



REPORT
ON
COGNITION
A SERIES OF WEBINARS

16th APRIL 2020-20th APRIL 2020

ORGANIZED BY
ISTE STUDENT CHAPTER
MBIT

During this condition of lockdown all over the world, where people are finding themselves blocked and unable to explore the things that they want to; So to beat the lockdown boredom and achieve some knowledge from great Experts as speakers is the best thing to be done.

To start that ,ISTE Student Chapter at MBIT organized an event namely “Cognition- A Series of Webinars” for the students and faculties of different colleges under CVM. A schedule was prepared of a week in which all these sessions were conducted through the online platform “Cisco Web Ex”.

There were six speakers namely Mr. Sachinn Jani sir, Ms. Rajeshwary Soni, Mr. Kashyap Patel, Ms. Rajalakshmi Mohan, Ms. Alfa Gadhvi, Prof. Dr. Archana Nanoty who enlightened the webinars with their knowledge.

They conducted webinars on various topics like Cyber Security, Big Data(IOT, AI, ML), Introduction to cloud computing, Turtle in Python, Coding is not Everything and Education for Life(not only for degree).

The sessions were useful for 1st, 2nd, 3rd and 4th year students. Average 80 peoples attended this webinar including students and faculties of various colleges. All the participants of this event were given E-Certificates for their participation. This Event “Cognition- A Series of webinars” were successfully organised by Riddhi Patel (ISTE Student Chapter Chairperson) & team ISTE under the guidance of **Prof. Sunayana Domadia** and **Prof. Pooja Bhatt**.

VARIOUS SPEAKERS:

Cognition comprises six distinguished speakers from different domains.

 PROF. DR. ARCHANA NANAOTY	 ISTE COGNITION WEBINAR SERIES	 MR. KASHYAP PATEL
 MS. RAJESWARY SONTI	 MS. RAJLAKSHMI MOHAN	 MS. ALFA GADHVI

1. **Mr. Sachin Jani Sir:** He is Cyber Security Expert from TCS and working on more than 40 different projects related to Cyber Security.

2. **Ms. Rajeshwary Sonti:**

Business Consultant in MResult Services Ltd. (It's a US based firm) An experienced IT consultant and CPG domain expert with global exposure of working with some of the biggest FMCG brands and Service Industry giants.

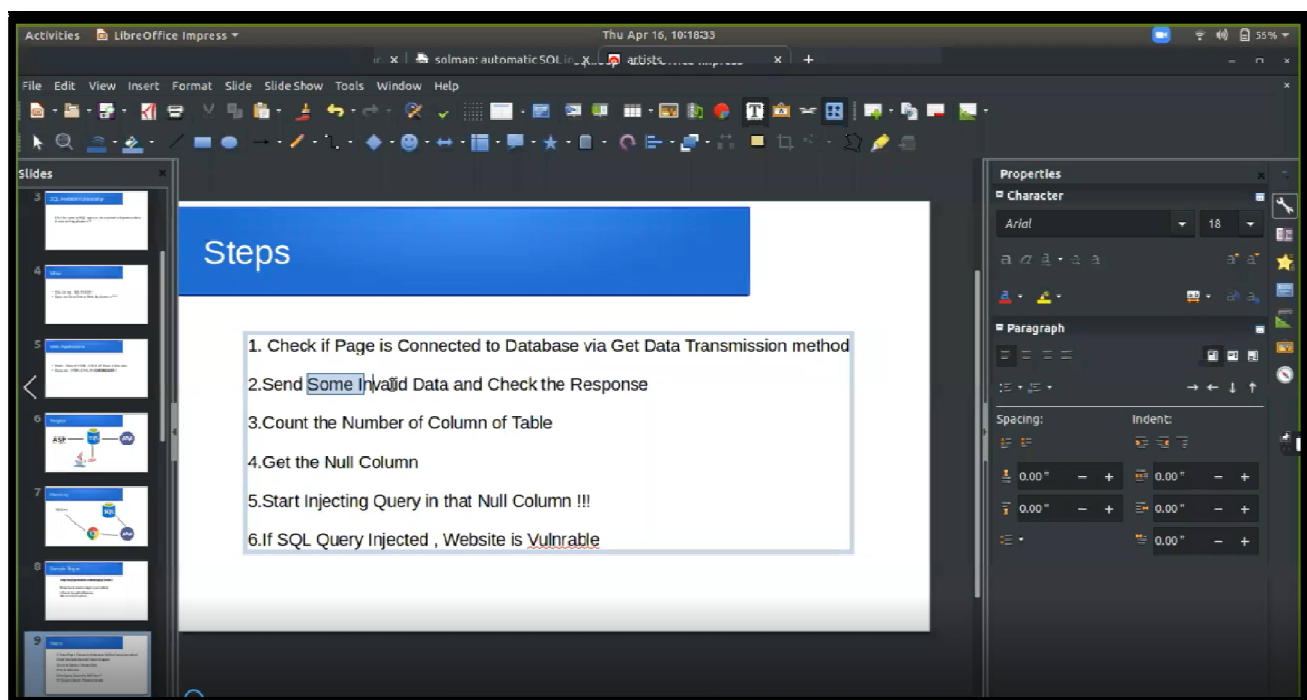
3. Mr. Kashyap Patel: Working as cloud engineer at Tata Consultancy Services since last 8 years. Mr. Kashyap has worked on various data centre operations project with more than 10 different clients during the tenure. Provided computing solution to the client whether it is cloud operation or on premises solutions and also worked as Linux administration, storage administration also having sound knowledge about backup and storage solutions. He presented the webinar in “Introduction to cloud computing”.

