



VOL 01, ISSUE 1

DECEMBER 2016

### Einstein's Corner

The important thing is not to stop questioning. Curiosity has its own reason for existing. One cannot help but be in awe when he contemplates the mysteries of eternity, of life, of the marvelous structure of reality. It is enough if one tries merely to comprehend a little of this mystery every day. Never lose a holy curiosity.



### Inspirational quote

"We are what our thoughts have made us; so take care about what you think. Words are secondary. Thoughts live; they travel far."

-Swami Vivekananda

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Dr. Namita Gupta

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Mr. Anmol Mittal  
Ms. Srishti Sahni

# तेजस गणक

OFFICIAL NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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## VISION

"To Produce Critical thinkers of Innovative Technology"

## MISSION

"To provide an excellent learning environment across the computer science discipline to inculcate professional behavior, strong ethical values, innovative research capabilities and leadership abilities which enable them to become successful entrepreneurs in this globalized world"

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY



## HISTORY OF DEPARTMENT

The Computer Science and Engineering Department was established in the year 1999 under GGSIP University with an intake of 60 students. The intake was subsequently increased to 120 in 2008 and at present has an intake of 240 students.

Department is committed to achieve excellence in technical education & research and assesses the success of its programs using the highest standards of quality. A group of well qualified, experienced and highly motivated faculty is engaged in providing quality education to the future computer engineer and prepare the students in wider field of Computer Engineering to take up challenging jobs in the area of Systems Software Development, Application Software Development and Computer Networking. Since its inception, the department has been the first choice of the students seeking admission in the private Engineering Institutes under GGSIP University. Graduates from the department are heavily recruited by both academia and industry, and ex-students of the department occupy top positions in both academia and industry all over the world.



### Message from the head

Department of Computer Science & Engineering commits to work towards developing Engineers with a rich blend of competent, technical, managerial and social skills and contribute to nation building. Department places emphasis on all the important aspects of computers such as Computer Networks, Mobile Communication, Algorithm Design, Operating System, Advance Database Systems, Theory of Computation, Computer Graphics and many more. Department takes the initiative to improve the soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently. To meet the objectives, department pays special emphasis on teaching and hands on practical work. Students exhibit their innovative ideas, skills and potentials as final year projects and have won many awards at University level. The excellent infrastructure, experienced team of faculty dedicates to strengthen effective teaching learning process ensuring quality education.

We believe that this approach to teaching-learning, coupled with practical experience gained during Industrial Training in reputed organizations, equips our students to handle the challenges posed by the IT industry. Students of Computer Science and Engineering are placed with top IT companies. We as a team resolve to take the Department to heights of success and glory and prepare for the forthcoming challenges.

