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NAAC Accredited 'A' Grade Institute
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VIBRANCE

January-March 2019, Vol.12, Issue 1

Quarterly E-Newsletter of Dept. of I.T, I.T.S, Mohan Nagar, Ghaziabad



RECORD HOLDER FOR MOST PEOPLE USING
MOBILPHONES AT MULTIPLE VENUES
Forbes INDIA
Listed Great Indian Institutes
2018-19



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Awards & Accolades



Dr. R. P. Chadha, Chairman, I.T.S - The Education Group received Jewel of UP and Uttarakhand Award



Most Preferred PG & UG Institute in India Award



Lord Baden Powell National Award 2019 by Scouts/Guides Organizations



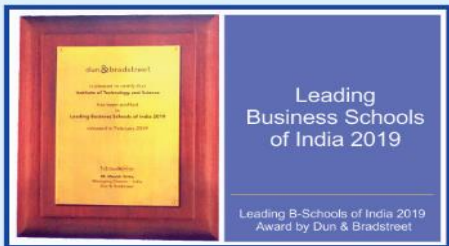
Best Private Under Graduate College in India by CEGR - 2018



Education Technology Innovation Awards for Enterprise Security by Indian Express



Dewang Mehta National Education Award for Encouraging Leadership - 2018



Leading Business Schools of India 2019

Leading B-Schools of India 2019 Award by Dun & Bradstreet



CSR Excellence in Education Award by CSR



Best Private UG College (BBA & BCA) in North India By Icci

Achievements of I.T.S, Mohan Nagar, Ghaziabad

Including in Top-100 Institutes in India in NIRF Ranking 2019 by MHRD, Govt. of India



in Ghaziabad



in Uttar Pradesh



in Country

International Collaborations

- EC-Council University, New Maxico, USA
- Wyzykowski University, Polkowice, Poland



Industry Associations

Department of I.T has signed MOUs with the following mentioned Companies during January to March, 2019

- TCS' iON
- TedSHARK Labs, UK
- Conduira Education & Training Services Pvt. Ltd.

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IoT and Agriculture

According to the development trend of modern vegetation growth and the requirements for science and technology. The traditional methods mainly rely on natural resources and low labor costs. It's difficult and inefficient, and the workload is heavy. So it cannot meet the requirements of modern vegetation growth which is high-yield, high quality, efficient, safe and ecological. Because the IOT (Internet of Things) technology was applied to agriculture, the modernization and the information technology of agriculture have been greatly improved.

This article focuses on the introduction of the concept of IOT and summarizes applications in the modern breeding, crop growth, quality and safety of products monitoring with using IOT. Nowadays, with the rapid development of wireless network technology, control technology and Internet of Things, the concept of smart home has become increasingly more common. As an element of smart home, smart pot has become more popular than ever among a growing number of young people.. This project puts forward a remote smart pot based on wireless signal transmission. The productivity of plant growth is heavily influenced by the change in environmental.

When water in the soil, solar radiation, humidity and all factors affecting the production. The crop management can be carried out by gathering the present status of these parameters of the field and user can take necessary action to improve the growth. A group of sensor nodes work collaboratively to perform a common task. Recently sensor make revolution into many segments of our economy and life, from environmental monitoring, to automation in the transportation, to manufacturing and business asset management and health care industries. In environmental monitoring agriculture need for increasing the production and simultaneously the efforts for minimizing the environmental impact and for saving costs make the sensor systems the best. Wireless Sensor Network is widely used in electronics. The design to implement for monitoring the growth of canopy using sensor network which manages information. The use of crop sensing technology in grains, cereals and other production this is one technique to increase plant health and yield potential. Sensors measure the needs of your crop and provide application rate recommendations for their needs in real time to maximize your profit.



Mayank Goyal
MCA-2nd Year

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Since the beginning of this century we have been facing a new type of conflict worldwide which is the control of cyberspace. The main dilemma being faced in cyberspace is lack of universal understanding of definitions, norms, values, rules, regulations and laws on the use of internet in general and the prosecution of criminals in particular.

Developed countries have started exploiting the vulnerabilities of cyberspace to gain supremacy and influence over their rivals. To be able to use the cyberspace, the developing countries rely on the products made by the western world and what is more important is that they use the technology developed by the same countries to protect their information.

Between the years 2000 and 2010, the global usage of internet went from 360 million users to over 2 billion users. This usage explosion was due because cyberspace became a lot more effective and productive. Although the usage of cyberspace has many advantages, it also has some disadvantages. The most important one, is that there are no physical borders to it. Moreover, the anonymity offered by cyberspace has helped criminals to get away with almost any illegal usage of the web.