4. Ms. Rajalakshmi Mohan: MBIT Alumini, Assistant System Engineer (Java Developer) at TCS.

5. Prof. Dr. Archana Nanoty: Principal, Madhuben And Bhanubhai Patel Institute Of Technology. Contributing in Academics since 20 years and also contributed to Industry for 5 years. She has a varied experience of working with Nagpur University, Maharashtra, GSFC University and GTU, BITS campus Vadodara. Recipient of “Education Leadership Award” and “Woman of Excellence in the Field of Education

6. Ms. Alfa Gadhvi: MBIT Alumini, Masters from TISS, Bombay in Public health and Social service. She is currently connected with number of government bodies and VCs.

GLIMPSES OF WEBINAR SESSIONS



Meeting is in progress... - Google Chrome

meetingsapac7.webex.com/webappng/sites/meetingsapac7/meeting/download/140f4fe6c22409786a161e4f45aeeeb

Viewing Prof. Dr. Archana ... 's screen

4/19/2020

We are different than all other species in the universe.

So we all are here for some special purpose.

Once we know ourselves, we can very well recognize our own talents, Skills.

Education for Life

Prof. Dr. Archana Nan...

Participants (66)

Search

IM Iste mbit Host, me

PS PRACHI S...

AP Abhay Patil

A akashdave...

