

Dr. AKHILESH DAS GUPTA
INSTITUTE OF TECHNOLOGY
& MANAGEMENT



PIXION

THE IT MAGAZINE

JAN-JULY 2019

PIXION

The IT magazine

**"IF YOU CAN'T EXPLAIN IT
SIMPLY, YOU DON'T UNDERSTAND
IT WELL ENOUGH."**

-ALBERT EINSTEIN



**A TRIBUTE TO
DR. AKHILESH DAS GUPTA**

प्रेरकः सूचकश्चैव वाचको
दर्शकस्तथा ।

**THERE IS NO GREATER TRIBUTE
TO A GURU THAN TO MAINTAIN THE
HIGH STANDARDS HE LIVED BY;
DR. AKHILESH DAS GUPTA'S
LEGACY IS ONE SUCH THAT WILL
LIVE ON THROUGH HIS EMINENT
STUDENTS AND THROUGH THE
BEAUTY OF HIS CHARITABLE WORK;
THERE WAS AN INTENSITY THAT
HE BROUGHT TO EVERY MOVEMENT
AND THOUGHT HE EXPRESSED;
AN INSPIRING SOUL, A VERSATILE
GENIUS, A NOBLE TEACHER WHOSE
IDEAS WILL LIVE FOREVER WITH HIS CHARM.**

शिक्षको बोधकश्चैव षडेते गुरवः
स्मृताः ॥



**OUR
PATRONS**



**Late Babu Banarasi Das Ji
(1912-1985)**



**Late Dr. Akhilesh
Das Gupta
(1961-2017)**



**Mrs. Alka Das
Gupta**



Mrs. Alka Das Gupta

Co-founder & Chairperson
BBD Group of Education

Innovation requires passionate explorers who propel transformation at work place. With ever changing global scenario, the key to success is responding to the complex and rapidly changing issues in the world of information technology. The Department of Information Technology of ADGITM is always in making efforts to justify these points.

We impart education that is based on consciousness and we rear a breed of young minds that are bustling with self-confidence, motivation and ever ready to take up challenges. The campus, sports and academic facilities all bear testimony to this effort. In order to promote an internationally acceptable education, our key focus has been on overall development.

The proficiency in computing technology has become essential for modern day managers, business leaders, entrepreneurs and other professionals. It is a welcome development. I look forward to PIXION 2019 setting a higher pedestal!

I wish to PIXION editorial team a grand success!



Shri Viraj Sagar Das

President

BBD Group of Education

I feel so delighted to find that the path of creativity and innovation is consistently followed by the Department of Information Technology. It always encourages its students to actively participate and compete in various competitions and events to show their abilities towards the new platforms of technology.

A great part of the magazine is the fact that it brings us a bouquet of topics which are of utmost relevance and interest to all. It is a great pleasure for me to get to know of all the activities and achievements of the Department of Information Technology of Dr. Akhilesh Das Gupta Institute of Technology & Management in the form of such an interactive read.

I convey my best wishes for the success of PIXION 2019.



Mr. S.N. Garg

Chief Executive Officer

Dr. Akhilesh Das Gupta Institute of
Technology & Management

Through the guidance of trained and inspired leaders, the students are taken across the gap of their present knowledge and experience and place data level of knowledge and competence that enables them to immediately step into the high standard of efficiency required in today's world of development.

We aim to cultivate talents by closely nurturing them throughout the whole programme. We are unique in terms of our programs, academic structure and core values. Our students are our assets. We develop our students to open them up in front of global scholarly endeavour. While the whole world is running after chances, it is essential to create your own opportunity.



Prof. (Dr.) Sanjay Kumar

Director

Dr. Akhilesh Das Gupta Institute of
Technology & Management

In his book *On Becoming a Leader*, Warren Bennis wrote, "No leader sets out to be a leader. People set out to live their lives, expressing themselves fully. When that expression is of value, they become leaders. So the point is not to become a leader. The point is to become yourself, to use yourself completely - all your skills, gifts and energies - in order to make your vision manifest. You must withhold nothing. You must, in sum, become the person you started out to be and to enjoy the process of becoming." We at Dr. Akhilesh Das Gupta Institute of Technology & Management believe in helping students to manifest their vision completely. How do we do this? We offer a rigorous education program rooted in all forms of practice, coupled with a vast array of electives and opportunities that come from our position of being affiliated to a major university. We give you the tools to continue learning and growing long after you leave our doors; we create opportunities for internships and experiences that broaden your horizons. I take this opportunity to express the fact that every effort is made to improve the existing best services to bring out the best for the welfare of our institution and the growth of our students.



Dr. Prashant Singh

HOD

Department of Information Technology

Dr. Akhilesh Das Gupta Institute of
Technology & Management

Welcome to have a view of the achievements and activities of the Department of Information Technology with the help of this semester publication of PIXION.