Cyber-attacks can harm the national interest of all countries, especially the potential harm to economic growth. Because the internet is a borderless globally connected network, cyber attackers can harm other countries by using computer's in the countries where there is poor cyber-security and remain anonymous. The openness of the Internet thus requires all nations to have effective cybersecurity policies to have a safe and secure Internet.

Much of the effort to address this issue is done by the western world, here are shown a few examples:

- USA has created National Cyber Security Division under the Department of Homeland Security and US Cyber Command (CYBERCOM) under United States Department of Defense.

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- France has raised Strategic Commission for the Defense of National Information Systems under Ministry for Homeland Security and the National Agency for Information System Security.
- Germany has established National Cyber Response Centre under the Federal Office for Information Security and the National Cyber Security Council.
- China is developing its military cyberspace capabilities to gain strategic advantages being an emerging superpower.

In 2012, developing countries like Pakistan, Egypt, Philippine and South Korea were ranked amongst the top ten countries hosting the compromised computers (bots) and initiating malicious activities, without the consent of the owner of compromised computer. Countries like this should enforce the law to achieve a safer global cyberspace.

As said earlier, the problem is that hardware, software and control systems are mostly manufactured by developed countries so that makes the developing countries vulnerable to having hidden malwares in these components which can lead to espionage and wrong manipulation of certain machines. Stuxnet virus is one example of this situation. This virus took control of over a thousand machines that were participating in the production of nuclear materials and was giving them the instruction to auto destruct. They believe that a USB had been previously infected and then used in one of the machines at the laboratory thus infecting the whole system.

A recent cybersecurity report on Kenya says businesses are losing about \$146 million every year to cyber-crime. South Africa's Sunday Times newspaper reported that hackers launched 6,000 cyber-attacks against South African infrastructure, internet service providers (ISPs) and businesses in October 2015 alone.

The problem with developing countries is that they use existing popular templates rather than creating their own and this makes it very easy for the hacker to get into the system and manipulate it. Finally, technical competence and awareness are thought as pressing issues to achieve cybersecurity in developing nations. The government should start to work with young people with good computer skills who might otherwise be tempted to use them for illegal purposes.



Sokoya Adedolapo Abdulazeez
MCA-IV Semester



Music Therapy

“Music in itself is healing. It is an explosive expression of humanity. It’s something we are all touched by. No matter what culture we are from, everyone loves music. ”

Billy Joel

Music is very important part of our life. In our life we have a growing phase even our latter years we become closely dependent on Music. It has the power to alter our moods, our emotions a perception of joy & sorrow without music a festival will not seem as much fun & a wedding would just be a tedious ritual. Music also affect our bodies. Music is very effective in producing a deep & a healing state of relaxation. It is also very efficient in reducing stress.

Music & raga therapy is an established alternate therapy that uses the part of music & classical raga to improve the quality of life of healthy people as well in improving the health of people with illness. It is believed that Indian Classical Music has the capability to surround the listener with a deep & calming mood effect. The same he gets when he envision a sunset as the music floats into the atmosphere it surrounds the listener to the sense of healing & relaxation. When a person listens to soft & soothing music happiness molecules are released in his or her body. These happiness molecules helps in reducing the levels of stress & depression in our body. Thus we can say that music therapy plays a very important role in our life because the base of all diseases is nothing but Stress. Hospitals across the globe have experimented at classical music & have come up with the extremely positive response from patients suffering from various ailments. Today Music therapy is increasingly for being used to manage stress & promote wellness & overall physical rehabilitations. In today’s fast paced world we experience stress on daily basis. Reducing stress is very important for our well-being. Anyone can enjoy the benefits of music therapy either by listening to it on their home systems or even using Headphones. Other organizations like AMTA(American Music Therapy Association) supports music for all & applaud the efforts of individual who share their music-making & time. We say the more music the better! But clinical music therapy is the only professional, research-based discipline that actively applies supportive science to the creative, emotional & energizing experiences of music for health treatment & educational goals. At last Music is a language that does not speak in particular words. It only speaks in emotions.

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Manish Srivastava
MCA-IV Semester



Increase in Cloud Adoption and Cloud Computing

The adoption of cloud computing in the businesses has been growing rapidly. The spending on the cloud is expected to grow at more than six times the rate of general IT spending this year. Few key trends that can be foreseen are rapid enterprise cloud adoption, reduced concerns over cloud providers' security, increasing the complexity of cloud deployments, and the increase in as-a-service deployment thinking. The Hybrid Cloud model will offer a transition solution to the enterprises that mixes the existing on-premises infrastructure with public cloud and private cloud services. This will help in creating a way where companies can transition to the cloud at their own pace while being flexible and efficient.

Serverless cloud architecture is the fastest growing model and going to gain momentum in 2019. Serverless architecture significantly lowers the running and operational costs.

