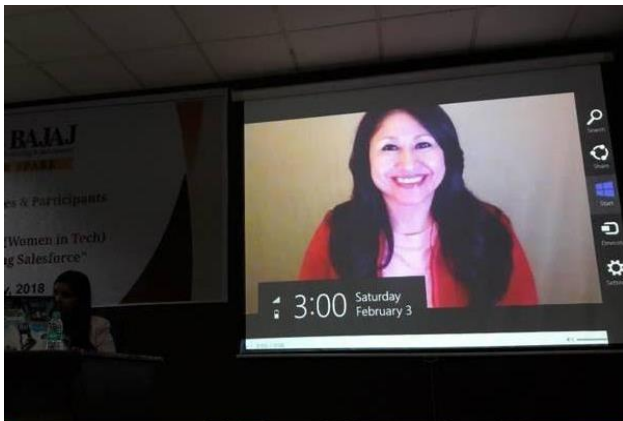


Spectator Mania



Computer Science & Engineering



INSIDE THIS ISSUE

- **SALESFORCE WOMEN TECH**
- **THE BIG TECH THEORY
TIME 2HACK**
- **ONLY COLLEGE IN UP TO WIN
FIRST PRIZE & CASH AMOUNT
OF RS.1 LAKH**
- **WORKSHOP ON SPIRIT OF
COMPUTING**

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-up culture.

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.

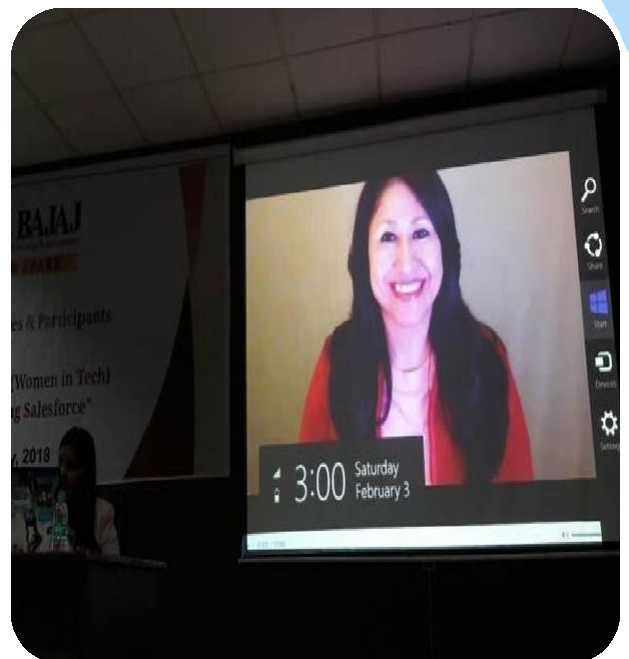
SALESFORCE WOMEN IN TECH

On the 3 Feb 2018 Noida Salesforce WIT (Women in Tech) organizes a session on Empowering G. L. Bajaj Girls students to inspire and explore opportunities in Salesforce learning and healthier career building. Although Noida Salesforce Groups have organized many workshops in GL Bajaj and keeping the SFDC Students framework in mind which was initiated by Vinay Chaturvedi , Noida WIT team (including Surbhi Narula, Payal Agarwal and Nida Khan) for evangelize all girls about Salesforce and introducing them to Salesforce Ohana.



Salesforce Saturday was started with introduction to Cloud Computing, CRM and Salesforce by Surbhi Narula (Leader of Noida WIT). After that girls were so motivated by Stephanie and were all ready with their questions as Stephanie guided them.

Beautiful part was as they got to know that Stephanie will be joining #IndiaDreamin18 again they were super excited and wanted to meet again. Introduction to WIT and history of it was well taken up by Payal Agarwal (co- leader of Noida WIT) and girls were so amazed to hear the history of Salesforce Women In Tech. After that Nida Khan (astonishing contributor of Noida Salesforce Groups) helped girls knowing the statistics of Women in Workforce and introduced them to Trailhead (amazing and fun way of learning Salesforce).



THE BIG TECH THEORY

Computer Science Department of GL Bajaj is going to organize a fest that include technical and non-technical events

THE BIG TECH THEORY
COMPUTER SCIENCE DEPT.