We are proud of our strong academic programs, which are based on theoretical and practical knowledge and match well with the requirements and demands of the industry. We have been working in the field of HCI (Human Computer Interaction) which is an emerging technology. HCI researchers observe the ways humans interact with computers, and they design technologies that let humans interact with computers in novel ways. We are committed to students by offering short term courses and pre placement training classes that foster critical and analytical thinking and build the necessary skills to succeed in the industry.

I am sure in times to come, many students from our department will make indelible mark nationally and internationally in the field of Information Technology and make us proud. The hard-working students, a young and dynamic faculty, whose expertise spans the range of disciplines in computer science stream and a very healthy work-culture, are the basic elements that comprise the Department of Information Technology.

The ADGITM Management



Ms. Pankhuri Aggarwal
Asst. Director(HR)

Dr. Yamini S.
Principal

Mr. S. N. C
CEO



Garg

**Prof. (Dr.) Sanjay
Kumar
Director**

**Mr. Dilip Singh
Sr. DY. Director
(Construction)**

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**PIXION
THE IT MAGAZINE**

**“Logic will get you from A to Z;
imagination will get you everywhere.”**

— Albert Einstein

ABOUT DEPARTMENT

**"The measure of intelligence is
the ability to change."**

— Albert Einstein

DEPARTMENT AT A GLANCE

Department of Information Technology is committed to the values of:

- Teamwork;
- Reliability;
- Professionalism & Integrity;
- Efficiency & Effectiveness;
- Innovation;
- Excellence;
- Accountability;
- Continuous Improvement & Collaboration.

Department of Information Technology, ADGITM ensures that faculty, students, and staff members have the information technology tools and infrastructure necessary to carry out the University's mission.

IT Department designs network infrastructure, installs and maintains hardware equipment and supports software environment to ensure that computers, network and internet services efficiently contribute to the learning, teaching, research, administration, and support activities for all members of the College.

The department has made rapid strides in promoting excellence in engineering education by relentless pursuit of quality in teaching and training, keeping in mind the utility of students for future assignments in industries.

The department has been achieving consistently good results. Most of the alumni have been placed in highly reputed companies in India and abroad. Significantly, a large number of students have gone for higher studies in India and abroad.

VISION & MISSION

Dr. Akhilesh Das Gupta Institute of Technology & Management

VISION

To produce globally competent and socially responsible technocrats and entrepreneurs who can develop innovative solutions to meet the challenges of 21st century.

MISSION

- To provide value-based education through multi grade teaching methodologies and modern education facilities.
- To sustain an active partnership program with industry and other academic institutes with an aim to promote knowledge and resource sharing.
- To conduct value-added training programme to enhance employability.

Department of Information Technology

VISION

"To produce successful IT graduates with a strong technical background and managerial skills for promoting growth in industry and society. "

MISSION

- M1: To provide managerial and professional skills among the students through value added programs.
- M2: To provide an atmosphere where faculty and students can be engaged in continuous learning and contribute in the overall growth of the society.
- M3: To provide industry oriented technical environment to help students excel in diversified fields.

FACULTY SECTION



“Dream is not that which you see while sleeping it is something that does not let you sleep.”

—APJ ABDUL KALAM

OUR MENTORS

Our faculties are renowned scholars and accomplished practitioners who are actively engaged in the academic excellence and innovative research ideas of the world.

The service of the teachers in creating personally mature, professionally equipped, independent and service oriented graduates is really worth mentioning. We strongly believe in academic excellence and do not compromise on teaching standards or discipline. These three things are the main pillars.

It has been the constant endeavor to comfort the students with all the necessary knowledge and skills. Whatever career a student may choose to take, hard work and discipline are the sure roads towards success. And the faculty of IT Department always supports students in achieving those golden ambitions and also ensure that their stay in the college is meaningful and fruitful as well.

Faculty Workshops & FDPs

FDP ON "APPLICATION DEVELOPMENT USING ANGULAR JAVA" ORGANIZED BY NITTTR, CHANDIGARH FROM 25 FEBRUARY -1 MARCH, 2019

DR. PRASHANT SINGH, MR. DHYANENDRA JAIN, MS. CHARUL DEWAN, MR. JOGINDER KUMAR, MS. LALITA LUTHRA, MS.ASHU JAIN, MS. GUNJAN CHUGH, MS. AASHITA CHHABRA, MS. SHIMPY GOYAL