Due to features like pay-per-use, high resiliency, ability to scale up/down based on usage, self-service etc. cloud service providers such as Amazon Web Services (AWS), Microsoft Azure, and Google Cloud appeal to many organizations. All these features are expected to benefit and lead cloud usage to a much lower IT costs, better service quality compared with traditional IT offerings and faster time-to-market. Connected to microservice and serverless architecture, we will see Containerization become even more popular. Containerization helps the software development and operations teams in abstracting the applications and the platform into an easily manageable container which allows building and deploying applications faster. Organizations are seeing clear benefits through containerization and will increasingly use tools like Google's Kubernetes, Docker's Swarm, Apache's Mesos, and others for containerization in 2019.



Karan Pandey
MCA-IV Semester

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Happening @ Department of I.T during January-March, 2019

Special Session on Artificial Intelligence & it's Applications



Ms. Sandhya Bondriya conducted an interactive session for faculty members of Department of PG-IT & UG-IT on Artificial Intelligence & it's Applications on 10th January 2019. She is an IES Officer & Director (Engineering) at Ministry of Information & Broadcasting, Govt of India, Alumna of Stanford University USA, a Technocrat and Author. The session started with the discussion on the growth and evolution of AI and its impact on our lives and specifically on business. The role of AI & Machine Learning Powered Platform for increasing student engagement, professor efficiency and carry out accreditation procedure with ease with a common goal to improve learning and teaching experience, saving time and redundancy was explained by the expert.

Guest Talk on "Software Project Management" for students of MCA

On 17th January, 2019, Department of I.T, I.T.S, Mohan Nagar organized a one day workshop on "Software Project Management" for MCA Students. Senior Alumni of MCA (2000) batch, Mr. Shailendra Malik, Program Manager, HCL Technologies was the speaker of this session.

While addressing the gathering, Director-IT, Dr. Sunil Kr. Pandey said that Department of I.T is fortunate to have a strong connect with its MCA Alumni and they are always ready to take sessions for their alma-



mater and bridge the gap between the Academia and Industry. Mr. Shailendra Malik talked about the Software Project Management. He advised students not to take stress regarding their placement. He also advised students to work on the basic concepts of the subjects which they study in MCA program. He also said that students should be updated and aware about the new technologies. Students were totally involved in the session. He also involved students in

a role play where students were taught about the importance of new technologies and their role in the industry.

Guest Talk on "Digital Transformation through IoT Eco System" through Video Conferencing

A Special Session on "Digital Transformation through IoT EcoSystem" was organized through Video Conferencing for the students of IT Programs (MCA & BCA) on Friday, 18th January, 2019. Mr. Vijay Gunti, CTO DIGIOTAI Solutions & Founder of IoTAI-Tech Labs, Hyderabad was the Key Speaker & Resource Person for this Session.

During the session Mr. Gunti enlightened the audience with the latest & upcoming technologies like Blockchain, Industry 4.0, Digital Twin, Artificial Intelligence, Machine Learning, Big Data. He discussed the concepts and applications of IoT and what are the challenges in IoT Applications in Indian context.

He has shown visuals of existing IoT based applications by taking practical examples. Further, he explained Commercial Building Energy Performance Index, IoT along with existing Applications Alexa, Tesla, facial recognition parameters etc. He also spoke about Blockchain, ICO, Crypto Currency, Robotics Process Automation, a detailed insight on Augmented Reality, Virtual Reality and Mixed Reality and latest technologies related to IoT. He presented various example through examples of real life scenarios with pros & cons of Crypto-currency and why it is banned in India. Mr. Vijay Gunti also interacted with faculties and answered the queries raised during the session.



Prof. T V VijayKumar, JNU Delhi conducted a special session on "Software Development: Why, What and How" for MCA Students

Department of IT organized a special session on "Software Development: Why, What and How" for MCA Students by Prof. T.V. Vijay Kumar, Professor, School of Computer & Systems Science, JNU, New Delhi. The objective of the session was to make students aware about software development methodologies and tools that can help increase productivity, efficiency, and quality.



The resource person Prof. T V Vijay Kumar has started the session by explaining a detailed insight about History and evolution of Software Engineering as a domain. Prof. Kumar discussed about the Software Development Processes and explained various process models with practical demonstration and examples. He also discussed about various concepts including - Process and Product, Verification and Validation, Software Development Life Cycle, Waterfall, Iterative, Incremental and Spiral models. Advantages & disadvantages of various models. Prof. T V Vijay Kumar addressed to various queries of students of MCA

**Mr. Deepak Singh, AGM, HCL Technologies conducted a talk on the topic
“ Over the Top” for MCA Students**

On 19th January, 2019 Department of I.T, I.T.S, Mohan Nagar organized a one day workshop on the topic “ Over the Top” for MCA Students. Mr. Deepak Singh, AGM, HCL Technologies, Senior Alumni of MCA(2003) batch was the speaker of this session. While addressing the gathering, Director-IT, Dr. Sunil Kr. Pandey welcomed Mr. Singh and said that it is a proud moment for him being a Director-IT to share dias with his student from First batch of MCA.