AC Ankita chauhan

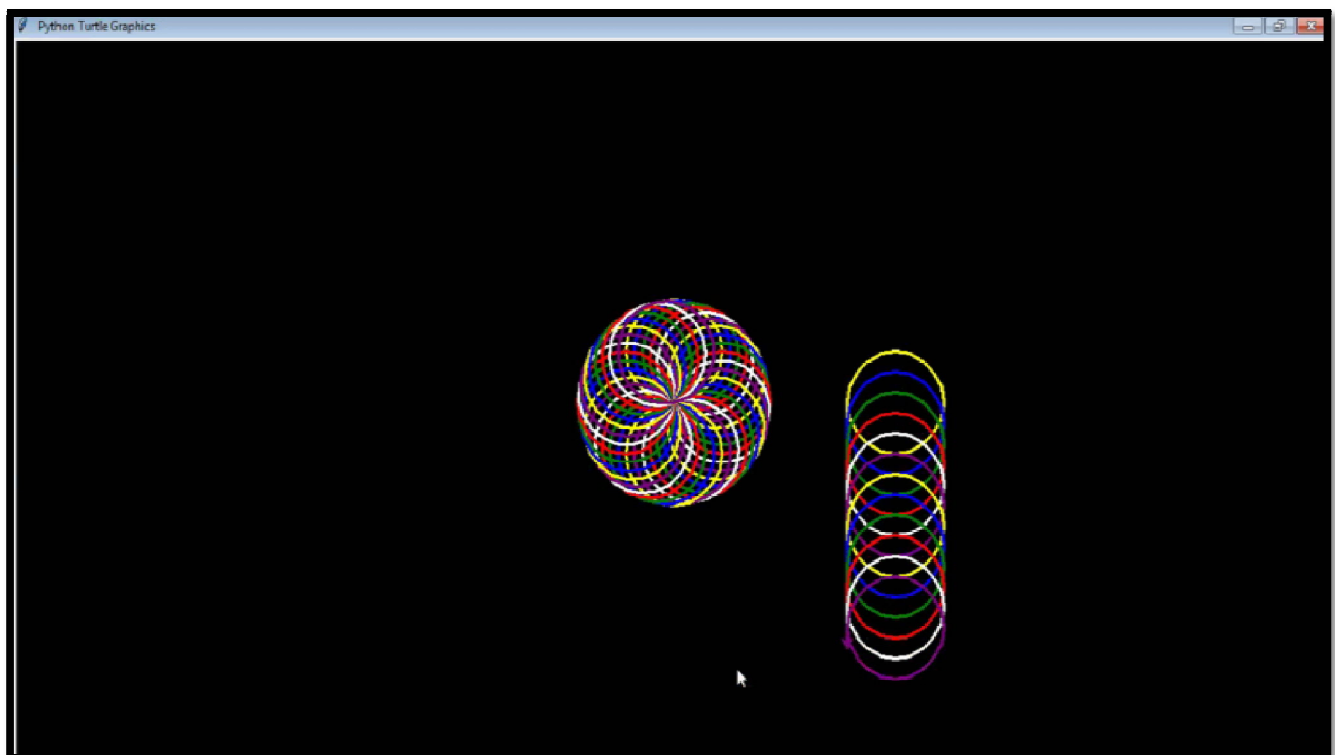
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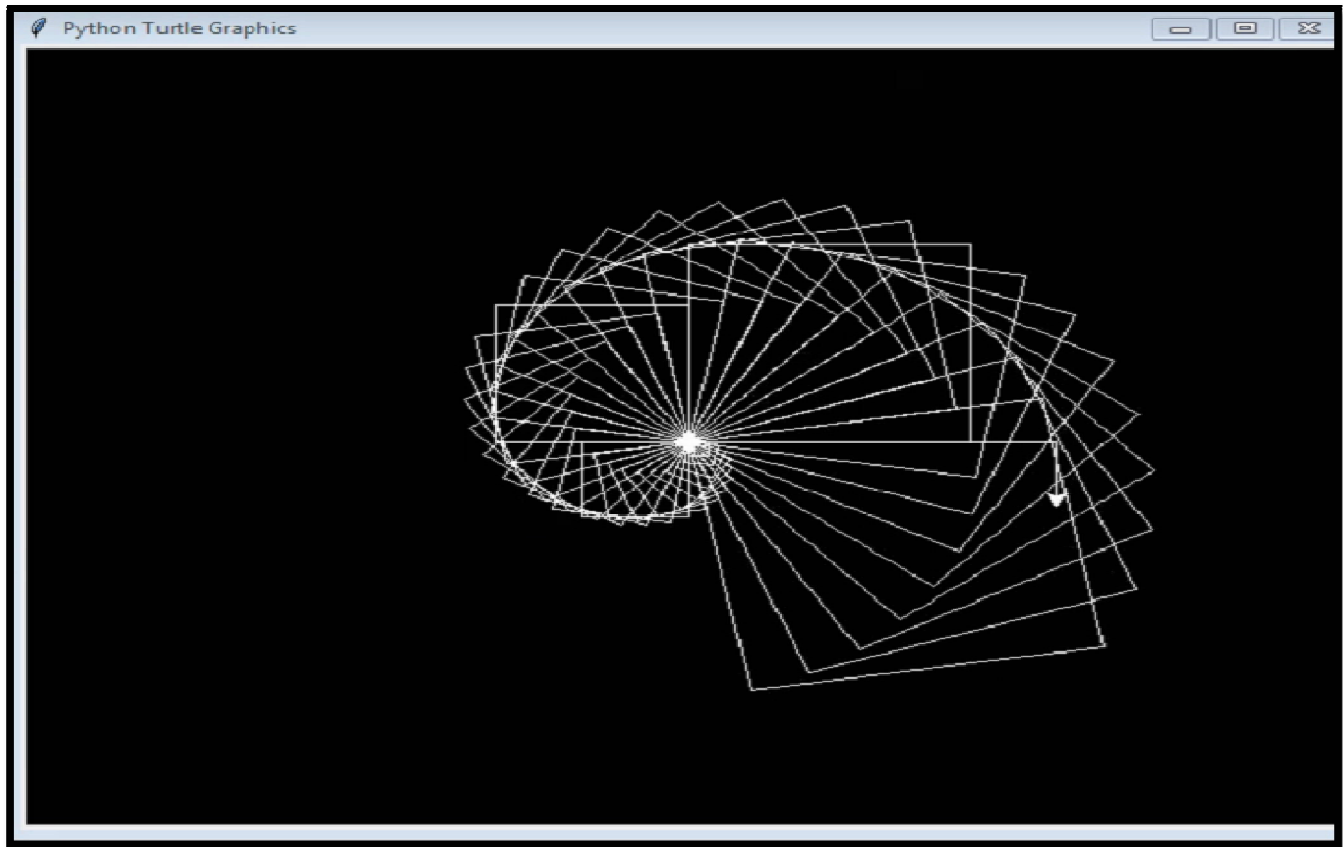
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Go to PC settings to adjust Windows