FDP ON "INNOVATIONS IN TEACHING PEDAGOGY IN BUSINESS EDUCATION" ORGANIZED BY ADGITM, DELHI FROM 24-30 APRIL, 2019

MS. CHARUL DEWAN, MS. AASHITA CHHABRA

WORKSHOP ON MACHINE LEARNING ORGANIZED BY AICTE HQ, NEW DELHI FROM 7-8 FEBRUARY, 2019

MS. GUNJAN CHUGH

WORKSHOP ON "COMPUTING WITH WORDS VIA FUZZY LOGIC WITH APPLICATIONS" ORGANIZED BY GD GOENKA UNIVERSITY FROM 6-10 MAY, 2019

MS. AASHITA CHHABRA

Faculty Publications

PUBLISHED PAPER ON "ENSEMBLE APPROACHES FOR CLASS MBALANCE PROBLEM: A REVIEW", INTERNATIONAL JOURNAL OF RESEARCH IN SIGNAL PROCESSING, COMPUTING & COMMUNICATION SYSTEM DESIGN, VOL. 5, ISSUE 1, 2019

MS. ARUSHI GUPTA

PUBLISHED PAPER ON "WEB SECURITY COMPLIANCE FOR SMALL SCALE ORGANIZATIONS", PROCEEDINGS OF NATIONAL CONFERENCE ON "CONTEMPORARY ISSUES IN BUSINESS EXCELLENCE IN THE ERA OF DIGITALIZATION, 2019

MR. DEVENDER BANGA

PUBLISHED PAPER ON "REDUCE REDUNDANCY IN SERVER STORAGE USING DEDUPLICATION AND COMPRESSION TECHNIQUE", JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH, VOLUME 6, ISSUE 4, APRIL 2019

MR. GAURAV SHARMA

PUBLISHED PAPER ON "A SURVEY ON ALGORITHMS TO IMPROVE GRADING OF HYPERTEXT WEB PAGES", JINTERNATIONAL JOURNAL OF ENGINEERING AND TECHNIQUES – VOLUME 5 ISSUE 3, MAY– JUNE 2019

MR. GAURAV SHARMA

Faculty Publications

PUBLISHED PAPER ON "A SURVEY ON APPLICATION OF AUTOMOBILE SAFETY MEASURES", INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY, VOLUME 6, ISSUE 4, APRIL 2019

MS. GUNJAN CHUGH

PUBLISHED PAPER ON "OVERVIEW OF AUGMENTED REALITY IN EDUCATION", INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY, VOLUME 6, ISSUE 4, APRIL 2019

MS. GUNJAN CHUGH

PUBLISHED PAPER ON "CODE CLONING USING ABSTRACT SYNTAX TREE", INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY, VOLUME 6, ISSUE 4, APRIL 2019

MS. GUNJAN CHUGH

PUBLISHED PAPER ON "VOICE RECOGNITION TECHNIQUE: A REVIEW", INTERNATIONAL JOURNAL FOR SCIENTIFIC RESEARCH AND DEVELOPMENT, VOLUME 7, ISSUE 3, 2019

MS. GUNJAN CHUGH

STUDENT'S SECTION



ALUMNI SPEAK



SUSHANT DHINGRA

SENIOR CONSULTANT
CAPGEMINI NETHERLANDS

We all know going to college is about more than just going to class, and I've successfully navigated the transition from a student in NIEC to professional by learning a thing or two along, even if some were learnt in a hard way. I'll always cherish those golden days of my life, spent during my college time.

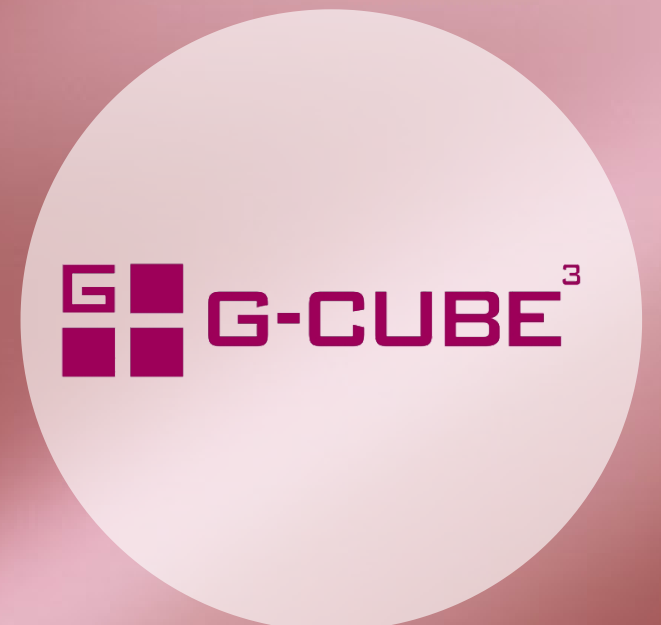
SHIVAM AGGARWAL

SOFTWARE ENGINEER
JETSYNTHESIS



Life at NIEC has shaped my career and provided me with the skills to present myself confidently to the business world. College always provided a conducive environment where I could Excel myself. Faculties helped and gave their valuable insights. Curriculum included theoretical and practical knowledge. Overall, I had a great time doing my engineering.