While talking to the students of MCA, Mr. Deepak Singh said that students should focus on the basic concepts of the subjects which they learn during MCA. Mr. Singh discussed about the new technologies being used in Airlines and how telecom industry is moving towards the advance technologies. He also focused on the working of Netflix, how data is streamed, telecasted and stored

using various current technologies? He advised students to make them updated as per the upcoming technologies in the corporate. During the whole session students were involved in the two-way interaction where they cleared their doubts regarding their placement and course curriculum. Mr. Singh also thanked Department of I.T for always providing hospitality to all the Guests including Alumni or others from the industry.

**Mr. Ajeet Solanki, Cognizant Technology Solutions , Chicago, USA for a Guest Talk @ I.T.S,
Mohan Nagar**

Department of I.T, I.T.S, Mohan Nagar organized an alumni Talk for MCA Students on 23rd January, 2019. Mr. Ajeet Solanki, Cognizant Technology Solutions, Chicago, USA & MCA Alumni of batch 2005 &

BCA(2002)batch, was the speaker of this session. In this session, Director-IT, Dr. Sunil Kr. Pandey and Vice Principal UG Campus Prof. Nancy Sharma were also present. While addressing the gathering, Director-IT, Dr. Sunil Kr. Pandey welcomed Mr. Solanki and said that it is always proud moment for him being a Director-IT to share dias with his student.

He said that it is a matter of great satisfaction and happiness to see our Senior Alumni coming back to their own Institute to share their exploration, learning and experience with the students and to guide



them. Vice Principal UG Campus, Prof. Nancy Sharma welcomed Mr. Solanki and said that such interactive session helps students greatly in understanding the Industry requirements & challenges and helps them in preparing themselves.

In the Session Mr. Solanki talked about the latest trends in IT Industry and explained the important attributes needed for a successful start of career. He

also guided them as how to prepare themselves. The session was very interactive, informative and knowledge enriching. Mr. Ajeet Solanki shared his journey from Jr Programmer to Consultant and he has discussed about his client-side projects.

Special Session on "Software Testing" for MCA Students

A Special Session on "Software Testing" was organized by the Department of I.T. on 2nd February, 2019. Mr. Puneet Prakash Nigam, Cognizant Technology Solutions, Noida & MCA Alumni (2002 Batch) was the speaker of this session.

While addressing the gathering, Director-IT, Dr. Sunil Kr. Pandey welcomed Mr. Nigam. In the Session, Mr. Nigam talked about the latest trends in IT Industry and explained the important attributes of communication needed for a successful start of career. He also guided them as how to prepare themselves. The session was very interactive, informative and knowledge enriching. While talking to



the students of MCA, Mr. Puneet Nigam focused on Software Testing and told that students should focus on the basic concepts of the Testing. Mr. Puneet Nigam discussed on Software Development Life Cycles and outcomes of each phase of cycle. He has discussed on Static Testing and Dynamic Testing with its types. He advised students to be focused towards studies and also upcoming technologies of Software

Testing which are on demand in the corporate. Mr Nigam has also answered the queries raised during the session.

Video Conferencing Session on “Machine Learning in Action : From Strategy to Deployment” for MCA students

With an objective to create best learning opportunities for MCA Students, Department of IT, I.T.S, Mohan Nagar Ghaziabad has organised session on “Machine Learning” through Video Conferencing on 7th February, 2019 .In this session, expert Mr. Ravi Gupta, CRG Solutions discussed about Machine Learning and it is related examples and he has also focused on what type of strategy, we should follow for related applications.



Two Weeks Faculty Development Programme on ENTREPRENEURSHIP”

With a view to create awareness & importance of entrepreneurship among the faculties of Science & Technology background, a Two-Week Faculty Development Program on “Entrepreneurship” sponsored by Department of Science & Technology, Government of India, New Delhi was organized by Entrepreneurship Development Cell (E - Cell) of Department of IT, at Institute of Technology & Science, Mohan Nagar Ghaziabad between 28th January - 9th February, 2019.



The FDP was inaugurated on 28th January, 2019 by the chief guest Dr. Usha Dixit ,Director DST, Dr. S. P.



Mishra – A well-known expert in Entrepreneurial Development, Dr. Sunil Kumar Pandey - Director-IT, Event Coordinator Prof. Saurabh Saxena and Prof. Varun Arora. Total 25 Faculties from different institution attended this

Program.

