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# तेजस गणक

OFFICIAL NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## Einstein's Corner

Education is what remains after one has forgotten what one has learned in school.



## Inspirational quote

"Don't look for God in the sky; look within you own body."  
-OSHO

**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"

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## Chief-Editor:

Dr. Namita Gupta

## Editors:

Mr. Ashish Sharma  
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Mr. Sandeep Tayal  
Mr. Moolchand Sharma

## Students Co-ordinator:

Mr. Siddharth Mittal  
Mr. Sushant Verma  
Ms. Radhika Bansal  
Mr. Anmol Mittal  
Ms. Srishti Sahni

# THE DEPARTMENT

## 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

FIRST SHIFT – 180

SECOND SHIFT - 60

# PLACEMENT DETAILS (BATCH 2013-2017)

S.No	Name of the Company	No. of Students Recruited
1	Accenture	108
2	Infosys	65
3	EY	9
4	Musigma	3
5	HCL Technologies	2
6	ION Trading	1
7	Nagaro	3
8	NEC Technologies	1
9	ZS Associated	4

### HIGHLIGHTS

Name: Mridu Malhotra  
Company: Amazon Web Services  
Profile : Cloud Support Associate  
Package: 11 Lac per annum

# GGSIU RESULTS (JUNE 2017)

## SEMESTER WISE TOPPERS IN THE DEPARTMENT

### 2<sup>nd</sup> SEMESTER

1. SHUBHI JAIN
2. AKANKSHA SOOD
3. RADHIKA BANSAL

### 4<sup>th</sup> SEMESTER

1. ABHISHEK MITTAL
2. PRABHNOOR SINGH
3. NIKITA GUPTA

### 6<sup>th</sup> SEMESTER

1. AISHWARYA DHEMLA
2. SHADUAL SINHA
3. SOAMYA SINGLA

### 8<sup>th</sup> SEMESTER

1. AARZOO GUPTA
2. RAKESH VASHIST
3. SHUBHAM JAIN

## SUBJECT WISE TOPPERS IN GGSIPU

### 2<sup>nd</sup> SEMESTER

NIKHIL DHAMA – 100 Marks– APPLIED MATHEMATICS  
HARSHIT SINGHAL – 100 Marks - APPLIED MATHEMATICS  
GOURANG GOEL – 100 Marks – APPLIED PHYSICS  
SAVITTOJ SINGH – 97 Marks – ITP  
SHUBHI JAIN – 98 Marks – ENGINEERING MECHANICS

### 6<sup>th</sup> SEMESTER

ASHWARYA SINGH – 94 Marks – COMPUTER NETWORKS

### 8<sup>th</sup> SEMESTER

MUKUL GOEL – 97 Marks – SOFT COMPUTING  
PRASHANT GOEL – 95 Marks – DISTRIBUTED SYSTEMS

## LIST OF PUBLICATIONS



### FACULTY UPDATES

#### Faculty members pursuing Ph.D.

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

#### Faculty member qualification update

6. Mr. Ashish Khanna completed Ph.D. from NIT Kurukshetra

#### Staff member qualification update

1. Sachin Tyagi completed his BCA from Sikkim Manipal University

1. Y. Sharma, V.Jain, A.Bhatia, V.Arora, "Crime Prediction using K-means Algorithm" GRD Journals- Global Research and Development Journal for Engineering , Volume 2, Issue 5, April 2017, ISSN: 2455-5703
2. D Gupta, A. Ahlawat, "Usability Feature Selection via MBBAT: A Novel Approach", Journal of Computational Sciences, SCIE (IF1.74), June 2017.
3. D. Gupta, A. Ahlawat, K. Sagar, "Usability Prediction and Ranking of SDLC models using Fuzzy Hierarchical Usability Model", Open Engineering (Central European Journal of Engineering), ESCI, SCOPUS. Volume 7, No. 1, July 2017.
4. Sandeep Tayal, R. Vashist and K. Sharma, " Comparative Study of Ranking Algorithms," *Computing for Sustainable Global Development (INDIACom 2017), 4<sup>th</sup> International Conference on, 01<sup>st</sup> - 03<sup>rd</sup> March*, New Delhi, 2017, pp. 5433- 5437, IEEE Conference ID: 40353.
5. Sandeep Tayal, P. P. Singh, N. Nagwal and K. Sharma, "Development Indicators Analysis using R," *Computing for Sustainable Global Development (INDIACom 2017), 4<sup>th</sup> International Conference on, 01<sup>st</sup> - 03<sup>rd</sup> March*, New Delhi, 2017, pp. 5438- 5442, IEEE Conference ID: 40353.
6. Sandeep Tayal, N. Nagwal and K. Sharma, "Role of Big Data in Make in India," in *International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2016) held during 21 - 23 Dec 2016 organized by C. V. Raman College of Engineering, Bhubaneswar, India., 2016*, Springer

