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**Institute of Technology & Science**  
**Mohan Nagar, Ghaziabad**

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## Digitization- A Need of Hour

Today's era is an era of machine and technology, human efforts are decreasing day by day as the smart electronic devices have made our life easy and comfortable. The word is changing nowadays and everyone is living a life that is full of gadgets, a life that is highly influenced by technology. Out of 10 at least every 9 persons is having a smart phone. Not only smartphones but everyone is keen to be updated with latest technologies and use them to ease their work.

Everyone says that using a smartphone, online shopping, and online transactions is a trend, but they are not aware of the fact that knowingly or unknowingly they are getting habitual to Digitalization.

Digitalization means using electronic devices such as phones or any other device that stores information in digital form. Digitalization does not mean you need a special setup or a special skill. It only requires an electronic device such as a smartphone, a pc and an internet connection

Digitalization stands on three basic pillars or the synonym says that there are three major components of digitalization and they are as discussed below

- **SMART GADGET:** smart gadgets here means electronic devices that can easily understand and store the information in the form of 0 and 1. This includes your smartphones, pc, and nowadays smart shoes and watches are also coming in the picture.
- **NETWORK:** It is necessary to develop a proper ecosystem between the large numbers of devices so that transmission of data can take place in a smooth way. This establishment of connection is called networking and the established ecosystem is called network.
- **CLOUD:** It is really a difficult job to keep the records of each and every device and store the required data. Cloud computing technology is used to manipulate the data which has been transferred around various networks.

Digitalization not only had its impact on market or economy but it also affected life of many people. It changed the way of living, from payment of small bills to the transaction of big amounts, everything can be done digitally. The life has been completely renovated, now any one can easily avail any service from anywhere just sitting at a place but the required condition is he should have a smart device connected to internet and a knowledge to use it. Here are some major points where digitalization improved the way of living

The journey of transformation is very long almost 61 years and still a lot more is to come. No one could imagine that a technology which we are using now a days was a dream of yesterday. Digitalization is just not a need it's a necessity, and it has proved its importance.

People have starts accepting the change and some are on the way to it, but this is not the end as more technologies will come, they will bring more changes and it is our responsibility to accept that change implement it in our life to ease our way of living and give a good result to the society.



Mayank Goyal-MCA-2<sup>nd</sup> Year

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## IoT-Today's Era

The IoT term has been used for marketing buzz all the way to physical devices, vehicles, home appliances and other item embedded with electronic, software, sensor, which enables these object to collect and exchange data.

### IoT Predictions, Trends, Market:

According to BI intelligence insiders premium research service, experts that there will be more than 24 billion IoT device on earth by 2020 that means 4 devices for every human being on the planet. We came to the point that \$6 billion will flow to IoT solution like application developer, data storage and security etc. The three major entities that will reap these benefits are consumer, government and business.

**IoT Industries** – Manufacturing, transportation, defense, agriculture, infrastructure, retail, banks, oil gas and food service.

**Companies-** Literally 100 of companies linked to IoT like Honey well (HONI, Hitachi, T-Mobile (HOS)(GE) GE, AT&T(I),Cisco, IBMC(IBM).

### ADVANTAGES:

1. IoT network saves times and money. So it benefits not one but all i.e. Individual, society, business etc. IoT system delivers faster and accurately with optimization technique.
2. Various type of wireless sensors are installed on patient body to communicate IoT network and provide all required information about patient monitoring.
3. In IoT we have a bulk of information so more the information make us easier to take right decision.

### DISADVANTAGE:

1. IoT system is complicated in the term of design, development, and maintenance, given their use of multiple technologies. So due to complex system the failure opportunities increases. For e.g. If the person on both the side may receive message that the reservation of train is over and both of them may end up buying the same. That leaves with double the quantity required.
2. IoT is an ecosystem of connected devices communication over networks. IoT is run by multiple technologies, so number of users is involved, privacy is concern. Security algorithm will help to avoid security threat in IoT network.
3. Privacy is a big concern with IoT. The data should be encrypted and the sophistication of lot provide personal data in extreme detail without user active participation like how much milk you consume isn't a common knowledge at work place or friends.