OUR RECRUITERS



STUDENT ARTICLE

LITERATURE OPENS OUR EYES AND MAKES US SEE MORE THAN JUST WHAT THE FRONT DOOR SHOWS. IT HELPS US REALIZE THE WIDE WORLD OUTSIDE, SURROUNDING US. WITH THIS, WE BEGIN TO LEARN, ASK QUESTIONS, AND BUILD OUR INTUITIONS AND INSTINCTS. WE EXPAND OUR MINDS.

CLOUD COMPUTING

Cloud computing is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet (“the cloud”) to offer faster innovation, flexible resources, and economies of scale. You only PAY for cloud services you use, helping lower your operating costs, run your infrastructure more efficiently and scale as your business needs change. Hence, Cloud computing is the on-demand availability of computer system resources, especially data storage and computing power, without direct active management by the user.

It's benefits include:-

Cost

Cloud computing eliminates the capital expense of buying hardware and software and setting up

and running on-site datacenters—the racks of servers, the round-the-clock electricity for power and cooling, the IT experts for managing the infrastructure. It adds up fast.

Speed

Most cloud computing services are provided self service and on demand, so even vast amounts of computing resources can be provisioned in minutes, typically with just a few mouse clicks, giving businesses a lot of flexibility and taking the pressure off capacity planning.

Global scale

The benefits of cloud computing services include the ability to scale elastically. In cloud speak, that means delivering the right amount of IT resources—for example, more or less computing power, storage, bandwidth—right when it is needed and from the right geographic location.

Productivity

On-site datacenters typically require a lot of “racking and stacking”—hardware setup, software patching, and other time-consuming IT management chores. Cloud computing removes the need for many of these tasks, so IT teams can spend time on achieving more important business goals.

Performance

The biggest cloud computing services run on a worldwide network of secure datacenters, which are regularly upgraded to the latest generation of fast and efficient computing hardware. This offers several benefits over a single corporate datacenter, including reduced network latency for

applications and greater economies of scale.

Reliability

Cloud computing makes data backup, disaster recovery and business continuity easier and less expensive because data can be mirrored at multiple redundant sites on the cloud provider's network.

NISHTHA KAPOOR

FACULTY ARTICLES

HYBRID CLOUD

Hybrid Cloud is a versatile computing model that supports variable workloads and allows modifications of services that run on other Cloud environments. Enterprises feel that they lack control of their data when their applications are hosted on a Public Cloud platform and pay huge amounts of money for maintenance in case they have an On-Premise infrastructure. Hybrid Cloud combines the strengths of both worlds and provides an intelligently scalable, secure and highly administrative framework to excellently streamline and orchestrate business processes. Now enterprises can effortlessly prioritize their workloads between Public and Private Cloud platforms through greater flexibility in order to achieve operational excellency.

Hybrid Cloud has got it all to bolster rapidly evolving enterprises' digital transformation. Architected for elasticity, mix of Public and Private Cloud services on Hybrid Cloud intelligently supports dynamic workloads while proficiently eliminating the overall Total Cost of Operation (TCO). Cloud Burst is a remarkable technology that helps enterprises deal with peaks in IT demands. Applications hosted on a Private Cloud can burst into Public Cloud to meet business demands and avoid interruptions. Prioritizing business needs is elementary with Hybrid Cloud that is flexible, scalable and a cost effective platform.

- Compiled from various sources

**Mr. DHYANENDRA
A.P.(IT DEPARTMENT)**

MULTI-CLOUD ENVIRONMENTS CAN BE A CYBER SECURITY NIGHTMARE

Security professionals simply can't rely on one cloud vendor's security systems. Aside from storage and backup issues, downtime, and unfair pricing, being locked into one cloud vendor can result in other setbacks too. Multi-cloud strategies can overcome these challenges and keep databases running smoothly while improving company productivity, user experience, and the ability to impart critical services to customers.

Despite these advantages, looking after multi-cloud environments has introduced new obstacles for cybersecurity experts. Each cloud has a unique strategy, leading to an increased attack surface. This situation creates a corporate threat landscape that opens businesses up to new dangers and raises the risk of data loss, ultimately affecting the organization's revenue and productivity.

The Disadvantages

In multi-cloud systems, two or more cloud computing services from various vendors are used. Here, companies will employ public clouds, private clouds, or a combination of both to minimize the risk of downtime, data loss, and widely distributed computing resources.

Naturally, monitoring and auditing the security tools of every vendor is a mandate for a robust virtual infrastructure. But, it can be challenging to manage the security systems of multiple providers simultaneously. There are four key issues that arise within multi-cloud environments.