**Dr. Namita Gupta**  
HOD CSE

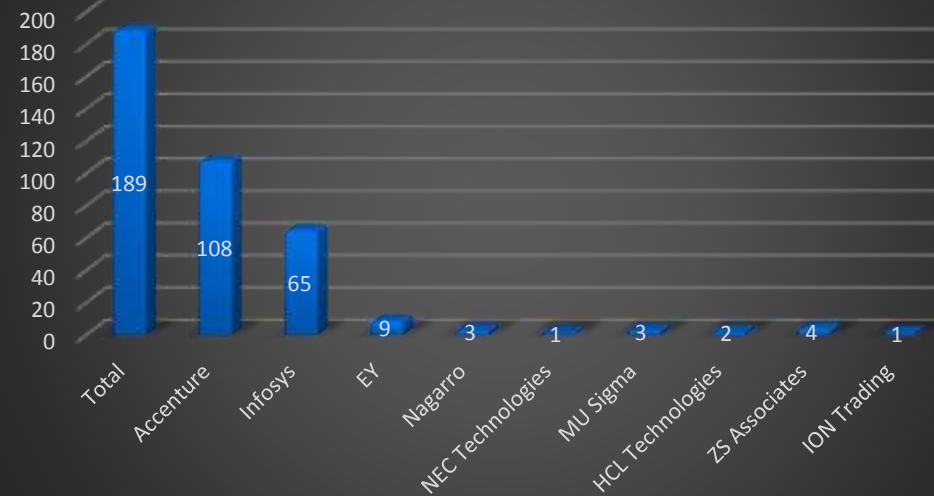
#### DEPARTMENT INTAKE

MORNING SHIFT – 180

EVENING SHIFT - 60

## PLACEMENT DETAILS

### Placement



### Highlights

1. Shubham Mittal  
**ION TRADING** - Package 10.5 Lac
2. Mayank Arora, Mohak Vig, Mukul Jain  
**ZS Associates** - Package 6.38 Lac
3. Deepesh Mutreja, Naman Chandra, Lakshay  
**MU SIGMA** - Package 5 Lac

## GGSIU RESULTS

### List of Students in TOP 50

#### BATCH 2012 – 2016

- Rank 8 - TANYA
- Rank 20 - MANIK AGGARWAL
- Rank 22 - KRITI SETH
- Rank 48 - HARSHA GOEL

#### BATCH 2013 – 2017

- Rank 3 - SAHIL GOYAL
- Rank 7 - GANESH RAJ PADHAYAY
- Rank 10 - RAKESH VASHIST
- Rank 11 - PRIYANK JAIN
- Rank 13 - UDGEETH AGGARWAL
- Rank 15 - AKSHITA GOEL
- Rank 16 - ROHAN GUPTA
- Rank 18 - NIRBHEEK BANGA
- Rank 36 - AARZOO GUPTA
- Rank 43 - LAKSHAY

#### BATCH 2015 – 2019

- Rank 3 - NIKITA GUPTA
- Rank 5 - SONAL BANSAL
- Rank 7 - GYAN VARDHAN
- Rank 11 - PRABHNOOR SINGH
- Rank 14 - NAKUL MALHOTRA
- Rank 16 - ABHISHEK MITTAL
- Rank 21 - RAJKANWAR CHOPRA
- Rank 22 - SNEHIL
- Rank 24 - PRIYANKA NAGPAL
- Rank 29 - PREETAM KUMAR

#### BATCH 2014 – 2018

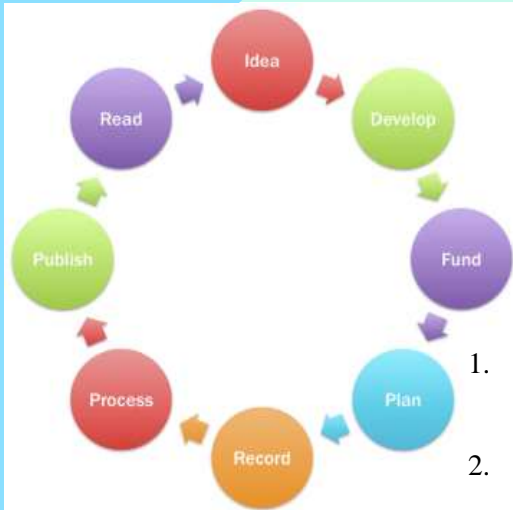
- Rank 6 - MAYANK SHAH
- Rank 10 - AISHWARYA DHEMBLA
- Rank 16 - SHUBHAM AGGARWAL
- Rank 22 - KRITI JAIN
- Rank 24 - SHADUAL SINHA

#### UNIVERSITY TOPPERS

- 2013 BATCH – Sahil Goyal – 3<sup>rd</sup> Rank
- 2015 BATCH - Nikita Gupta – 3<sup>rd</sup> Rank



# ACADEMIC UPDATES



## FACULTY UPDATES

### Faculty members pursuing Ph.D.

1. Mr. Neeraj Garg
2. Mr. Ashish Khanna
3. Mr. Deepak Gupta
4. Mr. Saurabh Rastogi
5. Mr. Sandeep Tayal
6. Mr. Ashish Sharma