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**IoT Common Uses:**

**1. SMART HOME:** It is the best application of IoT at this moment because it allows the pockets of everyone. Wouldn't you love if could switch on AC before reaching home or switch off light even after you are not at home? Don't be surprised, these all activities are performed by IoT. There are 100 products in the market that are control by the users with their voices to make their lives now connected than ever.

According to Database Smart home includes 256 companies and startup. [1]Total funding of Smart Home current exceeds \$ 2.5 bn. By all these technologies and product the cost of house is the biggest expense is a homeowner's life. These all product save money, time. For e.g. company name is NEST.

**2. WEARABLE'S:** Wearable's have experience a rapid demand in the market all over the world. Company like Samsung, google has great contribution in this sector. For e.g. Watches are no longer just for telling time.

**3. SMART CITIES:** The IoT has the capability to resolve the problem of citizens face each day with the proper connection and data, IoT can solve traffic issues, noise, pollution, crime, accidents. Products like cellular communication enabled smart Belly trash will send message or warning to municipal services when a bin needs to be emptied. By installing the sensors and using web application, citizen will be able to find free space of parking slots across the area very easily.

**4. CONNECTED CARS:** Cars equipped with Internet access and share that access with other. So be prepared to see more application include in future cars. A connected car is a vehicle which is able to optimize its own operation, maintenance, as well as comfort for passenger using onboard sensors and internet connecting. Companies like TESLA, BMW, APPLE, and GOOGLE are working upon rich scale.

**5. SMART DETAIL:** The contribution by IoT in retail store is enormous. This technology provides the retailer to connect with customer to enhance the in store experience. This will allow the consumers to stay connected with retailer even out of store through Smartphone and using beacon technology which help the retailer to serve better. Of all the technology trends that are taking place right now perhaps the biggest one is the Internet of things ; it's the one that's going to give us the most disruption as well as the most opportunity over the next five years.



**Tanya Garg**  
MCA-2<sup>nd</sup> Year

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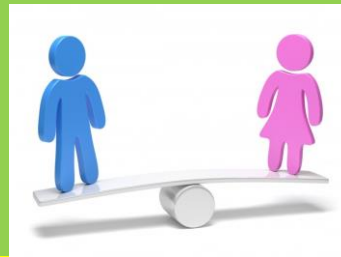
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The two main pillars of our societies are men and women. This is what we have been listening since our childhood. when it comes towards the society, the people, the gender we always talk about the male and female but apparently each and every time we forget another sector of the society that is the transgender or the LGBT community. Everyone lives in the same world and faces certain problem

Men are considered as the main and the dominating factor of the society. The society is always a male dominant society. They are always treated as head are considered as the most important and contributing factor for the family and society as they need to earn and take all the important decisions of the family. Whereas the condition of the females or women is inferior to males it took a long time to identify the potential and now they are equally participating in each and every part and each and every field weather commerce or other parts. but we always forget to talk about the third sector of the society.

Are they not a part of our society? Are they not human beings or they don't have feelings? this is a fact and another most important fact is that they are always being neglected, made fun of and no one of in this so-called society discuss about them or works for the betterment of the community.

When we talk about the equality but we always compare men and women but you may be shocked to know that the third community of the society is also improving its importance in various fields. Recently it happened that In Chennai a 36-year transgender Doctor Sofia performed a surgery and saved the life of a mother and child not only this, a transgender community in Bengal opened an NGO that adopts and up brings the orphan children and educate them. so, they are providing their best to the society but the society is not.

So not as male , or female or transgender , treat everyone as humans first as everyone has feelings and they deserves equal respect , so appreciate their efforts and try to be a part of their struggle and taking more initiatives towards betterment of their lives because everyone is equal and the rules and regulations for everyone are same not any specific community is superior.