Prof. Saurabh Saxena Coordinator-E-cell briefed the participants about the structure, design of the programme and spelt out the expectations of the organizers from the participants. The session was

devoted to an interactive session on “Introduction to Entrepreneurship and Charms of becoming an entrepreneur”. He briefed the participants about the primary objective of this camp was to make the participants aware about the different areas of skills where they can establish themselves as Entrepreneur and create the job for others. Participants were aware about various components of entrepreneurship development process through lecture, panel discussion, interaction and experience sharing by existing entrepreneur.

Industry visit to Mother Dairy by MCA Students



Department of I.T. organized one day Industry visit for the students of MCA to the Mother Dairy, New Delhi on 12th February, 2019. The students were taken to the zone where actual milk processing is done.

Students were shown some of the tests which Mother Dairy performs before delivering the milk to its customers. There are total 25 tests which are performed on the milk so that it is safely delivered to the people. Some of Faculty and staff Members of Department of I.T. including Prof. Puja Dhar, Prof. Smita Kansal, Prof. Saurabh Saxena, Prof. Varun Arora , Prof. K.P.Singh, Dr. Vidushi Singh and Ms. Babita also accompanied the students.

Mr. Charan Kawal Singh, (MCA Batch 2001-2004), Hitachi Consulting Group conducted a Session on “Experiential Learning”

Department of IT organized Special Session on “Experiential Learning for IT Students in Alumni Talk Series” on Friday, 15th February 2019. For this session, I.T.S MCA Alumni, Mr. Charan Kawal Singh, (MCA Batch 2001-2004), Hitachi Consulting Group was invited to conduct this session and address the MCA Students.

In the beginning of the Session, Dr Sunil Kumar Pandey, Director IT & Alumni Chairperson welcomed & felicitated Mr Charan Kawal Singh. Dr Pandey was overwhelmed & thanked Mr. Singh for his efforts to his juniors for their bright career.



In this session, Mr. Singh guided as how to prepare for a career of choice and succeed. Mentioning about the latest trends - Blockchain Technology, IoT, Bitcoins he said that in spite of all developments the core

remain almost same and hence fundamentals needs to be worked upon and should be made strong. It was truly mesmerizing to listen him and his thought process. He discussed about entrepreneurial attitude and attributes.

One day Workshop on ‘NLP’ for MCA students on 15-feb

Department of I.T organized one-day workshop on “NLP” for the students of MCA Programme on 15th February, 2019. Ms. Parul Pankaj, NLP Practitioner was the speaker of this workshop.

While addressing the students Director-IT, Dr. Sunil Kr. Pandey said that the objective of this workshop was to help our students in empowering them with powerful NLP techniques. They were encouraged to develop strategies to boost their motivation, and motivate others.

The workshop was helpful to students to create and maintain a learning organization, feel and understand that the success of the organization is directly contributed to their own personal success.

Ms. Parul also conducted some therapies regarding improving the confidence, removing stage fear and building team work quality. Students had participated in all the activities conducted by Ms. Parul. Overall the workshop was full of activities and therapies



Special session on “Experiential Learning” in Alumni Talk Series for IT students

On 16th February 2019 Department of IT organised Special Session on “Experiential Learning for MCA Students . For this session, I.T.S MCA Alumni, Mr. Ram Janam Singh, (MCA Batch 2000-2003), Microsoft USA was invited to conduct this session and address the MCA Students.

In this session, Mr. Singh interacted with existing students and discussed about latest trends and technologies in IT Industry. He has also shared his experience on the technology he is working on including



Machine Learning and AI Based systems. He has also guided them to focus on individual enhancement of technical and communication skills. He has also suggested How to prepare for a career of choice and succeed. Mentioning about the latest trends he said that in spite of all developments the core remain almost same and hence fundamentals needs to be worked upon and should be made strong. It was truly

mesmerizing to listen him and his thought process. It was good experience for participating students.

“Building Blocks for Running Enterprise Applications” by Mr. Kamal Dodeja

An invited talk by Eminent Guest Speaker Mr. Kamal Dodeja, Global Pre-Sales Senior Consulting Manager, Oracle was organized on 16th February 2019, at I.T.S, Mohan Nagar, Ghaziabad.



In this session, Mr. Kamal Dodeja delivered talk on “Building Blocks of Running enterprise Applications”. It was wonderful to be the part of this Session. He discussed about Scalability of Applications, significance of Clouds and how it is paying back to the organizations. he also talked about the Availability, Security and deployments process of applications in a cloud environment. Mr. Dodeja enlightened on Virtualization and its working in detail.

Mr. Dodeja also interacted with the faculties and answered the queries related with recent technical challenges & applications raised during the session.

Webinar on “Multiphysics Simulation for Pumps” for MCA students

With an objective to create best learning opportunities to MCA Students, Department of IT, I.T.S Mohan Nagar Ghaziabad organised session on “Multiphysics Simulation for Pumps” through Video Conferencing on 22nd February, 2019 at Institute premises. In this session, Expert Mr Sachin Luthra, CFD discussed about demonstration the capabilities of ANSYS Mechanical and CFD analysis applications for various loading conditions for modelling / meshing and analysing the pumps design and performance. It was nice E learning session for all participated Students.