TECHNICAL EVENTS

- Code Wars
- Web Design
- App-Development
- SQL Maestro
- Bug-Debug
- Games (FIFA, COD&CS)
- Ex-Quiz me (programming QUIZ)
- Blind Coding

NON-TECHNICAL EVENTS

- Watchers on wall (GOT QUIZ)
- Shutter Up
- Selfie Contest

SPOTLIGHT EVENTS

- Treasure Hunt
- Beg Borrow Steal
- The Big Bang Theory (QUIZ)

INTER COLLEGE

THIS IS MY SPOT
G.L. BAJAJ
FEB 15-16, 2018

CONTACT:
Aditya: 9069767732 (Organiser)
Chirag: 9899668723 (Organiser)

VENUE:
G.L. Bajaj, Plot no.2,
Knowledge Park III
Greater Noida, Distt.
G.B. Nagar, Greater
Noida, Uttar Pradesh 201306

SPONSORS:
ENGINEERING EXPRESS
CODING BLOCKS
GeeksforGeeks
APTRON
CETPA

PRIZES:
GIFTS: CASH, GOODIES & COUPONS
Win Cash Prize upto 25,000

POWERED BY:
GeeksforGeeks
A computer science portal for geeks

POSTER CREATED BY: RAVI KUMAR (7827628535)

This was an Inter College event and all the students of all colleges can participate in any of the technical and non-technical event. The total cash prize was up to 25,000 and there are more prizes like internships in Geeksforgeeks , Bags , T-shirts, Discount Coupons. All the participants got a participation certificate which will have CSI mark .

TIME 2 HACK

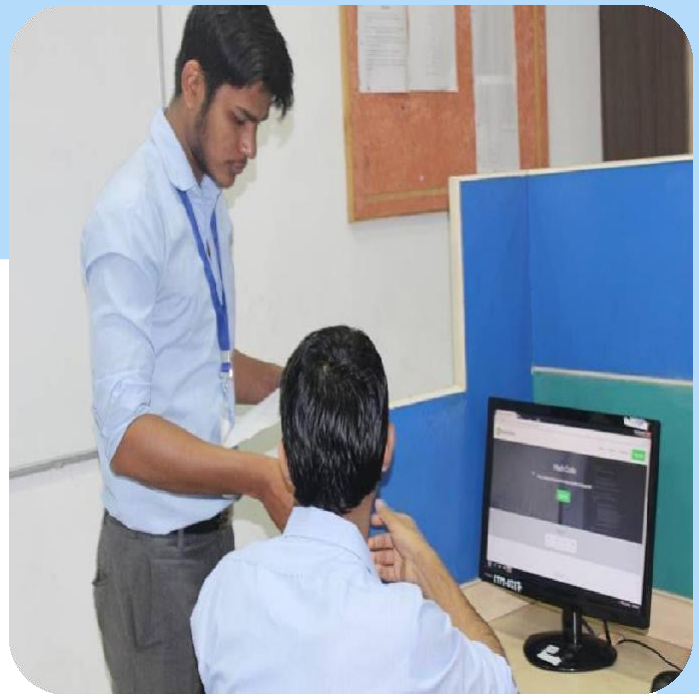
Starting from this year, The Matrix Campus Club is laying its foundation in GL Bajaj Institute of Technology and Management with a vision at “Creative problem Solving within a short timeframe”.

“Time 2 hack” is an initiative for the students of varied colleges of Delhi & NCR to showcase their talent and compete in a professional world by working on real time problems and innovate some great solutions to them.



The technical event tends to focus on maximizing the 4 years of the engineering and developing a technical background. The various technical events include a 24 hours hackathon, coding on Data Structures, algorithm and SQL, MCQ questions to test the IQ of the students in the aptitude and analysis, web designing, circuit designing and logo designing. There will be a panel discussion where the intellectuals from the various domains will be present on one platform and students will be free to get there queries answered.

The fun events give the participants a chance to showcase their talents in the various fields that include the treasure hunt, quiz on TV series, Gaming on CS Go, FIFA and Mini Militia, stand-up comedy, cinematic skills and photography.



The most decorative part of the event is the cash prizes up to Rs.5000 and T-shirts and goodies that will be provided to every winner. Moreover, There will be internship opportunities, Discount vouchers from our sponsors and many more.

ONLY COLLEGE IN U.P. TO WIN FIRST PRIZE CASH AMOUNT OF RS. 1 LAKH

ONLY COLLEGE IN UP TO WIN FIRST PRIZE & CASH AMOUNT OF RS. 1 LAKH

Glbians won at smart India hackathon 2018 organized by MHRD & AICTE, GOVT. OF INDIA

Congratulations GLB team ! Once again Glbians have proved their brilliance as the winners in grand finale of national level smart India hackathon 2018 organized by MHRD govt. Of India, coordinated by AICTE, held on 30th and 31st march 2018.