**Karan Pandey**  
MCA-2<sup>nd</sup> Year



## Artificial Intelligence

A branch of Computer Science named Artificial Intelligence pursues creating the computers or machines as intelligent as human beings. According to the father of Artificial Intelligence, John McCarthy, it is “The science and engineering of making intelligent machines, especially intelligent computer programs”.

### Philosophy of AI:

While exploiting the power of the computer systems, human wonders, “Can a machine think and behave like humans do?”

Thus, the development of AI started with the intention of creating similar intelligence in machines that we find and regard high in humans.

### Components Of AI:

#### *Learning*

Learning is distinguished into a number of different forms. The simplest is learning by trial-and-error. For example, a simple program for solving mate-in-one chess problems might try out moves at random until one is found that achieves mate. The program remembers the successful move and next time the computer is given the same problem it is able to produce the answer immediately. The simple memorizing of individual items--solutions to problems, words of vocabulary, etc.is known as rote learning.

#### *Reasoning*

To reason is to draw inferences appropriate to the situation in hand. Inferences are classified as either deductive or inductive. The difference between the two is that in the deductive case, the truth of the premises guarantees the truth of the conclusion, whereas in the inductive case, the truth of the premises lends support to the conclusion that the accident was caused by instrument failure, but nevertheless further investigation might reveal that, despite the truth of the premises, the conclusion is in fact false.

#### *Perception*

In perception the environment is scanned by means of various sense-organs, real or artificial, and processes internal to the perceiver analyze the scene into objects and their features and relationships.

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Analysis is complicated by the fact that one and the same object may present many different appearances on different occasions ., depending on the angle from which it is viewed, whether or not parts of it are projecting shadows, and so forth. At present, artificial . perception is sufficiently well advanced to enable a self-controlled car-like device to drive at moderate speeds on the open road, and a mobile robot to roam through a suite of busy offices searching for and clearing away empty soda cans.

**Language-understanding**

A language is a system of signs having meaning by convention. Traffic signs, for example, form a mini-language, it being a matter of convention that, for example, the hazard-ahead sign means hazard ahead. This meaning-by-convention that is distinctive of language is very different from what is called natural meaning, exemplified in statements like 'Those clouds mean rain' and 'The fall in pressure means the valve is malfunctioning'.

**Goals of AI :**

- To Create Expert Systems – The systems which exhibit intelligent behavior, learn, demonstrate, explain, and advice its users.
- To Implement Human Intelligence in Machines – Creating systems that understand, think, learn, and behave like humans.

**Issues with AI :****Threat to Privacy**

An AI program that recognizes speech and understands natural language is theoretically capable of understanding each conversation on e-mails and telephones.

**Threat to Human Dignity**

AI systems have already started replacing the human beings in few industries. It should not replace people in the sectors where they are holding dignified positions which are pertaining to ethics such as nursing, surgeon, judge, police officer, etc.

**Threat to Safety**

The self-improving AI systems can become so mighty than humans that could be very difficult to stop from achieving their goals, which may lead to unintended consequences.



**Harshita Maurya**  
MCA-2<sup>nd</sup> Year

*Happening @ Department of I.T during July- September, 2018*

## **MCA students visited to IOS Excellence Center, I.T.S ,Engineering College, Greater Noida**



Students of MCA final year along with two faculty members of Department of I.T. , Prof. KP Singh and Prof. Abhay Kr. Ray visited Center of Excellence at I.T.S, Engineering College, Greater Noida on 12<sup>th</sup> July, 2018. The purpose of the visit was to have a understanding of IOS and to know the basic concepts of working Mac operating system and the process of mobile application development by using Objective-C and IOS app development platform.

The workshop was divided into two sessions. The first session was focused on the conceptual aspects of the IOS app and its importance in the present era of computing world. The trainer Mr. Mukesh Kumar explained the scenario of ios app development and its applications with its security aspects also. The second session was taken by Mr. Pankaj Kumar. This session was based on hands on practices by the students to understand the development process of IOS apps. The students were happy and appreciated the efforts put in by the IT Department for their learning on advanced technology.