Access-Control Configurations

The same access-control configuration could not work on all cloud platforms due to each vendor's tools. As a result, cybersecurity professionals need to establish and maintain a distinct access-control structure for each cloud in the system.

Loopholes

There are increased chances of more security loopholes in a multi-cloud system, as some cloud systems might have unsecured resources or hidden security vulnerabilities. While taking care of this vulnerability in a single-cloud system is quite complicated, it becomes even more challenging to identify and address it with multiple clouds.

Shared-Responsibility Requirements

Most public cloud vendors adhere to a shared-responsibility model with a portion of the security and management duties expected to be handled by customers. But, since shared-responsibility models vary among cloud providers, customers must juggle additional responsibilities in multi-cloud environments.

Security Concerns

From a security and IT ops perspective, each cloud in a multi-cloud system is unique. With a more complex combination of public and private clouds, the need to closely monitor the environment also increases. This can cause a strain on resources, which only becomes more difficult as the organization scales up.

Ms. ASHU

A.P.(IT DEPARTMENT)

HYBRID CLOUD COMPUTING TO DOMINATE 2021

Cloud computing has become as crucial to the information environment as it has to consumer's lives. Its collaboration capacities (prominently manifested in telemedicine, internet banking, and e-commerce) typify the remote interactivity of a big data landscape shifting, inexorably perhaps, towards the edge.

Cloud computing, which supported the world's economy, worldwide supply chains and remote workforces during the coronavirus pandemic, will keep on being a fundamental objective for companies searching for increased scalability, business continuity and cost efficiency in 2021.

According to the study of Cisco, 94% of the worldwide workloads will be controlled by the leading cloud data centres of the world. Though, IDC as of late demonstrated that the 5-year CAGR for IaaS will rise by 33.7%

Numerous organizations as of now utilize the hybrid cloud computing system to upkeep their workflow and production. Numerous specialists believe that by 2021, various companies will take on hybrid cloud computing. The primary points of interest that you can hope to get from hybrid cloud computing are ideal speed, remarkable control, and improved security.

The forthcoming years will also witness the continuation of multi-cloud culture. Businesses will continue to deploy such a model to gain more flexibility. This strategy reduces their dependency on a single vendor or cloud solution provider. According to CloudTech, public cloud spending is expected to grow from \$229 billion in 2019 to \$500 billion by 2023, with an expected compound annual growth rate (CAGR) of 22.3 percent.

Ms. PREETY

A.P.(IT DEPARTMENT)

CLOUD COMPUTING

Introduction

Cloud computing is the delivery of hosting services that are provided to a client over the Internet. - Enable large-scale services without up-front investment. Definition of Cloud Computing "Cloud computing is a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction."

Supporting Technologies

- Enormous computer data- centers containing commodity hardware.
- Virtualization of computation, storage, and communication. - Turn hardware and networking into the software.
- Achieve economies of scale. - Reduce costs of electricity, bandwidth, hardware, software and use low-cost locations. - Lower-cost than provisioning own hardware.
- Large-scale distributed systems services, such as No SQL data stores, object stores, and distributed file systems, have enabled developers to build scalable cloud computing applications.

Cloud Computing Essentials

- Cloud computing is Utility Computing - Cloud services are controlled and monitored by the cloud provider through a pay-per-use business model.
- An ideal cloud computing platform is: - efficient in its use of resources - scalable - elastic - self-managing - highly available and accessible - inter-operable and portable.

Cloud Properties

- Resource efficiency: computing and network resources are pooled to provide services to multiple users. Resource allocation is dynamically adapted according to user demand.
- Elasticity: computing resources can be rapidly and elastically provisioned to scale up, and released to scale down based on consumer demand.
- Self-managing services: a consumer can provision cloud services, such as web applications, server time, processing, storage, and network as needed and automatically without requiring human interaction with each service's provider.
- Accessible and highly available: cloud resources are available over the network anytime and anywhere and are accessed through standard mechanisms that promote use by different types of platforms (e.g., mobile phones, laptops, and PDAs).

Cloud Deployment models

Public Clouds-

- Public clouds are owned by cloud service providers who charge for the use of cloud resources. It has homogeneous infrastructure like shared resources and multi-tenancy, leased, or rented infrastructure.

Private clouds-

- The cloud infrastructure belongs to and is operated by only one organization. It has a Heterogeneous infrastructure; Customized policies - Dedicated resources - In-house infrastructure; End-to-end control.

Community cloud-

- The cloud infrastructure is shared by several organizations and supports a specific community that has shared concerns (e.g., mission, security requirements, policy, and compliance considerations).

Hybrid cloud-

- The cloud infrastructure is a composition of two or more clouds (private, community, or public) that remain unique entities but are bound together by standardized or proprietary technology that enables data and application portability.