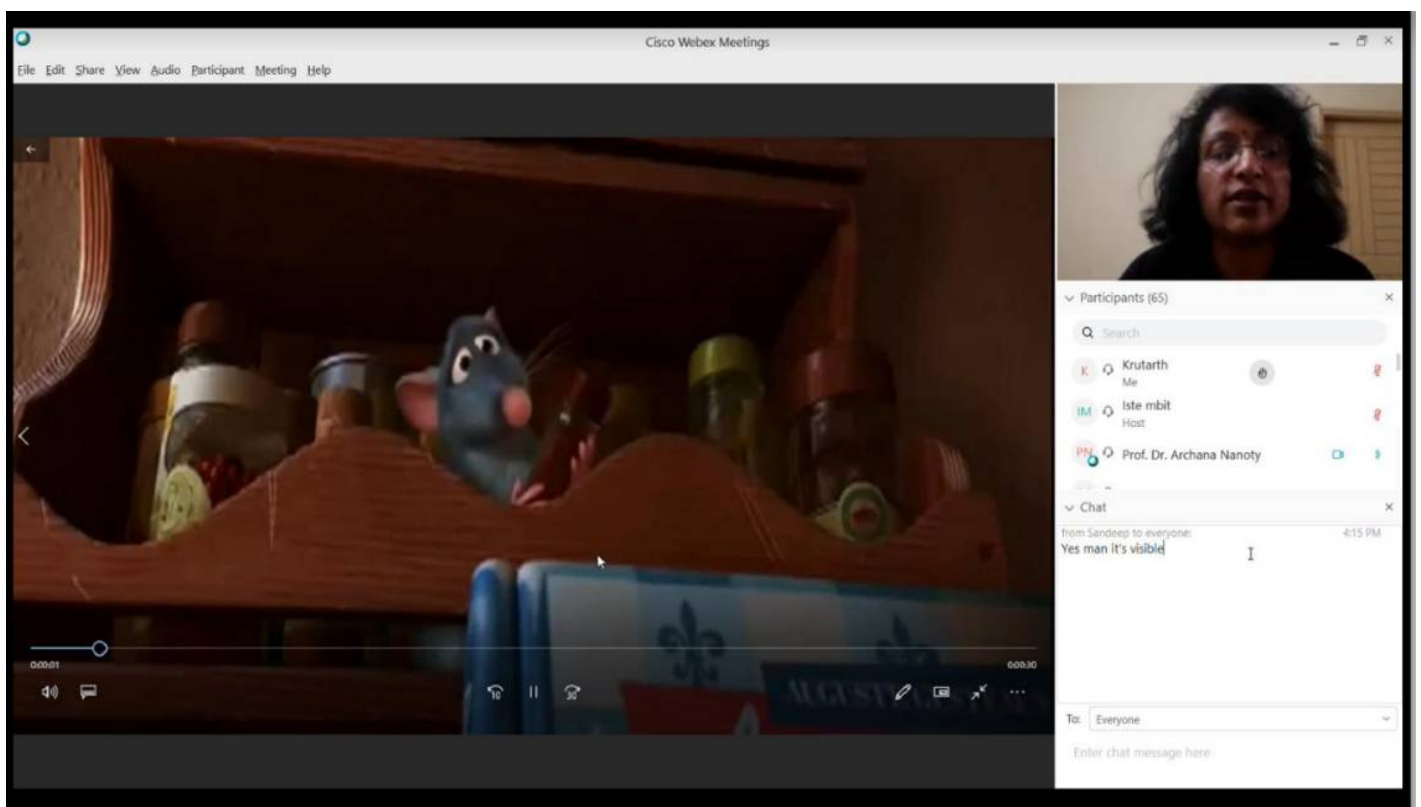
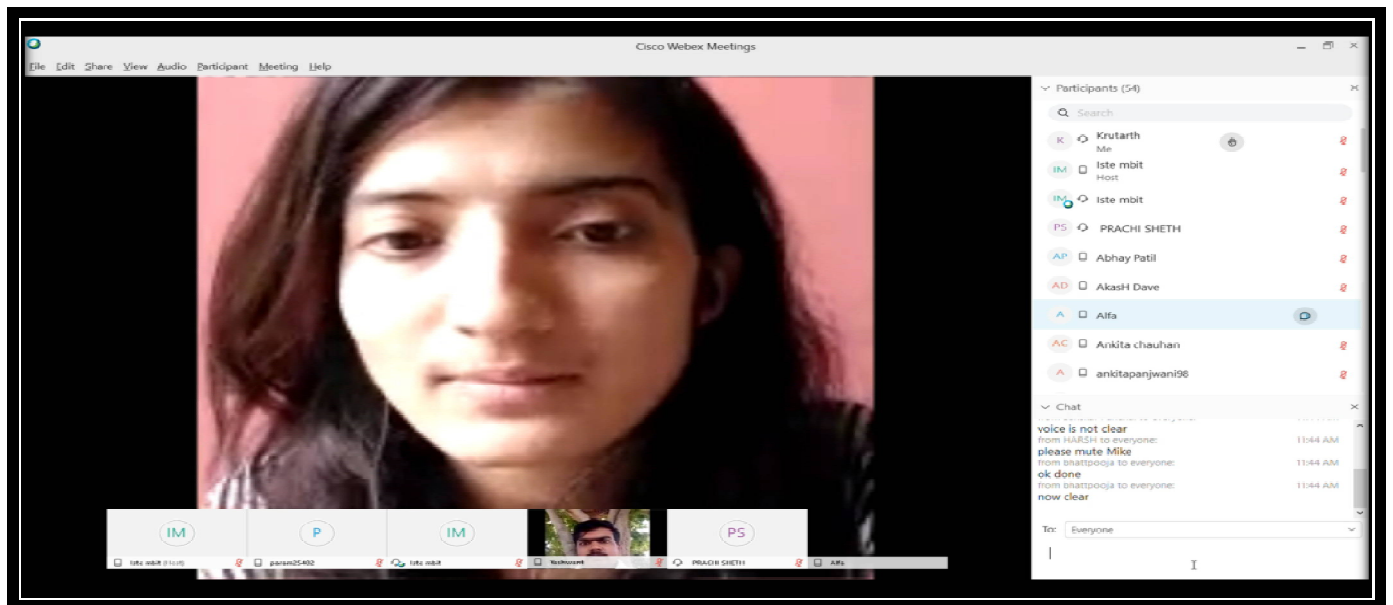