## **Two-Days Workshop on Hadoop and Data Analysis using Hive for MCA Final Year Students**



Department of I.T. organized two day's workshop on "Hadoop and Data Analysis using Hive" for MCA final year students from 1<sup>st</sup> August to 2<sup>nd</sup> August, 2018 organized by I.T.S-DotNet Club in association with CSI-Student Branch at I.T.S, Mohan Nagar, Ghaziabad. Prof. Abhay Kumar Ray was the resource person. This workshop was focused towards making the students aware & sharpening the skills of Hadoop for their better placements .



This workshop covered the topics like Introduction to Hadoop & its components , configuration and installation, Integration of Java APIs , introduction to Hive and HQL and demonstration and use case based study on Hive and Hadoop. Students were very interactive in the whole session.

### Workshop on “Oracle E-Business Suite Applications” in association with Oratree Solutions Pvt. Ltd.

CRC–IT of Department of I.T., I.T.S, Mohan Nagar, Ghaziabad in association with Oratree Solutions Private Limited, Noida organized one day Workshop on “Oracle E-Business Suite Applications” has organized by CRC –IT in association with Oratree Solutions Private Limited, Noida for MCA final year students for their better placement on 18<sup>th</sup> August, 2018 . Mr. Sumit Chauhan, Managing Director, Ms. Kriti Arora, HR- Head and Mr.



Pankaj Dubey, Sr. Manager from the Oratree Solutions Private Limited, Noida were the key resource person. This workshop focused on practical and application aspects of recent version of Oracle E-Business Suite and covered the topics like Introduction and importance of ERP in Industry, Introduction to Oracle E-Business Suite Applications, Its different module, security and privacy aspects of this application, Demonstration of this application with some real life examples . It was very interactive and informative workshop.

### Abhivinyas- 7-Days Orientation Program for 22<sup>nd</sup> Batch of MCA Programme



Department of I.T. organized seven days Orientation Programme of its newly admitted 22<sup>nd</sup> batch of MCA (2018-2019) at the Institute from 20<sup>th</sup> August to 25<sup>th</sup> August, 2018. The formal inauguration and opening ceremony for the above mentioned batch of MCA Course was on 21<sup>st</sup> August, 2018. Opening & Inaugural ceremony was formally inaugurated with the lamp lightning by Vice Chairman, I.T.S-The Education Group, Sh. Arpit Chadha, Director-PR, I.T.S- The Education Group, Sh. Surinder Sood, Chief Guest , Dr. M.M.Pant, Former

Pro-Vice Chancellor, IGNOU and Founder & Chairman- PlanetEDU, Guest of Honor, Mr. Ravinder Arora, CISO, IRIS Software, Mr. Tarun Nehra, National Operations Head, TCS, Director-I.T., Dr. Sunil Kumar Pandey, Chairperson- MCA Programme , Prof. Puja Dhar and Coordinator-MCA, Prof. Smita Kansal. Vice Chairman, I.T.S-The Education Group, Sh. Arpit Chadha welcomed the newly admitted students of MCA and said that students will get ample of opportunities to interact with the Leaders of Industry which will help them to correlate their university syllabus with the real corporate life. Director-PR, ITS-The Education Group, Sh. Surinder Sood welcomed all the students and wished them best luck for the new beginning of their professional career and advised them to work hard and be updated as per the demand of the Industry. While addressing the students Director-IT, Dr. Sunil Kr. Pandey said that Department always provides the



Opportunity to students of MCA to work on Industry Projects during studies. In house Skill Development Cell for overall development and Placement preparation modules. He said that Department of I.T organizes many Industry visits for MCA students to leading IT Companies like TCS, SOPRA, Data Centres and the Organizations who have adopted Technologies including Narora

Atomic Power Plant, AMD, Smart Health, Apple Centre of Excellence, Mother Dairy, ITS-CDSR for CAD & CAM System used in Dentistry.