Services:

The most common services available through the cloud are-

- IaaS (Infra as a service)
- SaaS (Software as a service)
- PaaS (Platform as a service)
- CaaS (Communication as a service)
- MaaS (Monitoring as a service)

Obstacles to Cloud Computing

- Data Lock-in
- Data Confidentiality/Audit ability
- Data transfer bottlenecks/costs
- Performance unpredictability for systems apps
- Legislative Compliance Concerns

Conclusions

- Cloud computing has enabled an explosion in large-scale computing services and applications.
- Clouds provide services at three main levels: IaaS, PaaS, SaaS.
- New programming models enable the easier development of large-scale applications.
- Hadoop is the open-source enabling technology for Big Data - Hadoop is rapidly becoming the operating system for the Data Center.

**Mr. JOGENDER
A.P.(IT DEPARTMENT)**



EVENTS SECTION



INDUSTRIAL VISIT TO SPY MONK, GHAZIABAD



DATED- 14/02/2019

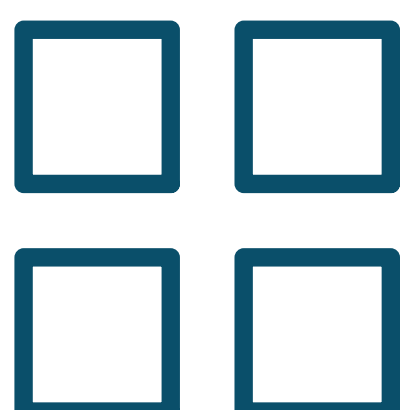
VENUE:
SPY MONK, GHAZIABAD

HIGHLIGHTS OF THE VISIT

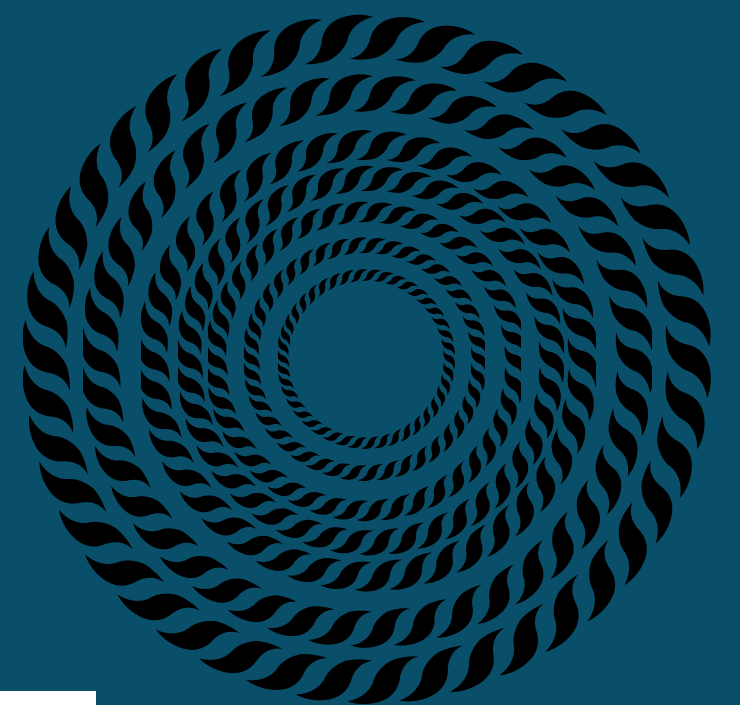
THE VISIT WAS DIVIDED INTO THREE SESSIONS EACH OF WHICH LASTED FOR 45 MINUTES

- THE FIRST SESSION WAS ALL ABOUT THE CURRENT MARKET SCENARIO, WHICH IS IMPORTANT IN IT INDUSTRY
- THE SECOND SESSION WAS ABOUT THE BRIEF ABOUT TECHNOLOGIES AND PROJECT IN DEMAND
- THE THIRD SESSION WAS ALL ABOUT THE WORK ETHICS IN THE IT FIELD.

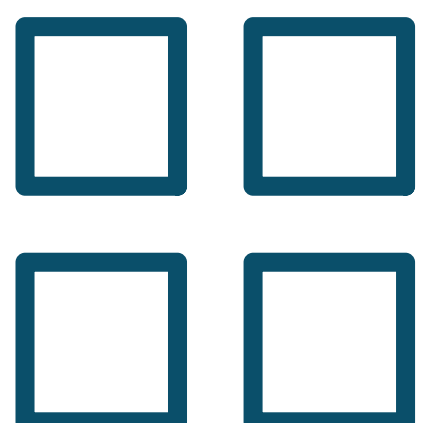
BENEFICIARIES:
B. TECH INFORMATION TECHNOLOGY, SECOND YEAR STUDENTS (S9, S10 AND S19)



FDP ON APPLICATION DEVELOPMENT USING ANGULAR JAVA



- It was organized by Department of Educational Television Centre, NITTTR, Chandigarh from 25th Feb - 1st March, 2019.
- The Coordinator from NITTTR was Ms. Mala Kalra.
- The topics covered under FDP were development frameworks for Web Applications, features in different Js frameworks, server side scripting, blockchains, JSON processing etc.
- It included practice sessions as well. It was attended by the faculty of IT department and other departments as well.



