



# MANGALMAY

## TRIVIA

Without your involvement you can't succeed, With your Involvement you can't fail. "A.P.J. Abdul Kalam"

## Editorial MESSAGE

### Advisory Committee

Sh. Atul Mangal (Chairman)	Dr. Yaduveer Singh
Sh. Anuj Mangal (Vice Chairman)	Er. Sanjay Bhadoria
Sh. Harish Bhatia (Dean)	Er. Deepti Singh
Dr. Preeti Mishra (Professor E&C)	Er. Amit Maurya
Dr. Jyotsna Pandit (Professor)	

### Chairman

We all in the Mangalmai Institute have worked longer & harder to accomplish what we set out to do at the beginning of the semester. I had ambitious agenda's one of which was to start our own newsletter. I am happy to see that the first copy of our news letter is out with achievements ,success & activities by students & teachers. I thank you for your support & wish you a wonderful time ahead."



### Vice Chairman

I welcome you all to the first news letter of this academic year. Technical education is the backbone of every nation .Mangalmai Group has been contributing in the mission of transforming rural India into developed nation. The main focus is to empower students with sound knowledge experience & wisdom. I wish all my students a successful & rewarding career ahead."



## APPLIED SCIENCE Department

Orientation program was organised in Mangalmai Institute Of Engineering & Technology from 6 Aug -16 Aug 2018. Dr. Jyotsna Pandit was coordinator of the event. On the first day students were told about their campus resources. On second day Dr. Prof Khandal(Ex Vice Chancellor UPTU) was the Chief Guest. He took an interactive session with the students. Session on Human Values was conducted by Prof. Harish Bhatia (Dean Academics), Er. Sarvachan Verma, Er. Dhananjay Singh, Er. Amit Kesarwani and Er. Ankit Kumar. An interactive session on personality development was conducted by Mr. Anirudh Sharma and Mr. Nischal Mahajan. All the students enthusiastically participated in the orientation programme.



# Industrial Visits

An industrial visit to **Mother Dairy** was held on **16 & 17 August**. Students learnt about the whole process by which milk is collected, processed, packaged and distributed. Process steps include filtration, pasteurization, chilling, filling, packing and storing of milk. Cleaning and sanitation of the processing equipment is ensured using automatic cleaning. Process control parameter are monitored, recorded and reviewed as per the quality plan to ensure right product at first time.



A visit to **National Science Museum** was also held on **11 August**. The iconic structure of the centre is an exemplary landmark in the arena of modern architecture which is situated in the vicinity of the exhibition hub of India. Students learnt many scientific things and their logic was cleared.



## ELECTRONICS ENGINEERING DEPARTMENT

### Industrial Visit (Coca Cola)

An Industrial visit of engineering students was organized in order to have a through understanding of the industrial Modus-oprandi on **12<sup>th</sup> September 2018** to "Happiness Factory" Plant of Coca-Cola Brand in Greater Noida. This visit was planned for the students of B.Tech III<sup>rd</sup> year accompanied by faculty member Mr. Dhananjay Singh. An introductory session was conducted by Ms. Neha Bhasin who provided information about the Coca-Cola Company. She also splintered the myths regarding the ill effects of Coca-Cola logically. This visit was an enriching experience in getting exposure of manufacturing unit which can help in their further Career enhancements.



# Visual Analytics *(Article of the month)*

It is the science of analytical reasoning supported by interactive visual interfaces. Today, data is produced at an incredible rate and the ability to collect and store the data is increasing at a faster rate than the ability to analyze it. Over the last decades, a large number of automatic data analysis methods have been developed. However, the complex nature of many problems makes it indispensable to include human intelligence at an early stage in the data analysis process. Visual Analytics methods allow decision makers to combine their human flexibility, creativity, and background knowledge with the enormous storage and processing capacities of today's computers to gain insight into complex problems. Using advanced visual interfaces, humans may directly interact with the data analysis capabilities of today's computer, allowing them to make well-informed decisions in complex situations.

Visual Analytics can be seen as an integral approach combining visualization, human factors, and data analysis. Besides visualization and data analysis, especially human factors, including the areas of cognition and perception, play an important role in the communication between the human and the computer, as well as in the decision-making process. With respect to visualization, Visual Analytics relates to the areas of Information Visualization and Computer Graphics, and with respect to data analysis, it profits from methodologies developed in the fields of information retrieval, data management as well as data mining.