Chairperson-MCA, Prof. Puja Dhar while welcoming the students of 22<sup>nd</sup> Batch of MCA said that the I.T



Department believes in the process of learning by doing and hence the University prescribed curriculum is well supplemented with various value added Modules, continuous industry interaction, different IT Clubs, industry visits, CXO Meet, CEO Meet, SAMAGRA, IT-Summit, Conferences and many more.

Chief Guest of the inaugural ceremony, Dr. M.M.Pant talked about the shaping minds for the new millennium. He said that success happens when preparation meets opportunities. He also discussed about the Top 10 skills of year 2020 and technology mega trends in the 4<sup>th</sup> Industrial revolution.



Guest of Honour, Mr. Ravinder Arora discussed about the Cyber Security and the IT jobs that can lead to Cyber



Security careers. He also advised students to learn ,practice and stay updated. While addressing the Students Mr. Tarun Nehra, National Operations Head, TCS, said that students have to come out of the shell and make the road map for their career. He also emphasized that students should also take care of their health and make routine of walking so that they will remain fit and can work in a healthy environment. He also advised students to work on their basic concepts of all the subject which they will study during their MCA course.

After the formal Inaugural ceremony, Mr. Suneel Keswani, POSSIBLERS took the session on Personality Development where he interacted with the students and gave them real life examples and how to cope up in the difficult situations. This was followed by four days Orientation Program to sensitize students with MCA Program, Course requirement & structure, industry orientation through invited



Industry people and other basic technical skill sets which are required for their professional development. From 20<sup>th</sup> August to 25<sup>th</sup> August, 2018 some special sessions were also scheduled after the inaugural day. The objective of these sessions was to make the new students aware about requirement from the industry so that they can prepare themselves accordingly. In continuation with the Orientation Programme, on 20<sup>th</sup> August,

2018, Mr. Upkar Singh, Director Technology, FIS, Global, Noida took the session and very nicely explained about the VUCA world which means Volatility, Uncertainty, Complexity and Ambiguity. He also advised students to follow 10-E Keys starting from Enthusiasm to enjoying the successful life. On the same day on 20<sup>th</sup> August, 2018 ,Students were also involved in a Yoga Session where the team members from Art of Living were invited.



Students enjoyed many mind games and they also gave them some tips to sharpen their mind while they are in stress. On 23<sup>rd</sup> August, 2018 students were also taken for an Industrial Visit to the CISCO LAB of APTRON, Noida. They were given the demonstration on how data transmits and other networking concepts were also discussed in the session. On 24<sup>th</sup> August, 2018 there were also some other PDP sessions taken by Prof. Preeti Baliyan and Prof. Chanda Jain. Mr. Neeraj Chandhok also took one session on Customer Service Orientation where he interacted with the newly admitted students of MCA Programme. On 25<sup>th</sup> August, 2018 a valedictory

ceremony on 5-days MCA Orientation Programme on 22<sup>nd</sup> batch of MCA was organized which was followed by the Industry talk by Mr. Amandeep Singh, CIO, Ford Motors, Gurgaon. He very nicely discussed about the new technologies like IOT, Data Science, Machine Learning and Deep Learning. He made the session so interactive that students were totally involved in his talk and also cleared their doubts regarding the new technologies and demand in the Corporate world.



While addressing the students Mr. Manikanand Iyer, Head AMD India discussed about the demands of the Industry from the students. It was followed by the Alumni interaction where MCA alumni including Mr. Vikas Sharma, WIPRO, Mr. Manish Sharma, Syscom, Mr. Gautam Bagga, Infosys, Mr. Yash Mendirata, WIPRO, Ms. Manisha, IBM and Ms. Muskan Abbasi. It was an open session

where students asked many queries to the invited alumni and they too made this session interactive.

