GL BAJAJ
Institute of Technology & Management
FIND YOUR SPARK

COMPUTER SCIENCE & ENGINEERING

Spectator Mania

NEWSLETTER JULY 2017

Inside This Issue

Vision of the Department

To build strong teaching environment that respond to the needs of industry and challenges of the society.

Mission of the Department

M1: Developing strong mathematical &computing skill set among the students.

M2: Extending the role of Computer Science and Engineering in diverse areas like Internet of things (IoT), Artificial intelligence & Machine Learning and Data Analytics.

M3: Imbibing the students with a deep understanding of professional ethics and high integrity to serve the Nation.

M4: Providing an environment to the students for their growth both as individuals and as globally competent Computer Science professional with encouragement for innovation &start-upculture.

Program Educational Objectives (PEOs)

PEO1: Graduates will work in the area of application software development, artificial intelligence& Machine learning, data analytics, and Internet of things.

PEO2: Graduates will become successful software professional with leadership and managerial quality in the modern software industry based on their strong skill on theoretical and practical foundation.

PEO3: Graduates will exhibit professional ethics and moral value with capability of working as an individual and as a team to contribute towards the needs of the industry and society.

Program Specific Outcomes (PEOs)

1. Student will be able to use problem solving skills to develop efficient algorithmic solutions.

2. Student will be able to develop solution for a given problem in the area of artificial intelligence, data analytics, computer vision and IOT through conducive environment and infrastructure.

Workshop on Good health without medicines Using Mudra Vigyan

– 3rd Jan'17

Mudra vigyan introduces you to a system which will go far in helping you to maintain good health and in helping to overcome ailments / diseases if they do strike at all. The components of the system are:

Mudra Vigyan - The science of finger postures

- Chinese Massages
- Foods for health
- Routine Habits
- Plants for cures

WEB-D EVERY IDEA COUNTS

This event was held from 25th January 2017 to 31st January, 2017. This was a individual event which focused on developing the front end of the departmental website. Theme for the competition was " Design a website for your department and mark your presence".

WINNER OF WEB-D EVERY IDEA COUNTS

IBM WORKSHOP

A circuits & Logic Design Competition was organized for the students of G.L. Bajaj.

The competition was held on 3rd Mar'17 and had an overwhelming participation.

Workshop - ImaginXP - UX & Innovation

-3rd April ,2017

A workshop on ImaginXP - UX & Innovation organized by department of computer science and engineering.

This workshop act as an awareness building session to get a preview of UX Design and job opportunities. User Experience Design is the discipline for the design of digital products such as mobile applications, web portals, IoT, wearables etc. (think design for products such as Facebook, flipkart, shaadi.com, makemytrip etc).

There were 65.000 UX Design jobs in India, a number that is estimated to grow to 658,000 jobs by 2020. UX designers are highly paid and in high demand in the Indian industry across sectors.

Guest lecture on AI & Emerging Technologies

-6th april,2017

A Guest lecture on Artificial Intelligence & Emerging Technologies, by Mr. Sandeep Arora (Co-founder, FLARRIO), and Mr. Rahul Ghosh.

This workshop acted as an awareness building session to get a preview of the new opportunities and job-oriented learning. Among other things, it covered the importance of core AI constituents like Data Science, Machine Learning, Statistical Analysis, R and Python programming, Big Data elements like Hadoop and Apache Spark, and the latest uses of AI in Arts, Finance, Analytics, Science, Healthcare, Transportation, and Smart Cities.

A FACULTY DEVELOPMENT PROGRAM BY TCS

Tata Consultancy Services Limited (TCS) is an Indian multinational information technology (IT) service, consulting company headquartered in Mumbai, Maharashtra. It is part of the Tata Group and operates in 46 countries.

TCS is one of the largest Indian companies by market capitalization. TCS is now placed among the most valuable IT services brands worldwide. TCS alone generates 70% dividends of its parent company, Tata Sons. The parent group recently decided to sell stocks of TCS worth $1.25 billion in a bulk deal. In 2015, TCS is ranked 64th overall in the Forbes World's Most Innovative Companies ranking, making it both the highest-ranked IT services company and the top Indian company. It is the world's 2nd largest IT services provider.

TCS organized a FDP on 8th Apr'17 in GLBITM Greater Noida for the corporate learning and corporate knowledge expansion of teachers.