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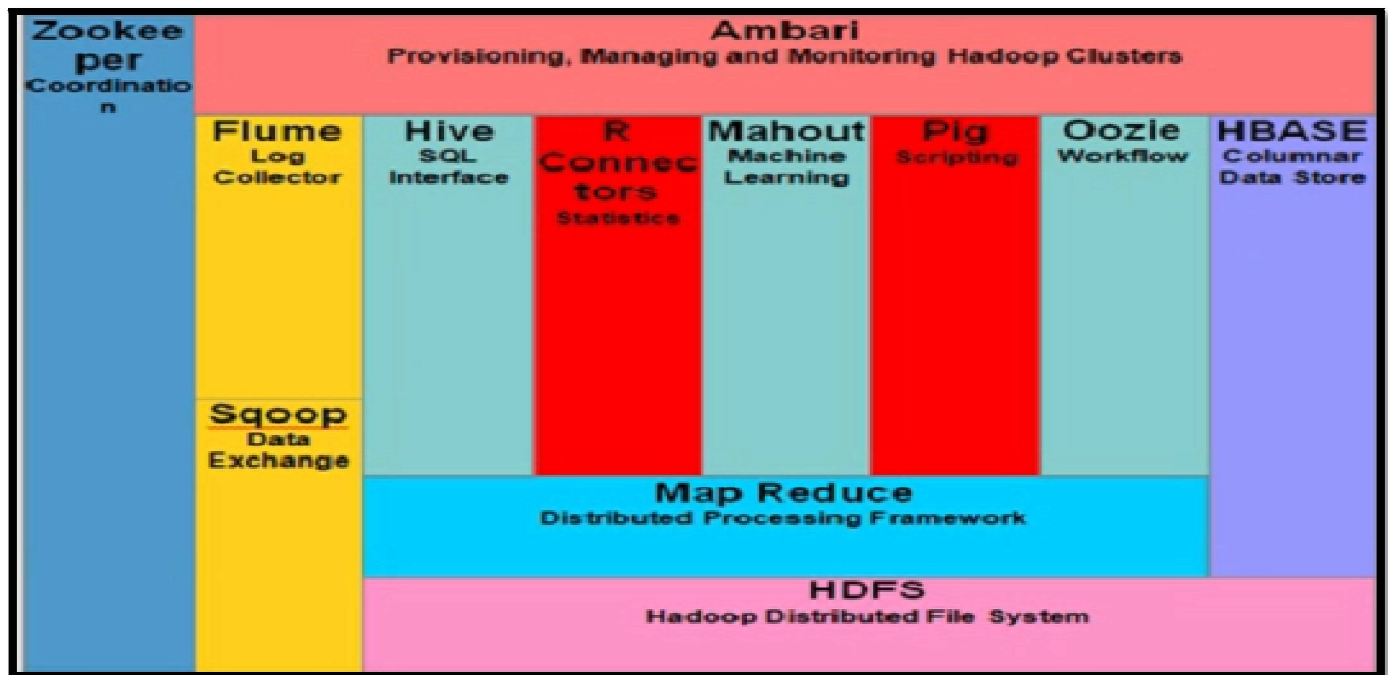