## Special Session on “Industry Expectations for Career Perspectives” for MCA Students



On 20<sup>th</sup> August, 2018 an invited talk by Director Technology, FIS, Global, Noida, Sh. Upkar Singh conducted a session on "Industry Expectations for Career Perspectives" at I.T.S, Mohan Nagar, Ghaziabad. Before starting of the session, Shri Upkar Singh was warmly welcomed by Dr. Sunil Kr Pandey, Director IT, by presented him a Sapling. Dr. Umang presented a brief about the Session and introducing Shri Upkar

Singh with audience. In this session, Shri Upkar Singh delivered a talk on “Industry Expectations for Career Perspectives”. The session included discussions on general conditions and situations of VUCA World. He has well explained VUCA Acronym. He has also discussed systemic failures and behavioral failures, which are characteristic of organizational failure. Shri Singh said that VUCA often relates to how people view the conditions under which they make decisions, plan forward, manage risks, foster change and solve problems

This event was in the series of Invited talks by national speakers of repute by Dept. of I.T. of the institute with an objective to provide the detailed insight of the latest developments in technology, research issues and futuristic development.

### Reunion of MCA/MIS/MIT Alumni at I.T.S, Mohan Nagar, Ghaziabad



With an objective of increasing interaction and strengthening the institute-alumni relationship, on 1<sup>st</sup> September, 2018 Department of IT organized reunion of MCA/MIS/MIT Alumni at Chanakya Auditorium of the institute. This event was organized for the first time exclusively for the alumni of MCA/MIS/MIT Programme.

In the beginning of the event Director (IT), Dr. Sunil Kr Pandey welcomed the alumni & their family members and presented a brief about the institutional growth, activities, achievements and departmental initiatives & accomplishments of Department of IT. Dr. Umang, MCA Alumni Coordinator briefed about an event. After formal inaugural Session, there were different activities including experience Sharing by Alumni, Games & Activities for Kids, Male Alumni, Female Alumni, Couples, Parents, Magic Show and Networking & Interaction. Towards the end of the programme all the Alumni members were felicitated by the Director (IT) with specially prepared Memento and books edited by Honorable Chairman, I.T.S The Education Group. The activities were conducted by the faculty team of Alumni Coordinator (PG(IT)) - Dr. Umang Singh, Prof. Smita Kansal and Dr. Vidushi Singh.

Alumni members were happy with the event and requested for such events on regular basis. They also promised to extend their support in the process and in the institutional activities. Total 150+ Alumni with their spouse and kids family members from senior batches (who passed out in the year 2000, 2001, 2002, 2003, 2004, 2005).

**Celebration of Teacher's Day by the Students of MCA (2017-19/20) & MCA(2018-20/21) on 5<sup>th</sup> September, 2018 @ I.T.S, Ghaziabad**

**Cake Cutting Ceremony**



**Cultural Activities**



## Ghoshti in view of celebration of “Hindi Diwas” by Department of I.T. on 14<sup>th</sup> September, 2018



Department of IT, I.T.S Mohan Nagar, Ghaziabad celebrated “Hindi Diwas” by organizing a Ghoshti on 14<sup>th</sup> September, 2018. Dr. R. K Bhadoriya (Owner of Satyam Sangeet Aashram, Ghaziabad), Sh. Praveen Kumar (Poet & Story writer), Sh Alok Yatri (Sr. Editor & Story writer), Smt. Taruna Mishra (Poetess ) and Sh Shivam Garg( President Antarman Youth Foundation) were the

guests in this occasion. They also shared their views and also chanted their poems. On this occasion an article writing competition was also conducted for the students of MCA (2017-19/20) and MCA(2018-20/21). The occasion was also graced by Dr. Sunil Kr Pandey (Director-IT), Dr. Ajay Kumar (Director-Management), Dr. Vidya Sekhri (Director-UG), Prof.



Nancy Sharma (Vice Principal UG Campus ) , Chairperson-MCA, Prof. Puja Dhar, Coordinator-MCA, Prof. Smita



Kansal coordinator of this event Prof. Saurabh Saxena & Faculty members of Department of IT. Every student and faculty members of Department of I.T., I.T.S, Ghaziabad enjoyed the poems and song shared by the poets of the day.