To reiterate the efforts towards our PM's vision, All India Council for Technical Education (AICTE), 45+ union ministries and departments and 18 state governments had joined this grand initiative, making it much bigger than any edition in the World.

There were 10368 Participants, 1296 Teams, 36 Hours of nonstop coding at 28 centers across the country

Honorable Prime Minister Sri Narendra Modi Ji addressed to the participants through Video Conferencing. Participants were also from IITs, NITs and other reputed engineering colleges of India.



Following GLBians made their mark at national and outshined among 10368 Participants:

TEAM - THE CONCEPT CREW won 1 st Prize at Grand Finale Smart India Hackathon 2018 under Ministry of Women and child Development with cash prize of 1 lakh Rupees. The prize was given by Dr. Shashikala Pushpa (Member of Rajya Sabha) and Shri Chetan B Sanghi (Joint Secretary, Ministry of Women and Child Development)

Members of The Concept Crew:

Tushar Aggarwal , Sagar Tyagi (TL), Shivam Shahi , Shubhangi, Siddhi Vinayakam, Yogesh Singh.

Problem given and solution offered:

Problem: App with Government Services for Women

Solution: An android application which is a One-Stop solution for most of the existing problems of women acting as hindrance in their development and growth.

Used NLP modules and clustering to make our application intelligent and embedded chat bots to make it more user oriented and finally developed a prototype with better UI and multilingual support.

Some highlights that led our project to win are

- Multilingual Support, Screen Readers
- Solving some complex problems using NLP modules
- Easy classification using clustering
- Chat-Bots
- Better UI

TEAM - VIZION ARRAY (CSE) received Inspiration Award and won 4 th place at Grand Finale Smart India Hackathon 2018 under Ministry of Urban Development, Government of Sikkim with cash prize of 10000 rupees. The prize was given by Dr.

Abay Jere (Organizing Secretary , Smart India Hackathon 2018) and Sh. Hardeep Singh Pur i(Union Minister of State in the Ministry of Housing and Urban Affairs)

Members of Vizion Array

Neha Shukla, Kavya Gupta, Sachin Tawara, Shivam Bhardwaj, Suhasini Singyan (TL), Vijay Yadav.

Problem given and solution offered:

Problem: Solution for monitoring and avoiding open dumping using GIS.

Solution: Sikkim being a state with 74% of rural area faces a serious problem of open dumping. Hence our solution contains a cross platform app accompanied with a robust web based dashboard/CMS which is an One- click solution for most serious issue that India is facing today.

Emphasising on technology stack, their solution makes use of technology like machine learning to make system smart, django powering backend, firebase for real-time database and fast native apps that provides an easy way out for monitoring purpose.

Some highlights that made project stand out of crowd :

- Self diagnosing type
- Leaderboard to build interest for the locals.
- Easy and Smart UI
- Simple Dashboard

Team - Grainfinite (IT) also won 4th position and won cash prize Rs. 10000/- . The prize was given by Mr. K.S. Srinivas, Joint Secretary, Ministry of Agriculture & Farmers Welfare and Mr. R Venkateswaran, Senior Vice President of Engineering, Persistent Systems.

Members of Grainfinite :

Rahul Chugh, Sarthak, Verma

Problem Statement: Handling of wheat stubble so that farmers do not burn stubble.

Solution Offered: Developed an mobile based solution for farmers to bridge the gap between farmers, industry and government & also help the govt bodies to monitor the farms where stubble was being burned.



WORKSHOP ON SPIRIT OF COMPUTING

Objective: “The Workshop aims to introduce elements of algorithm design techniques, elementary complexity with concepts and different theories consolidated with examples. This workshop strives to enable the participants’ learning with fun”.

Workshop Outcomes:

The workshop outcomes are understanding of:

- (a) The brief historical developments in various facets of computers
- (b) The early quests of mathematicians for the essence of what it means to carry out mechanical computations (algorithms)
- (c) The means of quantifying the complexity of the algorithms
- (d) Classifications of problems - P, NP, NP-Complete, and NP-Hard, with examples
- (e) Problems which have eluded efficient solutions
- (f) Problem transformations.

Speaker:

Professor S.R. Subramanya,
Ph.D. School of Engineering and Computing
National University
San Diego, CA