EDITORIAL'S BOARD



EDITOR-IN-CHIEF

DR. PREETY VERMA DHAKA

(Associate Professor, ADGITM)



Over the last four months, the department of Information Technology witnesses plenty of amazing news, events and activities. In this addition you will have the opportunity to know the departmental achievements, events and activities. With this magazine, my team and I have tried to curate the best possible content inline all the technological advancements and how we as an Institution are trying to incorporate all the components in day-to-day lives of not just the students but also the faculty and every person associated with us. With each page, we have tried to bring the most informative and helpful information to our readers.

To help the readers, we have also focused on one particular theme –Cloud Computing. Cloud computing has become as crucial to the information environment as it has to consumer's lives. Its collaboration capacities characterise the remote interactivity of a big data landscape shifting, inexorably perhaps, towards the edge. The theme was perfect in sense that it is one of the most recent trends in the field of Technology. Fundamentally, our society is more technologically reliant than ever before and there is no sign that this trend will slow. With every page, every article, every message, and every picture we have tried to explore the intricacies of cloud computing. Thus, I hope that this theme makes sense and gives our readers a sense of encouragement and satisfaction.

Each page is the result of hard work of the editorial team and I truly hope that you enjoy it as much as we enjoyed designing it for you!

Regards,

Dr. Preety Verma Dhaka,
Editor-in-Chief

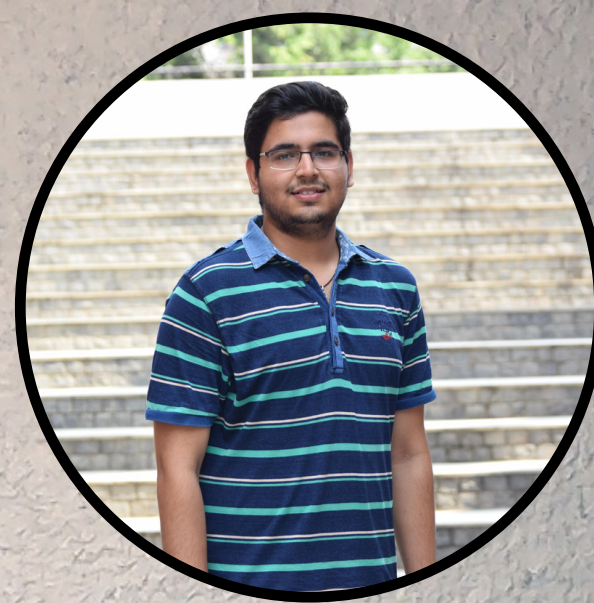
CONTENT COMMITTEE



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(Student)



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(Student)