## Tribute to Indian Soldiers on the 2<sup>nd</sup> Anniversary of Surgical Strike Day on 29<sup>th</sup> September, 2018 by Department of I.T., I.T.S, Ghaziabad



Department of I.T. celebrated 2<sup>nd</sup> anniversary of “Parakram Parv- The Surgical Strike Day” on 29<sup>th</sup> September, 2018 at I.T.S, Mohan Nagar, Ghaziabad. The event started with the address of Director-IT, Dr. Sunil Kr. Pandey. He said that a surgical strike is a military attack which results in, was intended to result in, or is claimed to have resulted in only damage to the intended legitimate military target. It was on 29<sup>th</sup> September 2016, eleven days after the Uri attack, Indian army said it had conducted "surgical strikes" against suspected militants in Pakistani-administered Kashmir. He said that we should be thankful to our Soldiers for making our lives safe. He also congratulated students of MCA for participating in this event.



While addressing the gathering, MCA-Chairperson, Prof. Puja Dhar said that this is not only to celebrate the Surgical Strike Day but we are paying a tribute to our soldiers who sacrifice their lives for the nation. Prof. Dhar also appreciated the students of MCA who had prepared and presented their views in the form of poems and talks.

MCA-Coordinator, Prof. Smita Kansal also addressed the students and said that we salute the sacrifices of our soldiers. She also appreciated the students of MCA for preparing posters and reciting poems on the day.

Administrative Officer, Captain Krishna also addressed the students. He very nicely discussed about the process and working of Surgical Strike. He also advised students to have positive attitude towards whatever they do in life.







All the faculty members of Department of I.T. also shared their views. Faculty members also show full enthusiasm in celebrating this day. Students of MCA had also prepared posters, some of the students chanted poems with full enthusiasm and some talked about the Surgical Strike and role of Indian Army in making our lives safe. Overall it was a true tribute to our Indian Army.

### Workshop on “Automation Testing using Selenium” by Senior MCA Alumni for the students of MCA



On Saturday, 29<sup>th</sup> September 2018, Department of IT organised workshop on “Automation Testing using Selenium” For this session, I.T.S MCA Alumni, Mr. Manoj Kumar (2000-2003), Technical Architect, Ebix Noida was invited as a speaker of the workshop. While delivering the welcome note, Dr. Sunil Kumar Pandey, Director-IT was overwhelmed & thanked Mr Manoj for his efforts towards his alma maters for guiding them. Dr Umang,

Alumni Coordinator, PG(IT) briefed about Session. In this session, Mr Manoj discussed about Manual Testing and Automation Testing with Live Demonstration. It was very knowledge enriching Session which must have provided a good inside and Overview of Automation Testing using Selenium to our MCA Students. Mr Manoj told that Selenium is widely used as a test automation tool. The workshop on Automated



testing with Selenium WebDriver concentrated on implementing a structured test automation framework with the help of Selenium WebDriver. During the workshop, the Java programming language is used. The workshop starts with a introduction into Java programming and types of testing. After this the participants learn how to work within TestNG, the frameworks required to run Java checks and tests. Next they dive into exercises to train the most commonly used Selenium WedDriver functions. Mr Kumar told that

Automatization does not only mean running tests, it also covers preparing the initial situation and cleaning up the environment afterwards. It was good experience for participating students.

### Ms. Muskan Abbasi ,MCA(2016-18) batch student in Top-5 AKTU Merit List



Institute feels proud and privilege in sharing that from many years MCA students have brought laurels to the institute by placing themselves in Top-10 Merit list of University. Following the same tradition, this year too one of the students of MCA(2016-18)batch Ms. Muskan Abassi have secured 4<sup>th</sup> position in entire U.P. in MCA course the result of which is recently announced by Dr. APJ Abdul Kalam Technical University, Lucknow. She was felicitated with a memento, Cheque of Rs.10,000/- and Certificate of appreciation.