### Non - Teaching staff qualification update

7. Mr. Rajesh Kumar – completed BCA from Vinayaka Mission University, Selam

## LIST OF PUBLICATIONS

1. Y. Sharma, D. Bhagwani, H. Pandey, N. Gupta, “Geolocation based recommender system”, *International Journal of Advanced research in Computer Science and Software Engineering*, Volume 6, Issue 4, April 2016 ISSN: 2277 128X
2. Deepak Gupta, Dr. Anil K Ahlawat, “Usability Determination Using Multistage Fuzzy System”, *Procedia Computer Science*, Elsevier.
3. Ashish Khanna, Awadhesh Kumar Singh, and Abhishek Swaroop, “h-Group local mutual exclusion algorithm in MANETs”, *CSI Transaction on the ICT (Springer)* (accepted), 2016.
4. Sagar Gupta, Prashant Aggarwal, Nikhil Gupta and Ashish Khanna, “Mutual Exclusion and its Variants Survey in MANETs” In the proceeding of *Indiacom IEEE Explore*, paper id-2316, ISSN: 0973-7529, ISBN: 978-93-80544-19-9, Delhi, India, 2016.
5. Aditya Bansal, Aishwary Varshney, Raghav Matta and Ashish Khanna, “Acknowledgement based Approaches for Detecting Routing Misbehaviour in MANETs”, In the proceeding of *IndiaCOM IEEE Explore*, paper id-2033, ISSN: 0973-7529, ISBN: 978-93-80544-19-9, Delhi, India, 2016.
6. A. Sharma, A. Gandhi and A. Kumar, "Prediction of CRM using Regression Modelling", *International Journal of Advanced Engineering and Global Technology*, Vol-04, Issue-03, May 2016.
7. R. Matta and A. Kumar, "Performance comparison of RSA and ECC in video steganography", *International Journal of Engineering Science and Computing*, Vol-06, Issue-04, April 2016.
8. A. Kumar, S. Jain, P. Kiranmai and A. Kumar, "Performance comparison of cryptanalysis techniques over DES", *International Journal for Research in Applied Science and Engineering Technology*, Volume- 4 Issue- V, May 2016.
9. P. Nagar, H. Mehra, Labhansh, “Speech Recognition”, *Proceeding of 2nd International Conference on COMPUTER SCIENCE & INFORMATION TECHNOLOGY: TRENDS, CHALLENGES & ISSUES 2016*, 29-30 JANUARY, 2016.
10. S. Tayal, N. Nagwal and K. Sharma, “Role of Big Data in Make in India”, *International Symposium on Computer Science & Computer Engineering*, 2016, (Accepted) (In-Press).
11. S.Goel, A. Jindal, B. Gupta, and U. Aggarwal, “Kurir: Android based social messaging application”, *International Conference on Business Process Re-engineering for Sustainability and Climate Change: Issues and Perspectives*, 2017 (Communicated).
12. A. Gupta and S.Singh, “An improved service allocation and deallocation in cloud environment”, *Indiacom*, 2017 (Communicated).
13. A. Kumar, A. Gandhi, A. Sharma, "Prediction of CRM using Regression Modelling", *International Journal of Advanced Engineering and Global Technology*, ISSN No.: 2309-4893, Vol-04, Issue-03, May 2016.

“WE CAN ONLY SEE A SHORT DISTANCE AHEAD, BUT WE CAN SEE PLENTY THERE THAT NEEDS TO BE DONE.”

- ALAN TURING

## Workshops & Seminars

CSE Department organized two hours' workshop on “**Troubleshooting related to Online Tests**” on **Saturday 24th September at 11 am in Room number 114 (Block-I)**.

