



## 3-D PRINTING

3D printing manufacturing is a process of making three dimensional solid objects from a digital file. 3D printing has been a hyped technology for a number of years now, but it is said what's far more exciting than the concept of 3D-printing as a whole are the materials we can create 3D-printed objects with.

These range from biological materials, to carbon-fiber infused plastics and food. 3D printing's uses range from practical objects for everyday use to commercial products and parts used in manufacturing, plus the technology holds promise for bio-printing of human parts for medical purposes.

### Can your company keep up?

The true cost of innovation and its effect on your bottom line



AT&T Inc. this week announced separate partnerships with Amazon.com Inc. and International Business Machines Corp., seeking to strengthen its role as a gateway to the cloud for enterprises.

The deals come amid a flurry of partnerships, alliances and consolidation in the cloud-computing market, which is expected to extend into the New Year as cloud vendors scramble to keep up with rising demand. The telecom giant on Thursday said it had struck a multi-year "strategic relationship" with Amazon Web Services, Amazon.com's cloud service. AT&T said it will link business customers to AWS over its high-speed private networking service, known as NetBond, to better access cloud infrastructure tools.

### Techno-Corner

#### Integrating Social Media

##### NETWORKING

Networking is setting its foot almost everywhere today from a mobile device or a sensor to even cars drones and BED!! Go look for a self-warming bed. The Internet runs all.



##### ACCESSIBILITY

With foundations like Internet.org and B&MG foundations even the remote locations on the planet and beyond are over the same on air platform like villages deepest remote locations of India and Africa.

##### AWARENESS

With internet even the slightest bit becomes an aware topic for the general public. Whatever happens is an UPDATE!!

### Advance Innovation

#### The Flying Car!



Flying car will be one of the greatest invention of the modern technology. A two-seater flying car which drives on normal roads, using petrol, but can take wing from any open grassy area. Flying cars fly slightly lower than planes. It doesn't need any airport. Many users will find this a very efficient way to move. It contains various ground-breaking technologies which could spark a new age of personal aviation, such as variable-angle wings which allow it to take off on a much shorter runway than rival aircraft... It will be a great achievement of modern technology for the invention of driverless car. We all know that it is very difficult to identify the road signal and the toughest point of a road for the driverless car. However, Autonomous vehicles still struggle with mundane challenges to solve this problems. Drivers would need to be alerted in good time and would still need to have the driving skills necessary to handle the toughest situations.

##### TIT-BIT CORNER

Indian Government recently invested 1.25 Billion USD in AUTOMATED DRONES for surveillance and security!

Android Wear gives Google an edge on the market by standardizing the OS across most manufacturers, much like Android did with its smartphone OS 7 years ago.

Microsoft has created a new experimental chatbot, called Project Murphy that you can converse with via Facebook Messenger, Skype, or Telegram.

### Departmental Activities



INNOVOO - the Department Society of IT-Department organized Geek-Speak, an extempore on 30<sup>th</sup> July 2016.

It was a picture based extempore and the topics included technical as well as non-technical matter. Around 30 students of second year participated in the event.

First prize was won by Shivangi Prateek.