### DIGITAL INTERACTION PLATFORM

The Digital Interaction Platform aims to fulfill our Prime Minister's vision of a DIGITAL INDIA. It comprises of three phases namely: STUDR, CMS/LMS and the integrated platform which helps in communication with the alumni as well as helps students to analyze their performance and results through the tools provided on the platform. It also provides admin functions for various detailed queries on the student database for day to day administrative work. The project aims to provide an interaction and networking platform to the students, teachers, as well as the alumni of the college, by allowing them to connect easily to each other, while sharing essentials such as notes, industry specific experience, as well as assignments and tests. The portal will have the capability to automatically register new students in college database based on the credentials on the IPU website using STUDR extension. It will also provide a learning and classroom management system, as well as a student forum. It also provides the alumni with a platform to reconnect with their batchmates and communicate with them knowing their current whereabouts. This will enhance teacher - alumni, student - alumni, alumni - alumni interactions, providing better alumni record with the college along with great exposure and opportunities for the currently studying students. A platform such as this will be of great help to the college and its members. It will ease the workload of both teachers and students, allow the integration of learning with convenience, will give them a better experience to the learning and teaching process, and will give a strong boost to the educational facilities of the college along with more resource availability, most importantly being the student data and alumni interaction and suggestions.



CSE Department organized 5 day FDP on "Big Data Analytics and Machine Learning" from 10<sup>th</sup> to 14<sup>th</sup> July 2017

1. Day 1- Dr. Parag Singla, Assistant Prof, IIT Delhi - topics - Markov Logic and Recent Research.
2. Day 2- Dr. Vikram Goyal, Associate Prof, IIT Delhi - topics-Map Reduce Design Patterns and cloud computing.
3. Day 3, Mr. Yash Sharma and Mr. Shivam Sharma , Software Developer at Hackveda, VMDD Technologies - Big Data and Hadoop Installation on cloud environment.
4. Day 4 and Day5, Dr. Prashant Singh Rana, Assistant Prof, Thapar University, Punjab hands on experience on R Programming for solving Machine Learning and Data Mining problems.

FDP on "Emerging Trends in Networks and IoT" By Computer Science and Engineering Department from 6-7 June 2017

1. Day-1 Sensor Networks and Internet of Things Speaker – Mr Anand Nayyar, Asst. Prof. & Head, Dept. of Computer Application & IT, KCL Institute of Management and Technology,
2. Day-2 NS-3 Simulator, Speakers – Mr Alok Sharma, Dr Pooja Gupta, Mr Neeraj Garg from CSE, MAIT

FDPs ATTENDED

1. Ms. Sudha Narang attended one day FDP on "New Paradigms in Software Engineering" organized by Accenture at MSIT on 19th January, 2017.
2. Dr. Pooja Gupta, Mr. Neeraj Garg attended two day workshop on "Machine learning and Data Mining using R tool" by GTBIT at their campus on 23-24th February, 2017 .
3. Dr. Pooja Gupta, Mr. Neeraj Garg attended two day workshop on "Bio-Inspired optimization techniques" organized by BVCOE, New Delhi on 20th - 21st April, 2017.
4. Ms. Ruchi Goel attended a one day Seminar on "Recent Trends in MI and Evolutionary Computing" organized by BVCOE, New Delhi on 23rd May, 2017.



# ACM CHAPTER EVENTS

Organized By-ACM-MAIT Student Chapter



## Title: BugSmash

ACM-MAIT Student chapter organized a Bug Fixing event named “BugSmash” on 13 April, 2017 for all the budding engineers to enhance their code testing skills. The winner of the event was Abhinav Dutt. Students enthusiastically participated in the event as today's challenge for engineering students is to have program writing skills as well as bug fixing skills and complete the task in stipulated time.

## Title: CodèMocha

ACM-MAIT Student chapter organized an Online Coding event named “CodèMocha” on 8 March, 2017 for all budding engineers to enhance their problem solving skills. Over 100 students from different engineering colleges and branches registered for the event. The winner of the event, Archit Chauhan, student of Computer Science & Engineering (VI-Semester) of JIIT College, was given a cash prize of Rs 2000. All the other participants were given participation certificates.