**Dr. Yaduvir Singh**  
Associate Professor(CSE)

## IOT *(Students Corner)*

Internet of Things is a joint network of connective devices. These devices gather and share data about how their users and the environment in which they operate. It also uses sensors and sensors are embedded in every physical device, it can be mobile phones, vehicles, electric appliances, bar code sensors, traffic light and almost everything we come across in day to day life. IOT provides the common platform for all these devices to dump their data and a common language to communicate with each other. Data is embedded from various sensors and sent to IOT platforms. Security, this platform integrates the collective data from various sources and performs analysis on these data and valuable information is extracted as per requirement. IoT consists of all the web-enabled devices that collect, send and act on data they acquire from their surrounding environments using embedded sensors, processors and communication hardware. These "connected" or "smart" devices, can sometimes talk to other related devices and act on the information they get from one another.

"The Internet of Things" is the seventh in the series of International Telecommunication Union.

Challenges faced by IoT..

1. Technological Standardization in most areas still remain fragmented.
2. Managing and fostering rapid innovation is a challenge for governments
3. Privacy and security
4. Absence of governance

IoT platforms can help organizations reduce cost through improved process efficiency, asset utilization and productivity. With improved tracking of devices/objects using sensors and connectivity, they can benefit from real-time insights and analytics, which would help them make smarter decisions. The growth and convergence of data, processes and things on the internet would make such connections more relevant and important, creating more opportunities for people, businesses and industries.

**Amit Kumar**  
CS III Yr

Industrial visit organised for the students of Civil Engineering department along with eminent faculty members to make them aware of the construction technologies which includes foundation detailing, structural design, concrete mix design etc..

This initiative was taken by the college at the working site of NIMBUS - THE GOLDEN PALM at Sector 168 Noida.

The visit was welcomed by the students as it also dealt with the severity involved in construction practices during site construction such as shear wall and foundation detailing and construction, building layout, building bye laws etc.

## CIVIL Department *Industrial Visit*



## ME Department

### *(Industrial Visit)*

An industrial visit was organised by Mechanical Engineering Department to Paharpur cooling towers. An Sahibabad industrial area site 4. The industry deals with the manufacturing of cooling towers for various places like malls, hotels & sky scrapers. Students learned about CNC machines employed for acute dimensioning & better surface finishing. They came to know about new materials used for manufacturing fan blades of cooling towers an extensive survey of the workshop was provided by company officials.



## CS Department

On recent technology **Special Lecture** was delivered by CSE department on "block chain technology" by Ms. Alpna Singh Assistant Professor CSE department. During this lecture ,she explored all the possibility of cryptography transactions. This technology is primarily used to verify transactions within digital currencies though it is possible to digitize code and insert practically any document into the block chain.

**A Workshop** on cyber security was conducted in which students were made aware of the cyber threats and how to protect ourselves from it.

Cyber security is the recent technology that is used in all E-commerce transactions. This technology allows to protect our system from unauthorized access.



# Vibrant CAMPUS

## Teachers day Celebrations

Teachers day was celebrated in the second half on 5<sup>th</sup> September with full fervour. Students welcomed their teachers and organized different cultural activity and thanked them whole heartedly for all the support and teachings they have received. Different cultural activity was performed and the function ended with the high tea. Prof. Harish Bhatia thanked all the students on behalf of faculty members for wonderful programme.



## Fresher's party

Fresher's party was organised to welcome First year students on 6<sup>th</sup> September. Programme started at 11:00am. Chairman Sh Atul Mangal, Vice Chairman Sh Anuj Mangal & Dean Sh. Harish Bhatia graced the occasion with their presence. After lighting of the lamp Maa Saraswati was worshipped and the programme was inaugurated. Second year students welcomed all the First year students. All the students of I year & II year performed different cultural activity. Amrita Singh and Aayush Saxena were chosen as Ms. Fresher and Mr. Fresher respectively.



## Engineers day Celebrations

Engineers day was celebrated on 15<sup>th</sup> September as a tribute to Greatest Indian Engineer Bharat Ratna Shri M.Visvesvaraya. He was born on 15<sup>th</sup> Sep 1861 in Chikkbelapur. He was a great civil engineer. On this occasion first year students of all branches show cased their talent by participating in project making competition. 1<sup>st</sup> prize was won by Akash Trivedi of CS branch, he made automated hacksaw blade, whereas 2<sup>nd</sup> prize was won by Rahul Ranjan from CS branch for his project on offline encyclopaedia and 3<sup>rd</sup> prize was shared by Ayush Saxena, S.Arshil Aziz & Nikhil Madan for water purification system project.

