATION AND TEST ARE FREE!!

Mr. Shivam Shukla  
HOD, AS&H

Dr. Jitendra B. Patil  
Campus Director, UCOE

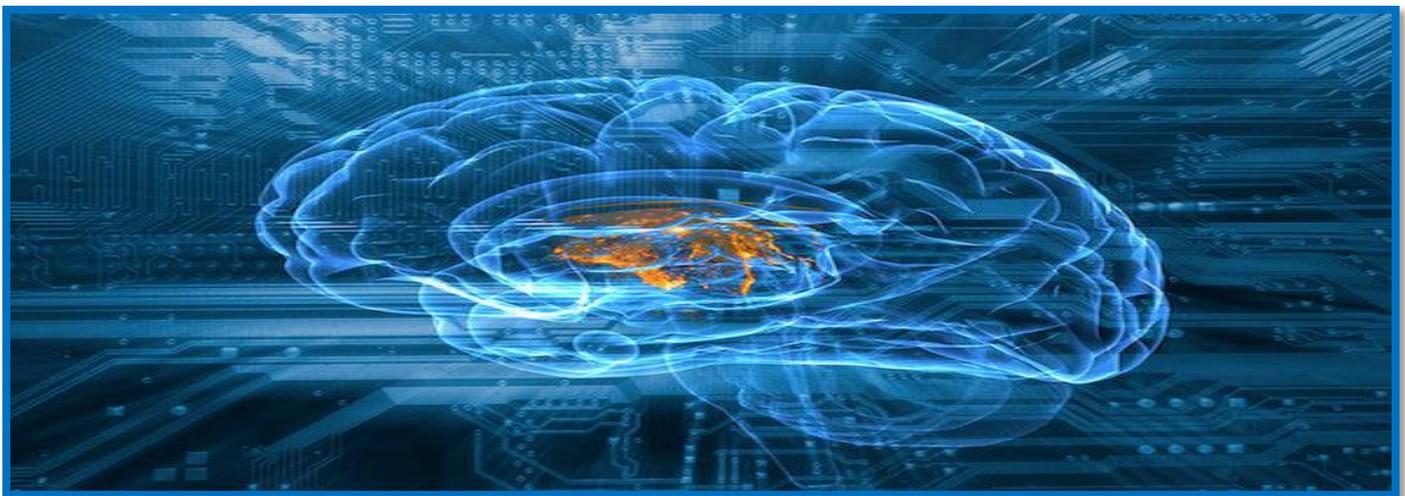
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The department has also planned a Webinar on “Tips to succeed in MHT-CET and Exploring Future in Engineering” on 20 June 2020. The main focus of this Webinar apart from helping students to score better was to highlight the courses offered by the Universal College, to show them the various opportunities for choosing engineering as their career and to persuade them to choose our college for their graduation. The preparation for the same is in full swing.

***Life keeps throwing me stones. And I keep finding the diamonds.”–  
Ana Claudia Antunes***

# WHAT THE HISTORY OF MATH CAN TEACH US ABOUT THE FUTURE OF AI

Artificial intelligence is all around us. We use artificial intelligence algorithms every day without even realizing it. Today, face recognition helps you unlock your phone, google translator that helps you to translate any language, Alexa recognizes your voice and helps you to play your music, and you have cars which can drive themselves. Have you ever wondered how Netflix almost always manages to recommend just the right show for you? Behind all these things are powerful machine, learning algorithms, which are built upon really simple and clever ideas. Today, we are going to take a step back and will try to understand the ideas behind these are algorithms which are going into the math, which in turn has thinking and reasoning behind them.



Whenever an impressive new technology comes along, people rush to imagine the havoc it could wreak on society, and they overreact. Today we see this happening with artificial intelligence (AI). Some economists have sounded alarms that automation will put nearly half of all jobs in the U.S. at risk by 2030. The drumbeat of doomsaying has people spooked that about three out of four Americans who are convinced that AI will destroy more jobs than it creates.

My reading of the history of technology and my experience on its frontiers make me skeptical of such claims. Major shifts in technology—and AI does have the potential to be that—inevitably take longer time to transform our jobs and lives than people typically imagine. So, societies have time to apply regulations, cultural pressures, and market forces that shape the transformation that will happen. If you are worried about AI-induced mass unemployment or worse, think about this: why didn't digital computers make mathematicians obsolete?

The word “computer” was for centuries a job title, from the 1600s onward, human computers did calculations—initially by pen and paper to create navigational tables, accounting ledgers. By 1960s, the workers had slide rules and mechanical calculators to help them and still they are around us. But today we have with us smart watches which can add and subtract numbers billions of times faster than any human being. So now if we assume that NASA had no need for human computers in the 21st century, then we would be wrong. The programmers, mathematicians and computational physicists working for NASA now far outnumber the human computers employed at the agency in the 1960s. Despite a billion-fold increase in the capability of the machines, human jobs were not lost they *multiplied*. The reason why that happened tells us a lot about intelligence, both human and artificial. It turns out that human intelligence is not just one trick or technique—it is many. Digital computers excel at one kind of math i.e. arithmetic. Adding up a long column of numbers is quite hard for a human, but trivial for a computer. So, when spreadsheet programs like Excel came along and allowed any middle-school child to total up long sums instantly, the most boring and repetitive mathematical jobs vanished. But mathematical problems come in many varieties, and many of the most economically important problems are difficult and time-consuming for even the most advanced computers. To tackle problems like that, you need lots of clever

mathematicians and computational scientists who can think up ways to program computers to do those calculations as efficiently as possible. Theorists have proved that some mathematical problems are complicated and that they will always be challenging or even impossible for computers to solve. So at least for now, people who can push forward the boundary of computationally hard problems will never fear for having lack of work.