Special Session on Evolutionary Algorithms during 5th to 6th March, 2019

Department of IT organised Special Session on “Evolutionary Algorithms for IT Students during 5th – 6th March ,2019. For this session, I.T.S MCA Alumni, Mr. Neeraj Gupta, (MCA Batch 2005-2008), Project Lead, Indus Valley was invited to conduct this session and address the MCA Students.



In this session, Mr. Gupta interacted with existing students and discussed about journey of 'Indian Railway Catering and Tourism Corporation' (IRCTC) through Case Study. He has discussed about railway reservation system of Indian Railway. He has also shared his experience on the Algorithm Development in existing real-life applications for better understanding of

concepts. He has also guided them to focus on individual enhancement of technical and communication skills.

He has also suggested How to prepare for a career of choice and succeed. He has motivated students to develop small projects for practical understanding of technologies and analysis of any applications. He said that before implementation, initially students need to understand and gather information for developing an application. He has touched upon process analysis & related design of IRCTC. Mr Gupta has interacted students and answered the queries raised during the session.

DBMS Club organized a Workshop on "Advancement in Databases : Industry Expectations"

DBMS Club of Department of I.T., I.T.S, Mohan Nagar, Ghaziabad had organized one-day workshop on "Advancement in Databases : Expectations of Industry" for the students of MCA-IV Semester on 5th March, 2019. Mr. Ravish Saifi, JNtech Networks and his team had taken the session.

While addressing the students Chairperson-MCA, Prof. Puja Dhar said that Department of I.T always try to give various opportunities to the students to bridge the gap between industry and the academia. On the same line, DBMS Club of Department of I.T organized this session . The objective of this session was to make students aware about the job prospects in Database.



The workshop was helpful to students in which they learnt about different types of Joins and their implementation in database. While addressing the students Mr. Saifi advised them to work on the basic concepts of the subjects they study during their course.

Mr. Ashish also took the session on AWS where he discussed about the importance of AWS and its implementation. He also discussed about the basic concepts of networking.

This was an informative and an interactive session in which students cleared their doubts regarding the databases and network. Other members of DBMS Club including Dr. Vidushi Singh and Prof. Saurabh Saxena and Mr. Kumar Balmukund from CRC was also present in this session.

Webinar for MCA students on “Node.js Development and Tools”

With an objective to create best learning opportunities to MCA Students, Department of IT, I.T.S Mohan Nagar Ghaziabad has organized session on “Node.js Development and Tools” through Video Conferencing on 11th March, 2019 at Institute premises.



In this session, Expert Mr. Surendra Yadav, Senior Software Engineer, Cimpres Pvt. Ltd. discussed about Node.js and related tools in development phase. and he has talked about the problems faced while developing in Node.js. He also talked about some of the tools and how they can enhance your development, testing and deployment experience. Node.js: Introduction, Examples(Get Started), Frameworks, Development Tools, Testing Tools, Code documentation and linting, Deployment Runners, Pitfalls.

Special Session on “Node.js Development and tools” for MCA Students

On 11th March, 2019 Department of IT organized special technical session on “Node.js Development and tools” for MCA Students. In this Session, Director-IT, Dr. Sunil Kr Pandey, Faculty PG IT Prof. K.P. Singh and Prof. Abhay Kr Ray shared their knowledge and experience to fulfil an objective to provide the detailed insight of "node.js and related development" among the students.

In this session, Prof. K. P. Singh discussed about Introduction to Node.js, its frameworks, benefits and characteristics. He focused on concepts like Thread Vs Event Driven, Blocking Vs. Non-Blocking and importance of Code documentation and



linking in real life examples. He gave various success stories of node.js on the session theme for better understanding of concepts.

Prof. Abhay Kr Ray focused on Installation of Node.js and its practical demonstration of basic programs using Node.js. He advised students to learn HTML and DOS Commands on tips. Prof. Ray talked problems faced while developing Node.js. Further he has demonstrated Data handling in HTML forms using Node.js. Technical Session was concluded by Director IT Dr Sunil Kumar Pandey. He discussed his thoughts about database development and selection related queries. He advised students to focus on technical fundamentals for good placements. He has also told about importance of selection and projection in Database integration. Speakers addressed the questions of students raised during the session. Students were highly influenced and happy with this session. It was overall good experience.

Special Session on "IT Transformation with Containers and DevOps"

Video Conferencing Session for MCA Students on "IT Transformation with Containers and DevOps" on 13th March, 2019 at Institute premises. In this session, Speaker of Session Mr. Sukrit Thereja, Special Solution Architect has discussed enterprise challenges and the impact of DevOps on the business, plus why leadership should be a key aspect of their strategy. It was nice E learning session for all participated Students.