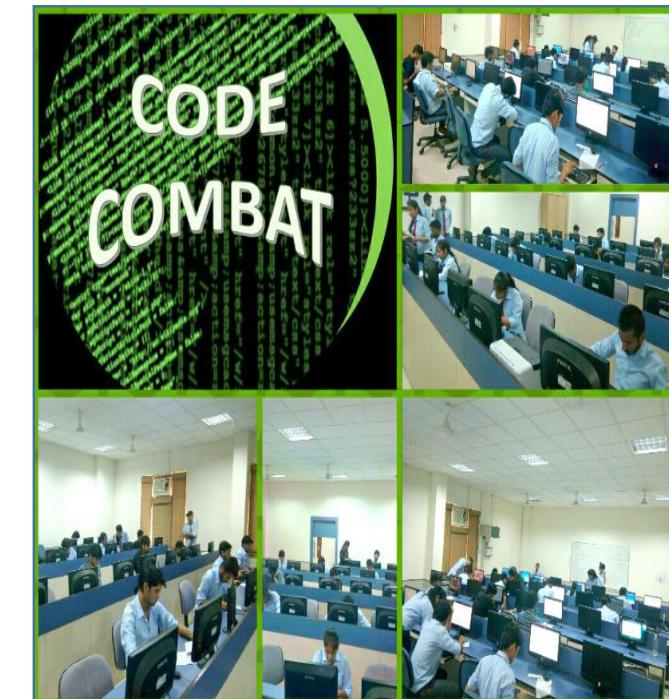
### QUICK-PICK QUIZ-MASTER CODE-COMBAT

INNOVOO organized a coding competition on 12<sup>th</sup> and 13<sup>th</sup> August 2016.

Around 100 students from second and third year participated in the event.

The competition was held in 3 rounds. The first round was MCQ based. 34 students (in teams of two) qualified for the second round i.e. technical quiz. The quiz was conducted in five sets of four teams each. The top two teams from each set qualified for the final round. 20 students from the second round were selected for the final round, which was the code combat. The students were given different individual problems and they had to write a code to solve them. Each participant had to write one program in 45 minutes. The languages allowed for the competition were C, C++ and Java.

First prize was won by Raj Mishra of 3<sup>rd</sup> Year.





## DEPARTMENT OF INFORMATION TECHNOLOGY

IT focuses on information systems and information management. Information Technology is particularly important in the "service" industries such as banking, insurance, and communications. The majority of new jobs in recent years have been in these service industries. The purpose of this B.Tech is to provide the skills of applying advanced design, development, implementation and / or maintenance strategies and techniques in the development of Information Technology solutions; and to effectively manage and administer Information Technology. A growing job market with lucrative openings for B.Tech (Information Technology) graduates is in the area of Internet programming, software development. Presently this department is nurturing the talents of approx. 300 students of different semesters and is dedicated to impart quality education to the students in the field of Information Technology and transforming them from students to technocrats and entrepreneurs.

### DEPARTMENT VISION AND MISSION

#### 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.**

### From the HOD's Desk

It gives me extreme delight to introduce this newsletter—the “TechnoDristee”, the quarterly newsletter of our department, the Department of Information Technology, GLBITM. Our department has been providing quality education on Information Technology nurturing the raw talents in the technological fields.

The greatest strength of our department is our highly qualified and dedicated faculty members and staff. Also our students are very innovative and keen to learn new concepts and technology. They like being technologically updated. Apart from teaching, our faculty members are deeply engaged in research work and work as mentor to various student projects. Our students have demonstrated their capabilities and brilliance by securing internships and placements in highly reputed international organizations. It may be worth mentioning that the students, in collaboration with the teachers have successfully organized two departmental activities in a quarter. Congratulations to the members of editorial board and the faculty and staff members, and specially the students who have helped in materializing the maiden issue of ‘TechnoDristee’. It is endeavor of the newsletter to acquaint its readers with the achievements of the Department of Information Technology, GLBITM, Greater Noida, UP.

Dr.L.K.Tyagi

**TECHNO-DRISHTEE**  
AN IT-CHRONICLE  
SUMMER EDITION JULY-SEP'16

### IN THIS ISSUE

#### Techno-Corner

An initiative to be up-to-date with the latest news and information related to new technological updates and devices. More on Page 2

#### IT-Bulletin Board

A place to showcase the latest innovations in IT for the students' knowledge and information. This bulletin is updated and maintained by the students themselves. More on Page 2

#### Departmental Activities

An account of all the activities and competitions organized at department level to enhance the technical and overall skills of the students. More on Page 3

#### LOGIX

Logic and reasoning based questions.