Microsoft Azure

- What is Cloud? - In Cloud Computing, the word cloud is used as a metaphor for "the Internet." In other words, we can say cloud is something, which is present at remote location. Well it is an abstraction of underlying infrastructures involved.
- What is Cloud Computing - Simply put, cloud computing is the delivery of computing services – servers, storage, databases, networking, software, and analytics and more- over the Internet(Cloud).
- Cloud Computing consists of hardware and software resources made available on the internet as they are managed by the third party services. These services typically provides access to advanced software applications, high end networks of server computers.





WEBINAR DETAILS

WEBINAR 1- CYBER SECURITY

The Online session was conducted by Mr. Sachin Jani, Assistant system Engineer at, TCS on 16th April, 2020; on the topic of “Cyber Security”. On the topic of this session He discussed about Cyber security and SQL Injection Vulnerability. He discussed about some attacks and some tools that are available online which can be used to launch an attack automatically.

Key Points to remember from the session:

1. Checking SQL Injection Vulnerability:

He mentioned that we can launch an attack on target by following two methods

1. Manual (Using web browser)
2. Automated (Using tools)

2. About Manual method steps:

Here are some steps by which we can launch an attack manually.

1. Check if the page is connected to database via transmission method.
2. Send some invalid data and check the response.
3. Count the number of columns of table.

4. Get the null column.
5. Start injecting Query in that null column.
6. If SQL Query injected, website is vulnerable.

3. About Automated method:

There are some tools available online by which we can launch an attack automatically.

1. SQL Map
2. Havij
3. SQL Ninja

He also mentioned that they have tried SQL injection on a Dummy website and a real website. In this session we have learned two methods of SQL Injection

1. Error based SQL Injection
2. Blind SQL Injection

WEBINAR 2 – BIG DATA (AI, ML, IOT)

The Online session was conducted by Ms. Rajeshwery Sonti, on 17th April, 2020; on the topic of “Big Data(Artificial Intelligence , Machine Learning , Internet Of Things)”. She discussed about latest industry trends in Big data, Big Data applications and Big data analytics with Artificial intelligence, Machine learning and Internet of things. She discussed future of Big data also

Key Points to remember from the session:

- **Big data**

Not a buzzword anymore. Part of every industry’s strategic objectives.

(Till 2019, YOY growth of more than 30% - 175 zettabytes by 2025!!)

- **Big data tools**

Collect, host, process, display, analyse

- **The players**

AWS, Microsoft, Oracle, Cloudera, IBM, SAP, Splunk, Apache, etc.

- Big data analytics

Descriptive, Diagnostic, Predictive, Prescriptive

- Trends

Augmented analytics – ‘Automation’ of advanced AI & ML – ‘augment’ and not ‘replace’.

NLP - gives machines a working brain(disease prediction, sentiment analysis, crime tracking, financial analysis, voice/language recognitions- make everything handsfree)

Analytics life-cycle development - PLM for apps?