Video Conferencing on "Cyber Security -Scope and Requirement"



Department of IT, I.T.S Mohan Nagar Ghaziabad organised session on "Cyber Security- Scope and Requirement" through Video Conferencing on 16th March,2019. In this session, Speaker of Session Mr. David Oxenhandler, Vice President, EC Council University has discussed Cyber security challenges, impact of Cyber Crime and he has discussed various

range of specialized career options related to Cyber Security

Webinar Session on “Madrid Release AI to Mobile” for MCA Students

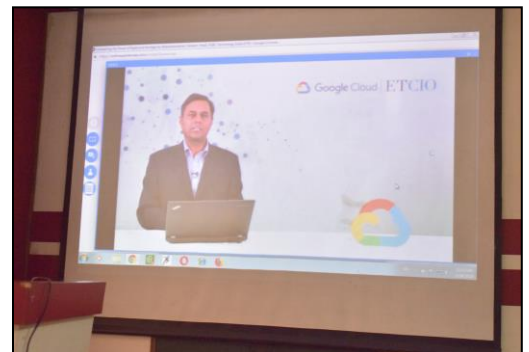
Department of IT, I.T.S Mohan Nagar Ghaziabad organised session on “Madrid Release AI to Mobile” through Video Conferencing on 19th March, 2019. In this session, Speaker of Session Mr. Dave Wright, CIO, Service Now and Mr. Brad Mattick Vice President, ServiceNow discussed Dramatic improvements in mobile, “Intelligent” agent support and Significant improvements in Service Delivery and Management.



After the session, Director (IT) Dr. Sunil Kr. Pandey concluded the session and shared his eminence knowledge & thoughts on importance of online seminars and told how it is beneficial for an individual student for their bright future. He gave various examples for better understanding of each students. Dr. Pandey advised students to participate in webinars for getting wide & updated exposure of technical subjects and courses of their interest. He has also told that participation in such webinar provide platform to groom their listening skills with updated information shared by Domain Expert either from Academia or Industry reputed.

Video conference on “Modernizing IT in a Cloud-First World”

Video Conferencing by India's Largest Digital Conclave of Economic Times CIO (ETCIO), in association with Google Cloud was organized on 26th March, 2019. In this event eminent speakers B Ganesh, Global CIO, HSBC; Arnab Basu, Technology Consulting Leader, PwC; Piyush Chowhan, CIO, Arvind Lifestyle Brands; A Sathyanarayanan, GM-IT, Ashok Leyland; Mr. Janakiram MSV, Principal, Janakiram have shared their experience and thoughts for helping enterprises to understand business needs and future vision for digital business.



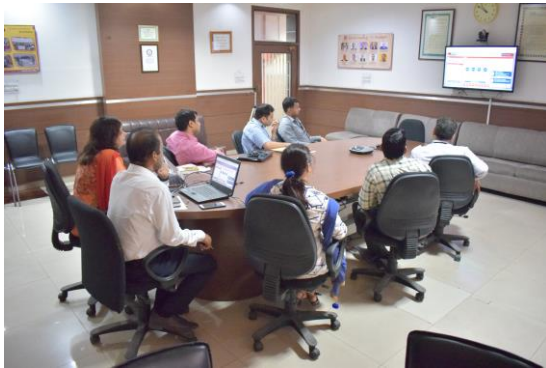
SAMVAD... a Group Discussion Competition for MCA Students



In today's competitive environment, there is need to provide a platform to the students which is easily accessible and can help them to improve their Interpersonal and social skills as IT Companies are looking for young minds who have excel in Technical Skills as well as business communication skill essentially English in addition to the

sound aptitude and attitude with suitable leading IT degree. By keeping this view, Department of IT planned 9th series of SAMVAD-IX (Group Discussion Series) January – April 2019. The First Round was conducted on 26th March, 2019 where students of MCA had participated with full enthusiasm. The Activity is coordinated by Dr. Umang Singh and moderated by Faculty Members of IT Department. Director-IT, Dr. Sunil Kr. Pandey appreciated the students for showing their interest in the activity. He said that these types of activities will definitely help our students in their Placement Process.

Video Conferencing session on "Academic & Research Opportunities"



With an objective to create best of opportunities of learning to faculty and students through various means including Class Room Teaching well supplemented with regular interaction with renown Academicians, Researchers, Domain Expert and Industry Leaders Department of IT, I.T.S Mohan Nagar Ghaziabad has organized Video Conferencing Session on "Academic & Research Opportunities" through Video

Conferencing on 28th March, 2019. In this session, Prof. Yela Marthi Kumar , Central Michigan University USA has shared his knowledge and experience to strengthen Academic & Research Opportunities for faculty and students.

