

**Department Of Information Technology
Bi-Annual Magazine**

**December 2017
Vol 1, Issue 1**

Message from Vice-Chairman, GLBITM

Many congratulations to the department of Information Technology for their ardent efforts in bringing out the departmental magazine. Needless to say that along with various other factors proper communication too, plays a vital role in the development of any organization. I am sure that this departmental magazine will mirror the efforts of the department and will improve communication amongst GLBians. I am confident that the magazine will give impetus to research culture among students with emphasis on entrepreneurship.



Message from Director, GLBI

At the outset, I convey my good wishes to department of Information Technology, for their efforts in publishing a magazine with the commitment to offering readers a mix of newsworthy and thought provoking articles covering technology and other aspects. I am sure this will reflect institution commitment to open discourse and would a snapshot of various activities and achievements made by the department. I am confident that the magazine will give impetus to the culture of creativeness among students with emphasis on innovative Learning. My appreciations to the dedicated staff and their team for their work.



Message from HOD-IT

It's a matter of a great honour that our department is publishing a magazine. The idea of updating the faculty and students with the current affairs of the department is creditable. It gives me immense pride to know that our students possess immense potential and I am hopeful that the achievements of our students will also inspire other students to excel in their lives, and for that they need to have vision in lives and determination to achieve it. An excellent job has been done by the Department Editorial Board in planning the magazine and publishing it. I extend my best wishes to the entire team for its future endeavour.



Message from Editor

I heartily welcome all the readers. It is a matter of immense pleasure and high honour to present before you the first volume, second issue of the magazine of Department of Information Technology. The Department pioneered this avenue in the family of GL Bajaj. With all these words I welcome all readers to this issue of magazine of Information Technology Insight IT.



VISION

To develop competent IT professionals catering to the needs of Industry and society in a global perspective.

MISSION

To attain academic & professional excellence with collective efforts of all stakeholders through:

M1: Dissemination of basic concepts and analytical skills.

M2: Exposure to new tools in the area of Information technology.

M3: Effective interaction with industry for better employability.

M4: Inculcating values and professional ethics with social responsibility.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: To provide students a strong foundation in mathematical and IT fundamentals with emphasis on different programming languages/ platforms.

PEO2: To prepare students with a strong foundation in IT tools and analytical skills.

PEO3: To analyse, design and develop efficient and cost effective IT solutions for society.

PEO4: To become a successful professional in software industry with leadership quality and value.

PEO5: To provide a supportive academic environment and guidance for life-long learning.

PROGRAM OUTCOMES (PO's)

Students of this Program are expected to demonstrate:

PO1- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the

Solution of complex engineering problems.

PO2- Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4- Conduct Investigations Of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 - Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6 - The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 -Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 - Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9- Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10- Communication: Communicate effectively

on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11-Project Management and Finance:

Demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader.

PO12 - Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES:

PSO 1: Design and develop an application/product that efficiently utilizes system software and hardware to cover current user requirement in social and economic form.

PSO 2: Apply and acquire knowledge of computer network in implementation of secure data communication and reliable network system.

PSO 3:Design and implement knowledge based discovery, machine based learning by using the concept of DBMS, soft computing, neural network, image processing and pattern recognition etc.

PSO 4: Design and develop mobile based applications which use the concepts of latest application system development technologies.

Our Academic Achievements

Toppers	Percentage
Sugandha Biswas(4 th Year)	85.58
Ritcha Kumari(3rd Year)	79.4
Pranav Kashyap(2nd Year)	85.1

VERTICALS OF DEPARTMENT

Verticals	Coordinator
Centre of Programming and Application Development	Dr. P.C.Vashisht
Centre of Computer Network	Dr. Arun Pratap Srivastava
Centre of KDBMS	Mr. Akhilesh Kumar Singh
Centre of Mobile Application and Development	Mr. Anmol Kumar

CONFERENCES/WORKSHOP/EVENTS

- Department of Information technology has successfully organized the one day workshop on “**How to create database using oracle**” on 22 July 2017(Saturday) for the students of IT.



- The Department of Information Technology has organized a workshop on **Internet of Things (IoT)** on 25th August 2017 for the students to understand and help to shape the rapidly changing landscape of the interconnected world of devices, services, and data collection.



- The Department of IT and MCA has jointly attended a three-day iOS Workshop on 7th September 2017, 8th September 2017 and 11th September 2017 for the various faculty members to have a hands-on session on iOS. The key person was an expert in iOS from a reputed corporate organisation.



- The Department of IT has organized a workshop on Hypertext Pre-processor (PHP) on 15th September 2017 for 3rd year students. This was conducted by Mr. Neeraj from Impractro Technologies Solutions.
- INNOVA, society of IT department organized a ProQuest; a competition on 28th September 2017. This competition includes various round like programming coding for all students.



- The Department of IT has organized a workshop Introduction to Competitive Coding on 6th October 2017. It was organized for 3rd Year students by delegates from Code Blocks Institute.



- A Faculty Development Program on Machine Learning and Deep Learning organized by Department of IT in association with EICT Academy, IIT Roorkee on 21st-22nd November 2017. This FDP was for various faculties and research Scholars.
- The Department of IT has organised Google Train-The Trainer Programme on Android Developer Fundamentals for Faculties sponsored by Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh in association with Google from 18th Dec 2017- 22nd Dec 2017 by the delegates of Google.



CRUNCHING THE NUMBERS
(PLACEMENTS)

The Department of IT also contributed largely towards the enhancement of employability skills of students. A large number of students has been placed in many reputed companies. Some of them are:

SR.NO	Student Name	Company
1.	Deenu Khan	Capgemini, KPIT
2.	Atul ranjan	Capgemini, KPIT
3.	Vartika Malik	Capgemini
4.	Nishant Raj	United Health Group
5.	Pooja Mishra	Infogain

INDUSTRIAL VISIT

Our students of 3rd year visited Barclays Noida on 16th & 17th August 2017. on the visit, they gave a brief introduction about the software development life cycle and also gave a lecture on company profile and various



tools used in company. They also explained the working process of Data Analytics Tool used in company for process the data of investment and banking sectors.

TECHNOLOGY

*Science is a wonderful thing, it is
Science is here, there, and surrounding all.
From the mines below to the rocket ships above
Technology surrounds us, one and all
we have mixed substances to make concrete And use
concrete to create our buildings.
Science is such a magnificent thing
and for a couple reasons you see.
Today, lasers that can destroy aircrafts
'Morrow even colonizing planets
But one thing is true and one thing is real,
Science is really our true compassion.
As we search for extra-terrestrials
as we look towards spatial expansion.*





Our Patrons

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Mr. Pankaj Agarwal
Vice Chairman

Patrons

Dr. Rajeev Agrawal
Director

Chairman, Publication

Dr.P.C. Vashisht
HOD-IT Dept

Editorial Board

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(Assistant Professor)

Managing Editor

Ms. Anika Gupta
(Assistant Professor)

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