Integrated IOT grid — reflection of an enterprise operation

Quantum computing — THE next big thing — how traditional computing will lose its shine — bits vs qu bits

Expanding the Cloud possibilities - Open sources (as popular as Hadoop)

- The tales of Grey/dark data — hidden gems.

WEBINAR 3- INTRODUCTION TO CLOUD COMPUTING

The Online session was conducted by Mr. Kashyap Patel, on 18 th April, 2020; on the topic of “Introduction to cloud computing”. On the topic of this session he discussed about cloud computing and data usage and transfer with platforms like Microsoft azure.

Key Points to remember from the session:

- Microsoft Azure is an ever-expanding set of cloud services that gives us freedom to build, manage and deploy applications on a massive, global network using favourite tools and frameworks.
- Microsoft azure provides 3 options :-
 1. IaaS - infrastructure as a service.
 2. PaaS- platform as a service.
 3. SaaS-software as a service.

- There are total 38 data centre globally and out of which 3 data centers are in India for hosting your application namely:
 1. West India.
 2. East India.
 3. Central India.
- Mr. Kashyap Patel also showed the students practically how to deploy a virtual machine in Microsoft azure.
- He also showed about the cloud storage like file storage, disk storage, blob storage, data lake storage.

WEBINAR4 -TURTLE IN PYTHON

The Online session was conducted by Ms. Rajalakshmi Mohan, on 18th April, 2020; on the topic of “Turtle in Python”. On the topic of this session she discussed about uses of Turtle in Python and its uses.

Key points to remember from the session:

- Dr. Seymour Papert at MIT invented the Turtle as a graphical and mathematical object to think with for the children's programming language, Logo (1966).
- A turtle is an object.
 - Every turtle understands the same methods.
 - Every turtle has the same fields or instance variables.
 - Heading, body colour, pen colour, X and Y position.
 - Yet each turtle can have its own values for these fields.
- Many modern programming languages, such as Python, continue to use turtles for drawing.
- Think of a turtle crawling on a piece of paper, with a pen tied to its tail
 - Sheet of paper is a window on a display screen

- Position specified with (x, y) coordinates
 - Cartesian coordinate system, with origin (0, 0) at the center of a window.

Example:-

- Imagine a turtle starting at (0, 0)
 - Give it the command `turtle.forward(15)`, and it moves (on-screen) 15 pixels in the direction it is facing, drawing a line as it moves.
 - Give it the command `turtle.left(25)`, and it rotates in-place 25 degrees counter-clockwise.

WEBINAR 5- EDUCATION FOR LIFE (NOT ONLY FOR DEGREE)

The Online session was conducted by **Prof. Dr. Archana Nanoty**, on 19th April, 2020; on the topic of “Education for Life”(not only for degree). On the topic of this session she discussed about the real goal of our life, our strength, self-confidence, Education, Learning and many more...

Key points to remember from session

- **Definition of education**
 - E: Enthusiastic, Ethics
 - D: Dynamic
 - U: Unique
 - C: Confident
 - A: Ambitious
 - T: Talent
 - I: Intelligence
 - O: Outstanding
 - N: Naturally
- “ARISE, AWAKE AND DO NOT STOP TILL THE GOAL IS REACHED.”

-Swami Vivekananda
- “You must take personal responsibility.”
- “You cannot change the circumstances, the seasons, or the wind, but you can change yourself.”

- NATIONAL EDUCATION POLICY-2020
 - The National Education Policy 2020 aims at building Global best education system rooted in Indian ethos, and aligned with the principles enunciated above there by transforming India into a Global Knowledge Superpower.

- **EXPERIENCE IS THE BEST TEACHER**
 - Mistakes are painful when they happen.
 - But year's later collection of mistakes is called experience, which leads to success.
 - LEARNING FROM FAILURE
 - Be bold when you lose and be calm when you win.
 - Heated gold becomes ornament.
 - Beaten copper becomes wires.
 - Depleted stone becomes statue.