### From the Editor's Pen

With immense pleasure and delight, we bring forth “TechnoDristee”, the quarterly newsletter of Department of Information Technology, G.L.Bajaj Institute of Technology and Management. The name of this newsletter, **TechnoDristee** - signifies the Technological Vision, a necessary perspective to see the World today, which marks the basic aspect of the Departmental Mission. The title is a fusion of text and image, where the text tells the perspective-“TECHNO” for Technology and image of the eye scanning is used to define the “Dristee” to see.

This newsletter will act as the witness of the departmental activities, technological updates, and remarkable faculty achievements procured during the quarter. The intent of “TechnoDristee” is to disseminate information about our department and Institute, and we further hope that the readers find the issues informative and useful.

We are thankful to the students and faculty members of Department of IT, GLBITM for their valuable inputs, and we welcome suggestions and feedback that will help us improve further. We can be reached at [tdristee@glbitm.org](mailto:tdristee@glbitm.org).

### MIDNIGHT GAMING BANNED!

#### ONLINE GAMING.



Online gaming is a big deal throughout most of Asia, especially in China, which has the world's largest internet user population – over 750 million people. Addiction among its younger population has led the country to propose some extreme measures, including the banning of anyone under 18 from playing online games after midnight. The Cyberspace Administration of China's rules also suggest that schools work with the controversial internet rehabilitation centers that have flourished in the country. The South China Morning Post reports that these military-style boot camps are resorting to methods such as electric shocks and physical punishment as ways of stopping young people from playing online games.

### 3-D MANIPULATION

AN AUGMENTED REALITY PHOTO EDITOR

**I-TECH UPDATE**

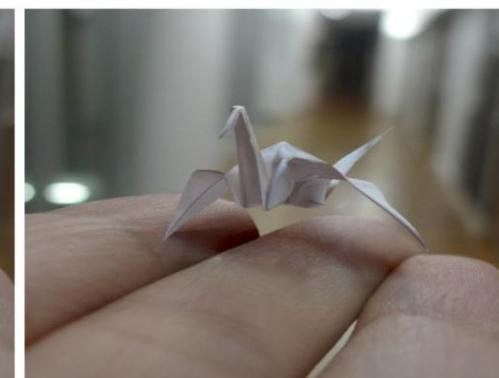


Consumer robotics is going to be all about the new home front where personal robots become our friends, companions and helpers through that most special of human gifts. 2015 has already been a big year for this field, and it is reported that a robot called Pepper was launched on the market in June in Japan and this was sold immediately. New models are also emerging, such as Buddy, a robot touted to interact and connect with family members. HOME DELIVERY DRONE

A delivery drone, also known as a parcelcopter, is an unmanned aerial vehicle utilized to transport packages, food or other goods. It is one of the most frustrating aspects of ordering shopping online – coming home to find a dreaded missed delivery card has been posted through your letterbox. But now Amazon hopes to put an end to the problem altogether with its new drone delivery service.



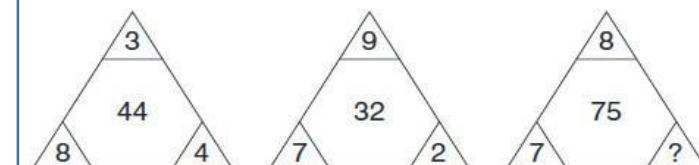
Original Photograph



3D Manipulation of Object in Photograph

### EDITORIAL BOARD

<b>Convener:</b>	Dr. L.K.Tyagi, H.O.D.
<b>Editor:</b>	Mr. Deepak Gupta(Asst. Prof.)
<b>Student Editors:</b>	Vartika Malik (3 <sup>rd</sup> Year)
	Akshat Singh (3 <sup>rd</sup> Year)
	Deenu Khan (3 <sup>rd</sup> Year)



What number should replace the question mark?

### LOGIX

You have two identical eggs. Standing in front of a 100 floor building, you wonder what is the maximum number of floors from which the egg can be dropped without breaking it. What is the minimum number of tries needed to find out the solution?

Answer will be published in the next issue