### Dr. Sunil Kr. Pandey received prestigious Enterprise IT World Cyber Sentinels Award 2018



Dr. Sunil Kr. Pandey, Director-IT, I.T.S, Ghaziabad received prestigious Enterprise IT World Cyber Sentinels Award 2018 at Lalit Hotel, New Delhi on 10<sup>th</sup> August, 2018. This is a prestigious Award of IT Industry and is given by Enterprise IT World (Accent Media) & InfoSec Foundation in association with Kaspersky Lab, Tata Tele Services, Fire Eye, NTT Communications and other Global Cyber Security Giants. The Awards were given on yesterday, 10th August, 2018 in New Delhi during Enterprise IT World Security Symposium 2018 on the 10th of August at The Lalit Hotel, New Delhi. The event was graced by over 100 Cyber Security Professionals from diverse sectors of the Country who are leading the Cyber Security domain



and was graced by dignitaries including Dr. Sanjay Bahl, Director General, CERT-IN; Dr. Ajeet Bajpai, Director General, National Critical Information Infrastructure Protection Centre; and Prof. NK Goyal, Chairman, Communications, Multimedia and Infrastructure Association of India, CISOs, CSOs and CTOs of all leading companies of the Country. During the event, he had also participated in a Panel Discussion on the Topic "Cyber Security Challenges and Changing Role of CISOs in Industry in Changing Scenario". In the evening I was also a part of CISOs Round Table Discussions. During the discussions current state of affair in IT Industry, challenges & changing roles & responsibilities of CIOs, CISOs, CSOs, & CTOs, how to prepare for future challenges in role of CISOs & CTOs in view of fast changing technologies, applications & processes and how to align it with the Industry objectives to keep it relevant and progressive.

### Dr. Sunil Kr. Pandey received prestigious CIO Crown 2018 for Digital Transformation



Dr. Sunil Kr. Pandey, Director-IT, I.T.S, Mohan Nagar, Ghaziabad has received prestigious award "CIO Crown 2018" for Digital Transformation at 6<sup>th</sup> Annual CIO Crown 2018 conference at the Courtyard by Marriott in Mumbai.

### Faculty Participation in External Events

Date	Faculty	Events
26 <sup>th</sup> June-1 <sup>st</sup> July, 2018	Prof. K.P Singh Prof. Abhay Kr. Ray	Attended Faculty development Programme on "Data Analytics with R" in association with E & ICT Roorkee
5 <sup>th</sup> July, 2018	Dr. Sunil Kr. Pandey (Director-IT)	Invited as Panelist in BW Business World Engineering Excellence Conclave 2018
5 <sup>th</sup> July, 2018	Prof. Smita Kansal	Attended BW Business World Engineering Excellence Conclave 2018
14 <sup>th</sup> July, 2018	Dr. Vidushi Singh	Attended "Everlasting Youth-Reclaim It" at Anand Sangha at Panchsheel Park New Delhi
21 <sup>st</sup> July, 2018	Dr. Vidushi Singh	Attended SPOC Felicitation workshop at IIT Kanpur outreach

23 <sup>rd</sup> July – 28 <sup>th</sup> July, 2018	Prof. Abhay Kr. Ray	Conducted a session on "Hand on Hadoop and Cloud computing"
9 <sup>th</sup> August, 2018	Dr. Sunil Kr. Pandey (Director-IT)	Invited as speaker in 12 <sup>th</sup> World education summit 2018 talk delivered on Topic Potential of MOOCs Distance Education E Learning and Blended learning in High education
23 <sup>rd</sup> August, 2018	Dr. Sunil Kr. Pandey(Director-IT)	Invited as a speaker in EduTech Congress held at Hotel Oberoi, New Delhi
27 <sup>th</sup> September, 2018	Dr. Umang Singh Prof. Smita Kansal	Attended 7 <sup>th</sup> Mail Today Education and Summit at Hotel Oberoi, New Delhi
28 <sup>th</sup> August, 2018	Dr. Umang Singh	Delivered a Talk on "Journey Towards Wired Networks to Adhoc Network" at BPS Mahila Vishwavidyalaya, Sonapat

### Announcement and Contact Details

VIBRANCE is an E-Newsletter of Department of I.T, I.T.S, Ghaziabad. We look forward to the contribution from our students, alumni, faculty members and industry experts.

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