PARAMARSH –2019 a career counselling session for BCA students

PARAMARSH-2019 a career counselling session was organized on 30th March, 2019. The objective of this session was an interaction amongst students of BCA final year of ITS-UG Campus and the MCA alumni from industry. Mr. Shailendra Kumar, Project Manager, Zee Media, (MCA 2001), Mr. Shivam Sharma, Prologic Pvt. Ltd., (MCA 2003), Mr. Neeraj Gupta, Indusvalley Technologies, (MCA 2006), Mr. Abhishek Agrawal, HCL Technologies, (MCA 2015) and Mr. Ayan Bhattacharya, Jobeneur (MCA 2017) was the expert panellists in this session.



The session started with the introduction & briefing about the objective of the session by Director-IT, Dr. Sunil Kr. Pandey he also said that Department of I.T. is always ready to counsel ITS-UG students and he also added that we are fortunate to have direct connect with our MCA Alumni who are always ready to

guide their almatmater. Director-UG, Dr. Vidhya Sekhri while addressing the students said that she is really thankful to the Department of I.T. for organizing such career counselling sessions for her students of UG campus . Prof. Nancy Sharma, Vice Principal, UG Campus also encouraged students to clear their doubts regarding the choice of their career. After that MCA-Chairperson, Prof. Puja Dhar started the session by asking the panelists to share their experiences with the students.

MCA Coordinator, Prof. Smita Kansal, Alumni Coordinator(MCA), Dr. Umang Singh , BCA Chairperson, Prof. Richa Singh, BCA- Final year Coordinator, Prof. Sumit Sharma, Dr. Vidushi Singh were also present in the session. At the end of this session feedback for the students were also taken. Overall the session was very interactive and students were happy to get answered about their doubts regarding choosing their career options.

Faculty Participation in External Events

Date	Faculty	Events
19 th January, 2019	Dr. Vidushi Singh	Attended SPOC felicitation workshop at IIT Kanpur outreach, Centre Noida
11 th February, 2019	Prof. Puja Dhar, Prof. Smita Kansal, Prof. Saurabh Saxena, Prof. Varun Arora , Prof. K.P.Singh, Dr. Vidushi Singh and Ms. Babita along with students of MCA-2 nd year	Industry Visit to Mother Dairy, New Delhi
14 th March, 2019	Dr. Umang Singh	Chaired a technical session on “High Speed Networking and Information Security” in 13 th INDIACom-2019, 6 th International Conference on “Computing for Sustainable Global Development” at BVICAMP, Delhi
27 th March, 2019	Dr. Sunil Kr. Pandey	On behalf of I.T.S Mohan Nagar Dr. Sunil Kr Pandey received award "Education Technology Innovation Awards" under category the "Enterprise IT Security" in Education Technology Summit" at Crown Plaza, New Delhi
29 th March, 2019	Dr. Sunil Kr. Pandey	Invited as a speaker in Microsoft-Hindustan Times “Education International Conference” organized at Hotel Claridges, New Delhi

Student Participation in External Events

Date	Student Name	Event
14 th - 15 th March, 2019	MCA 2 nd year students	Participated in I.T.S National convention 2019 organized by Department of Management I.T.S, Mohan Nagar, Ghaziabad
16 th March, 2019	MCA students including Shivani ,Nitin Prakash & Abhishek	Won 2 nd Position in “Pictionary” in National Convention 2019 (NSC) at Bharati Vidyapeeth’s Institute of Computer Applications, New Delhi
16 th March, 2019	MCA 2 nd year Students including Mayank & Karan Pandey	Won 1 st Position in “Antakshri” in National Convention 2019 (NSC) at Bharati Vidyapeeth’s Institute of Computer Applications, New Delhi
16 th March, 2019	MCA 2 nd year students including Deepti & Rahul Kr.	Won 3 rd Position in “Web Designing” ” in National Convention 2019 (NSC) at Bharati Vidyapeeth’s Institute of Computer Applications, New Delhi
16 th March, 2019	MCA 2 nd year Students including Abhishek & Puja Singh	Won 2 nd Position in “Antakshri” in National Convention 2019 (NSC) at Bharati Vidyapeeth’s Institute of Computer Applications, New Delhi
16 th March, 2019	MCA 2 nd year Student Sanjeev Kumar	Won 5 th Position in Pubg in National Convention 2019 (NSC) at Bharati Vidyapeeth’s Institute of Computer Applications, New Delhi
16 th March, 2019	MCA 2 nd year Students including Rohit Saxena & Bablu	Participated in Web-Development , Antakshari, Snake and ladder in National Convention 2019 (NSC) at Bharati Vidyapeeth’s Institute of Computer Applications, New Delhi

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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