- **LESSONS WE MUST LEARN FROM THE PANDEMIC!**
 - Just trust the here and now; everything else can change in a matter of minutes! So, live in the present and do not take experiences for granted.
 - Appreciate life more learn to value the small things — talking to family and friends, something we are all doing now, but often gets neglected in everyday life.
 - Every cloud has a silver lining - we are getting a lot of time to ourselves. Use that time as best as you can. Take pleasure in just relaxing into yourself- sometimes by just doing nothing. Take time out to cultivate hobbies, interests and passions.
 - The only things that matter ultimately are good health and the closeness of loved ones! The wisdom of ages, and now we know it!
 - Think of the worst that can happen and plan for it. How is it possible that no country, no policy makers, no think tanks had ever envisaged such a situation and planned for it earlier?
 - We are all one and an individualistic point of view is not going to work. The rich are the same as the poor, the Europeans are the same as the Indians, the Government is the same as the voters, the rulers are the same as the opposition...we cannot overcome this pandemic unless we include everyone and watch out for each other.
 - As individuals, we should be aware that this is the experience of a life-time, totally unique when we are all sailing the same boat even the two world wars never brought the world to a halt, or on an even keel like this.

 - As communities and nations, we will have to use the present experience to be prepared for future conflicts and pandemics, some of which perhaps we cannot even imagine at present. It is important that we value the significance of scientific knowledge and the dangers of misinformation!

- ‘WE NEED "STRENGTH" WHILE DOING THE POSSIBLE BUT WE NEED "FAITH" WHILE DOING THE IMPOSSIBLE.’

WEBINAR 6 -CODING IS NOT EVERYTHING

The Online session was conducted by Ms. Alpha Gadhvi, on 20 th April, 2020; on the topic of “Coding is not everything”. On the topic of this session she discussed about other skills than coding those have a great value in industry.

Key points to remember from session

❖ Fields, Sectors and Programs discussed.

- Electronics and computer software export promotion council.
- Ministry of Agriculture.
- Ministry of Commerce and Index.
- Ministry of Law and Justice.
- Ministry of Rural Development.
- Ministry of Social Justice and Empowerment.
- CBI.
- Ministry of Skill Development and Entrepreneurship.
- Ministry of Human Resource and development.
- Ministry of Micro, Small and Medium Enterprise.
- IMT, Gaziabad.
- Wadhvani Venture Fastrack.
- Wadhvani innovate.
- Wadhvani NEN Program.

Faculty Feedbacks:

1. Yes, it was really a wonderful experience with Mr. Sachin Jani Sir. He is providing such a fruitful information regarding Cyber Security. Also provided us very important information about IT Company/Organisation's current trends of Cyber Security. Moreover, he guided us about how to work from home using this kind of technology and latest trends.

**Vaibhav Gandhi ,Faculty at Neotech
Institute of Technology**

2. Oh! Coding is not very thing is hence proved!!!Thank you for highlighting other streams of career that has application of computer skill.

**Prof.BhumikaBhatt
Facultyat SPEC**

3. Very fruitful session by principal Madam indicating importance of education in life not just for getting good career and salary.

**Prof. Sunit Parmar
Faculty at MBIT**

4. It was wonderful session of Principal Madam . Even very informative and helpful for everyone to understand the core use of education.

**Prof. Keyur Prajapati
Faculty at MBIT**

5. Now days Data is the oil for the new technique, it was a wonderful webinar organized by MBIT ISTE Team. Good Content and excellent knowledge sharing about the data, Hope ISTE team organize such more event like this.

**Prof. Aakash Dave
Faculty at MBIT**

Student Feedbacks:

- 1) It was a very useful webinar for you. Thank you ISTE MBIT Student Chapter for providing such an Informative webinar in this Lockdown time.

Yash Trivedi
2nd semester student at MBIT

- 2) Cognitive session in real terms...words of wisdom in an hour.

Riddhi Patel
8th semester student at MBIT

- 3) The webinar on the topic of cloud computing is very good and informative as it gives one the comprehensive view on the world of Cloud Computing. Nowadays this is the system that one needs and to understand about it. I was able to learn much more things that I was not known of in the topic of Cloud Computing! Again I would like to thank Kashyap Sir for educating us on the topic!

Krish shah
2nd semester Student at MBIT

- 4) Yeahh.... Obvious... Was great to listening such a great talk on trends... From our alumni... Maybe sort we would hear from u... By next year 😊.

Jhanvi Patel
6th semester student at MBIT

- 5) Thanks for such an extra oordinary webinar that changes life. And I am glad this helped me to resolve my query and join the webinar. Thank You so much ISTE MBIT.

Deep Upasani
1st Year Student at MBIT

- 6) Do conduct more sessions like this and keep us updated. Really nice sessions!

Edith Juni
1st Year Student at MBIT