Topics covered in the workshop are:

1. Troubleshooting related to System Requirement (Hardware and Software)
2. Troubleshooting related to LAN Connectivity /Speed/ LAN cable connection
3. Issues related to Internet Connectivity on each machine
4. Issues related to Installation/checking of Browsers and software (Java , Flash Player, ActiveX)
5. Proper working of Antivirus and Firewall in labs
6. Turn off services (Oracle Service, MySql Service, Apache Server, IIS Service)



### Workshop on “Hands on training on Microsoft Excel” By Computer Science and Engineering Department

Half day workshop on “Hands on training on Microsoft Excel” was conducted by CSE Department on 24 th December 2016 for MAIT non-teaching staff. The workshop was delivered by Ms. Zameer Fatima and Ms. Neetu Garg, Faculty(CSE Department). Around 55 staff members attended the workshop. Purpose of the workshop is to make staff members familiar with Ms-Excel features that will help them to efficiently manage office related data.



Organized one day workshop for 4th year students by Negarro on “Game development”.



## Latest News in Computer Science

Researchers at Ben-Gurion University of the Negev (BGU) have demonstrated malware that can turn computers into perpetual eavesdropping devices, even without a microphone.

Scientists at the Interdisciplinary Centre for Security, Reliability and Trust (SnT) of the University of Luxembourg have developed an important mathematical algorithm called "Equihash." Equihash is a core component for the new cryptocurrency Zcash, which offers more privacy and equality than the famous Bitcoin. Zcash came into operation as an experimental technology for a community-driven digital currency in late 2016.

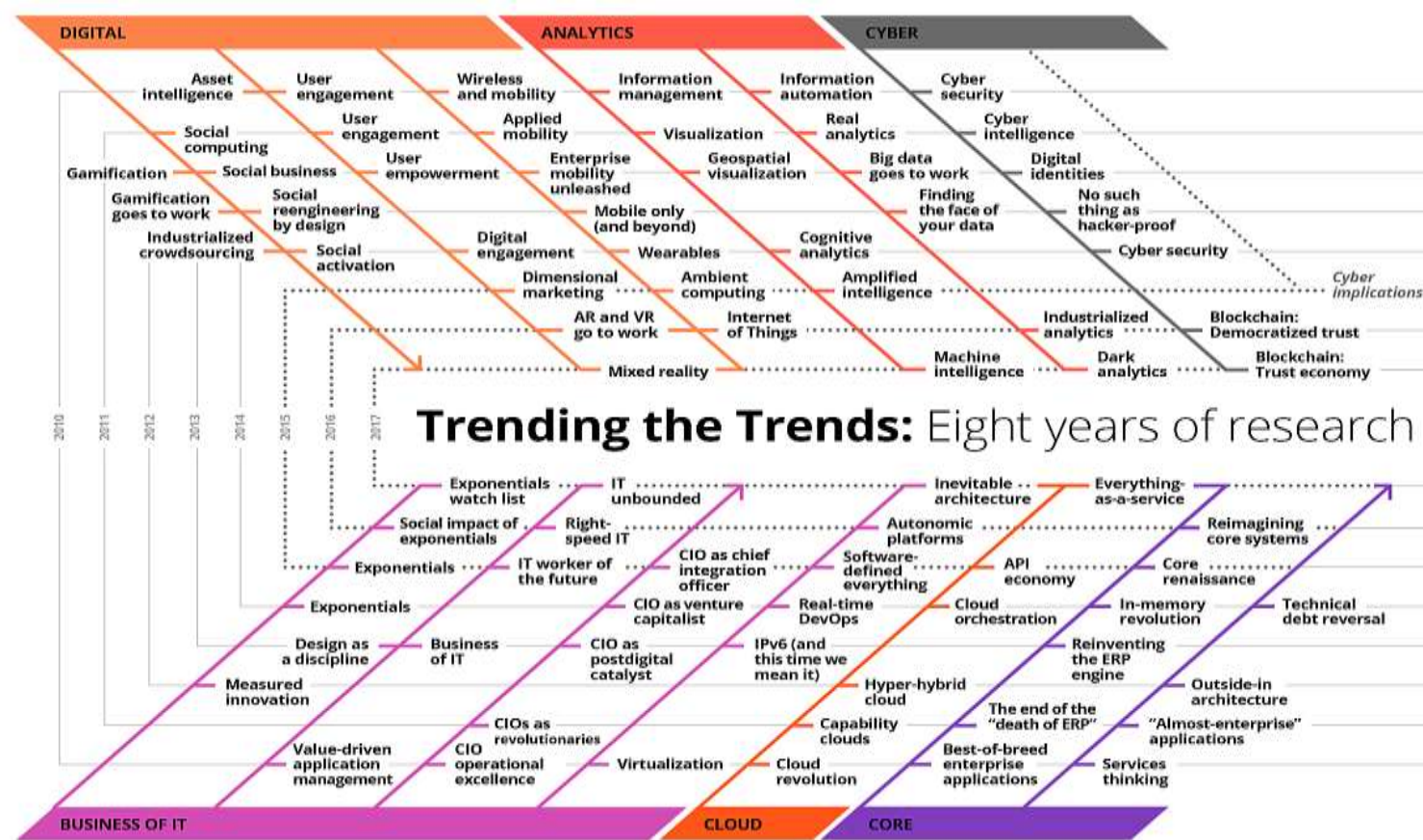
Researchers from the Competence Center for IT Security, CISPA, at the Saarland University have developed a kind of early warning system for this purpose. Details and first results will be presented by the scientists at the computer fair Cebit in Hannover.