SMART INDIA HACKATHON INDIA 2017

Teams from CSE Department ,GLBITM, Gr. Noida got selected for the great nationwide Smart India hackathon 2017, by Government of India . At the Grand Finale of the event on 12 April,2017. One of our teams, team VisionArray has bagged the 4Th position along with a cash prize of 10,000 by Government of India. They competed with more than 180 teams from all over the India at Bhopal. Team leader of VisionArray , Tejas Upmanyu has received "Inspiration Award" from the esteemed panel of judges, intellectuals and cabinet ministers. Along with this great achievement, Team VisionArray attracted a lot of attention by senior officials at NCVPCR (The Ministry whose problem they solved.) and are in talks with them for purchasing and developing the solution further, very soon as they say it has a lot of potential to become the official NCPCR Application.

FIRE TRAINING

The fire training program was held by the specialized faculty on cutting edge technologies in edit. The event was held on 17th April, 2017.

IOS LAB INAUGURATION BY THE DIRECTOR OF THE INSTITUTE
-22nd Apr'17

iOS Lab inaugurated on 22 April,2017 by Mr. Suman Abraham Varghese, Chief Group Manager- Human Resources Adventz Group(formerly KK Birla Group). Under the banner of iOS Apple Lab, the students will be able to learn the following concepts. The Lab is equipped with 30 Mac Installed Machines with Xcode simulator to run, compile and build their App's, simple iPhone Application, Learn Objective-C, Memory Management, Target & Action Design pattern, Understanding the Delegates Design and Patterns, Model View Concepts and their Implementation, Advanced UI Table View Programming, Playing Audios and Videos, Sqlite Programming, Core Data Applications, Prepare the App store

TREE PLANTATION

G.L. Bajaj organized a tree plantation drive on 5th May'17 and planted across 200 plants all around the college campus.

FDP ON ALGORITHMIC THINKING & ALGORITHM DESIGN

An approach to make the computers learn how to treat human rights, by Prof. (Dr.) S.R. Subramanyam, PROFESSOR – NATIONAL University, San Diego, Ca, 10th May 2017 to 11th May 2017.

❖ Workshop outcomes:

Problem formulation and representation

✓ Better understanding of some problems and their complexities.

✓ Brute-force v/s systematic solutions.   Understanding of some data structures and algorithm design techniques

DONATION CLUB: CONNECTING THE UNCONNECTEDS

Donating Club is an initiative taken by students of C.S.E. (Chirag Batra, Gaurav Rajput, Shubham Shreyas, Paras Ahuja) to help the lesser privileged sections of our society by creating a platform where people who want to help can come and donate. They pick up donations at their convenience and make sure they get delivered to where they were intended to. Main focus is to grow as an idea and bring to light the daily ignored issues. Currently, they do not accept monetary donation, instead focus on the material ones which is usually considered trash. Till now they have done 3 donation events, in the first event on New Year, 17 donated over 4000 clothes collected from our friends and neighbourhood. In the second event we changed our style a bit and went on collecting waste paper from everyone like newspapers, copies, etc. Over 500 kg of waste was recycled and we bought copies, pencils, colors for poor students and donated thema in several free schools around Delhi. Bal Sahyog is one such school in Connaught Place, New Delhi which is directly under the Prime Minister of our country and the Principal of that school gave a congratulatory letter on efforts and encouraged them to keep up the god work. In the next donation, we spent a day in an orphanage inspiring the future of our country, talking to them and teaching them. This event was also a cycle rally in which we cycled for 25 km spreading the message of helping each other to achieve a greaterharmony

DONATION CLUB: CONNECTING THE UNCONNECTEDS

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After the end semester exams of May 17, we again collected about 700 kg of waste paper. The official website of our NGO "www.donationclub.info" is currently under re-construction as they are adding an OPEN LIBRARY to NGO in order to encourage more and more people to read. The idea behind it is that you can leave one book with them and can take any other in exchange, in this way people with a habit of reading can find new books easily in exchange of the ones they read. They team of Donation Club is growing and currently consist of volunteers from GU,GreaterNoida, DTU,New Delhi, Galgotias College, Greater Noida, NIFT, Rae Bareilly and several others from GL Bajaj as well. They have been working in collaboration with other NGOs too. The NGO is in the process of getting registered by the government for which some of the formalities have been already finished.

WORKSHOP ON MACHINE LEARNING

Workshop on Machine Learning in collaboration with Atti Vitti Pvt. Ltd. was conducted by Prof. A.K.Sinha from 13th June to 6th June for faculty member and students of final year. The main focus was MATLAB and R Systems. In MATLAB and R Systems, he told various problems with solution like drawing pie charts, finding histograms, and various other mathematical functions.