Meanwhile, many of the tasks that seem most basic to us humans—like running over rough terrain or interpreting body language—are all but impossible for the machines of today and the foreseeable future. Working through math problems develops your critical thinking ability and increases your capacity for solving complex problems, math or otherwise. Excellent math skills open doors to careers in exciting fields such as data science and analytics, computer programming, artificial intelligence etc. As AI gets more capable, the sphere of jobs that computers can do faster or more accurately than people will expand. But an expanding universe of work will remain for humans, well outside the reach of automation.



- **By Ms. Teena Trivedi.**

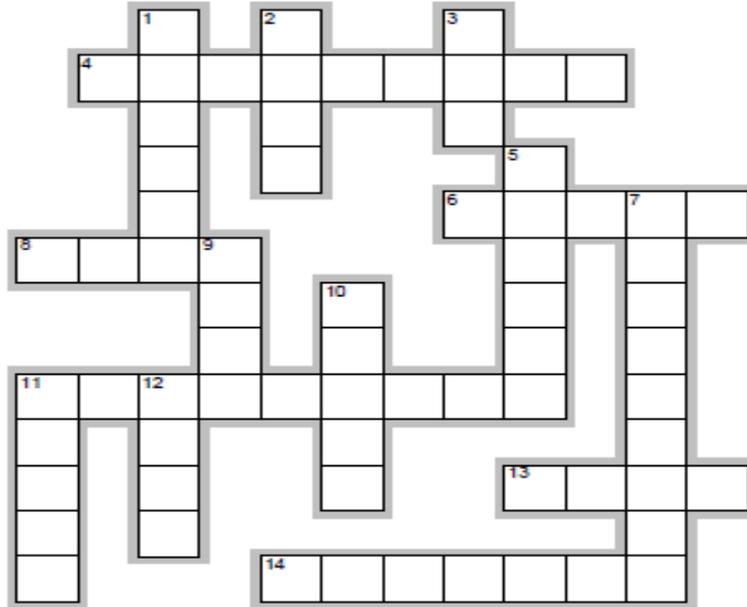
*It is, in fact, nothing short of a miracle that the modern methods of instruction have not yet entirely strangled the holy curiosity of inquiry- Albert Einstein*

# CHECK YOUR KNOWLEDGE

## COVID-19 Crossword Puzzle



This COVID-19 crossword will remind you of ways you can protect you and your family from the spread of this disease. If you've been paying attention to recent news report, you're sure to do well on this crossword!



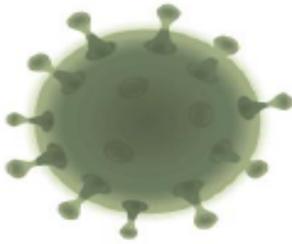
**Across:**

- 4. An important warning sign of COVID-19 is difficulty \_\_\_\_\_ or shortness of breath.
- 6. Do not shake \_\_\_\_\_.
- 8. \_\_\_\_\_ your hands frequently.
- 11. Handle food \_\_\_\_\_.
- 13. Limit \_\_\_\_\_ sharing.
- 14. If possible, open \_\_\_\_\_ to increase ventilation.

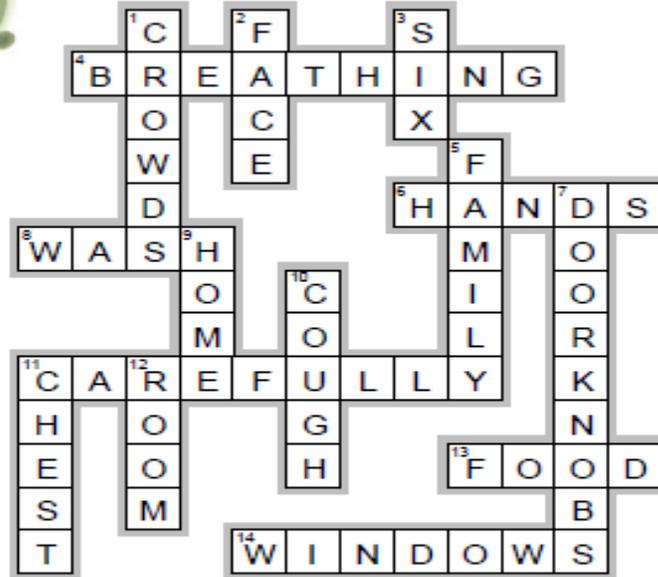
**Down:**

- 1. Avoid large \_\_\_\_\_ of people.
- 2. Try not to touch your \_\_\_\_\_.
- 3. Limit close contact with others, staying about \_\_\_\_\_ feet apart.
- 5. Stay home if someone in your \_\_\_\_\_ is sick.
- 7. Disinfect surfaces like tables, desks and \_\_\_\_\_ regularly.
- 9. Stay \_\_\_\_\_ if you are feeling sick.
- 10. Always cover your mouth when you \_\_\_\_\_ or sneeze.
- 11. People with the COVID-19 virus sometimes feel pain or pressure in the \_\_\_\_\_.
- 12. If someone in your family is ill, give them their own \_\_\_\_\_, if possible.

***Whether you think you can, or you think you can't, you're right. – Henry Ford***



Answers



Information included in these clues can be found at [www.cdc.gov](http://www.cdc.gov) . Please go there to learn more about preventing the spread of Coronavirus Disease 2019, or the COVID-19.

Weblink for the crossword : <https://www.spelling-words-well.com/support-files/covid.pdf>

**Edited and Compiled by Marina Thomas**

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