For all the improvements in computer technology over the years, we still struggle to recreate the low-energy, elegant processing of the human brain. Now, researchers at Stanford University and Sandia National Laboratories have made an advance that could help computers mimic one piece of the brain's efficient design -- an artificial version of the space over which neurons communicate, called a synapse.

## Student's Achievements

### Achievements of individual Student in the Department

1. Harshit Sharma, made Bot Robot for farmer for OSI company. The product is under mass production for commercial use.
2. Anubhav Jindal, Got All India Rank 4th in "Code n counter", by Negarro, also, was runner up in Becathon by coding Ninja's.
3. Tushar Aggarwal, Abhishek Bansal (ECE) and Himanshu Chandra won 25000 cash prize for coming first in IIT Hackathon named "Codewars".
4. Shadual Sinha won 3<sup>rd</sup> prize (a cash prize of 1100) on the occasion of 153<sup>rd</sup> birth anniversary of Swami Vivekanand by MAIT.
5. Manav mahajan, Aindransushree ray and Shubham mittal won research based hackathon held at IIT-Delhi by Precog Research group.
6. Manav mahajan got selected for research Assistantship at NTU, Singapore (He is one of the 6 students selected from India).
7. Shubham Puri won Mr Mridang competition in 2016.
8. Shubham Gupta, did internship as a part of the CERN open lab summer student 2016 program and won Second prize in the lightning talks that were held in the first session, august 2016.
9. A team of 4 students named: Aditya Bhardwaj(CSE), Anurag Prasad(CSE), Bhavesh Kumar(CSE) and Akash Deep(EEE) participated in EYANTRA: a robotics competition conducted by IIT-Bombay and received Firebird 5 robot based on ATMEGA 2560 worth 27000 in this competition in 2015.



Shubham Guota

### Industry Interaction

An Industrial visit to Infosys Campus Chandigarh was conducted on 16th April, 2016, in which total 80 students from college participated along with following faculty members from the department, namely, Mr. Yogesh Sharma, Mr. Anupam kumar and Ms. Shallu Juneja.



### Forthcoming Events

ACM-MAIT Chapter is organizing Coding competition "CodeMocha - An Online Coding Competition" on 8th March 2017, 9:00-10:30 pm.

Seminar for Fourth Semester Students on 22 March 2017 on the Topic – "Overview of different Technologies" by RCPL