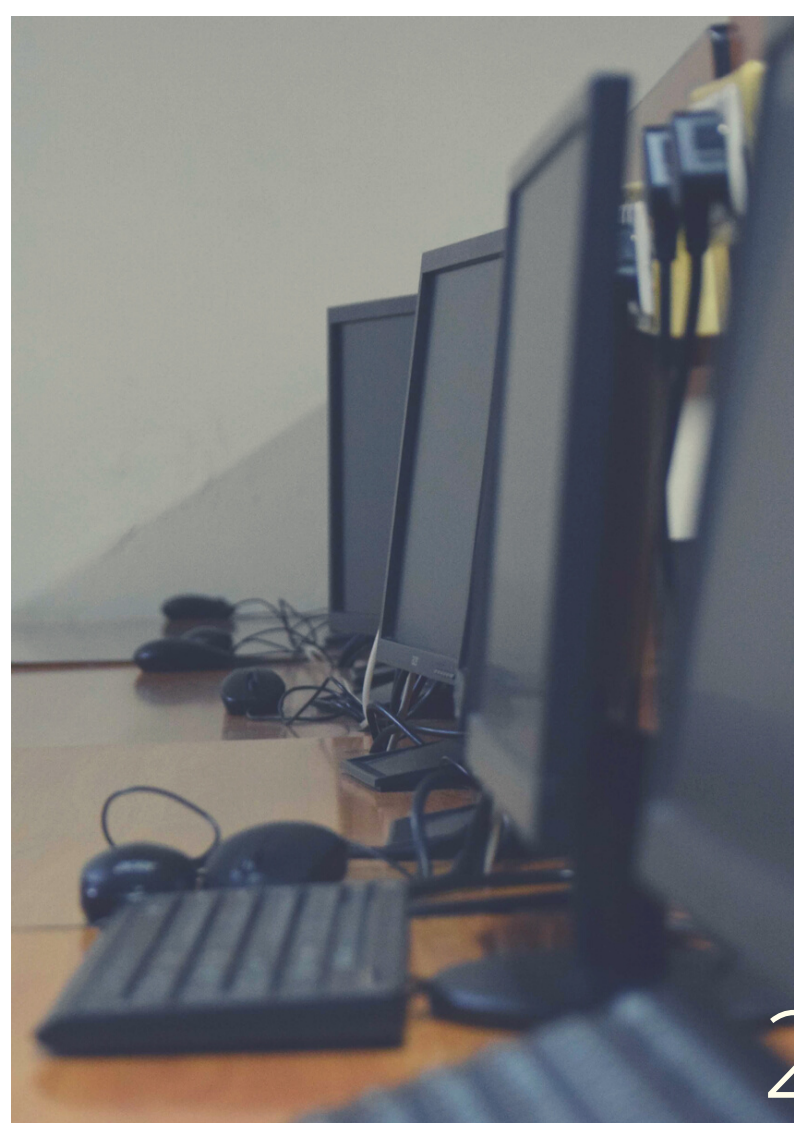
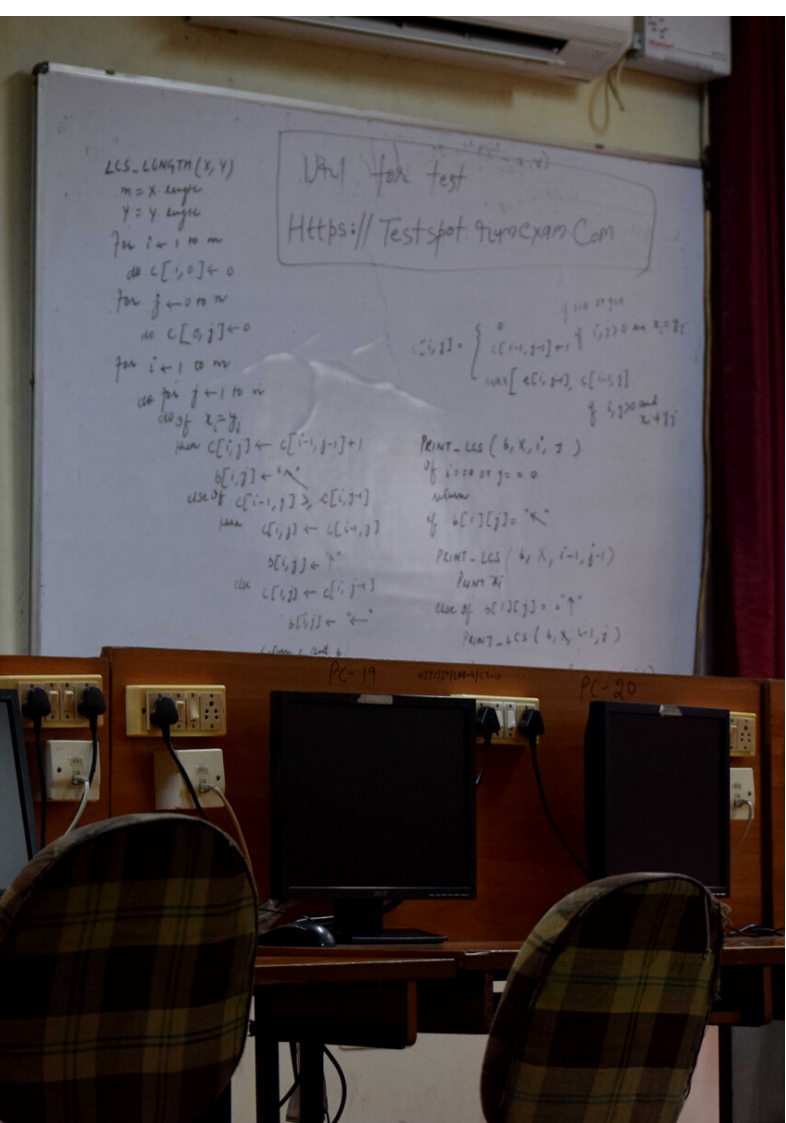
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PRANJAL MUNJAL
(Student)



PIYUSH JAIN
(Student)



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PIXION

IT MAGAZINE



Sometimes when you innovate, you make mistakes. It is best to admit them quickly, and get on with improving your other innovations.

-Steve Jobs

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Dr. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT, NEW DELHI (FORMERLY NORTHERN INDIA ENGINEERING COLLEGE)

FC-26, SHASTRI PARK, New Delhi - 110053

Ph: +91(11) 49905900-99, 32526261-64, 22854321