Mr. ANUPAM KUMAR  
ACM CHAPTER, FACULTY CHAIR

## ALUMINI GOING FOR HIGHER STUDIES (JAN-JULY 2017)

Batch	Name	Name of Course	University
2011-2015	AMISHA GUPTA	PGDMHR	IMI, Delhi
2011-2015	ANKUSH GANDHARV	PGP	IIM,Jammu
2011-2015	SHRUTI JHAMB	MBA in Marketing & IT	USMS, GGSIP University, Delhi
2011-2015	SAHIL MANCHANDA	MTECH Computer Science	DTU, Delhi
2011-2015	ROHIT GARG	MBA	IIM, Rohtak
2011-2015	VARIDHI GARG	MS Computer Science	University of Southern California, Los Angeles
2011-2015	KAUTILYA BANSAL	Global Family Managed Business course	SP Jain School of Global Management, Mumbai
2011-2015	SIDDHANT GUPTA	MBA	IIT, Kharagpur
2011-2015	ADITYA BANSAL	Post Graduate Diploma in Management	International Management Institute, Delhi
2011-2015	SURABHI GOYAL	MS in Computer Science	University of Southern California, Los Angeles
2011-2015	ANSHUL ANEJA	Master of Engineering (C.S.E.)	Thapar University, Patiala
2013-2017	SHIVAM SHARMA	Post Graduate Diploma in Business Management	XLRI, Jamshedpur
2013-2017	PRASHANT JOSHI	MS in Computer Science	San Diego State University, California
2012-2016	SHREYANSH KUNDRA	MBA PGP	Indian Institute of Management, Vishak
2012-2016	RAGHAV AGARWAL	Post Graduate Program in Management	Indian Institute of Management(IIM), Shillong
2012-2016	ASHISH GUPTA	MBA International Business	Delhi University, Delhi
2012-2016	HEMANT PANDEY	MS in CS	SUNY Stony Brook, New York
2012-2016	HARSHITA JAIN	MS in CS	University of Southern California, Los Angeles

# STUDENT'S ACHIEVEMENTS

## SMART INDIA HACKATHON 2017



AICTE under aegis of MHRD and in collaboration with i4C, Persistent Systems Ltd., UGC, NASSCOM, Rambhau Prabhodini Mhalgi, SumaSoft Pvt. Ltd, Deloitte, ACM India, NIC, and MyGov launched Smart India Hackathon 2017 on Nov 9, 2016 at the hands of Shri. Prakash Javadekar, Hon“ble Minister of HRD, Government of India and Chief Patron, Smart India Hackathon 2017 to build Digital India and to engage the youth of the nation directly with nation building. Total 12 teams from MAIT participated in Smart India Hackathon 2017. **Team Extrapolate won first prize of Rs 1 lakh under AICTE.** Members of the team are Somin Wadhwa, Raunaq Jain, Prashasti Gupta, Akshay Sharma, Aviral Gupta and Dhruv Kuchhal. Extrapolate team worked on the Problem Statement - Prediction of Admission & Jobs in Engineering & Technology /Management/Pharmacy with respect to demographic locations. Another team CML2.0 won a Deloitte Innovation Award prize of Rs 10,000 under Indian Council of Medical Research. Members of the team are Samraj Agarwal, Deepanshi Bansal, Punya Aachman, Sankalp Sharma, Tamal Dey and Aman Mittal. They worked on the Problem Statement - Creating Games for prevention of Dengue and Chikunguniya.



Deepanshi Bansal, Samraj Agarwal, Punya Aachman, Sankalp Sharma and Aman Mittal won Deloitte Innovation Award in Smart India Hackathon under Indian Council of Medical Research. Deepanshi Bansal got the opportunity to become Microsoft Student Partner 2017-18

- Rijul Jain achieve 1<sup>st</sup> Position in Badminton, 2<sup>nd</sup> Position in Shotput and Discuss Throw during Annual sports fest-2017 MAIT.
- Kartikey Aggarwal achieve 1<sup>st</sup> Position in TABLE TENNIS during Annual sports fest-2017 MAIT.
- Punya Aachman achieve Deloitte Innovation Award (Cash Prize) in Smart India Hackathon, 2nd Position in Design & Manufacture during IITD Tryst17 Tech Fest and 2nd Position (Cash Prize) in NIEC Hackathon.
- Aditya Bhardwaj received Certificates from ISRO Chairman A.S. Kiran Kumar. Also Received Rs 10,000 cash prize from the college. Smart India Hackathon for ISRO ministry.
- Rishab Sharma, Mohammad Zohaib, Akshay Kumar sharma, “Neural Network for Image Classification” in International Journal of Innovative Computer Science & Engineering (IJICSE), Volume 4 and Issue 4 issue, July-Aug, 2017.
- Shikhar Agrawal, 3<sup>rd</sup> Year Student is part of FIFA under 17 team World Cup

