



# The ACM Chapter Chronicles 2019



Delivering the dose of tech buzz to bridge the gap between  
technology and you!!



## Annual Newsletter of ACM Student Chapter, USICT 2019

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**Editorial  
Team**

Sh. Rahul Johari  
Branch Head

Sapna Chaudhary  
Chair

Gaurav Jain  
Jt. Secretary

## Message from the Dean



ACM Student Chapter, USI,C&T was inaugurated in 2019 with an aim to give students an exposure to advancements in computing world.

Keeping the motto of ACM in mind, "Advancing Computing as a Science and Profession", the chapter organised plethora of events, throughout the year, like talks, workshops, competitions, symposiums, etc. I am sure students must have gained through these opportunities.

I would like to appreciate the efforts of the whole ACM team and wish all the best to the newly office bearers.

Kudos to the whole ACM @ USI,C&T team for a meaningful manifestation of our endeavours and achievements.

Prof. Arvinder Kaur  
Dean, USI,C&T

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## Branch Head's Words

ACM@USICT chapter was inaugurated in January 2019 with the aim to provide a platform to bright and talented students of USI,C&T to participate in various Workshops and Competitions.

With in the first year of it's launch, the Chapter has not only organized various events but has also facilitated exposure to it's Office bearers. Tamanna and Sapna participated in ACM National Convention at Jaipur in August 2019 and Abhishek in ACM Symposium on Computer Science and Law in New York, USA in October 2019. The kind of exposure USICT students have gained by interacting with fellow members of ACM on world platform has been amazing. With sincere thanks to Prof Arvinder Kaur, Dean@USI,C&T for providing all encouragement and support here's conveying best wishes to newly elected office bearers of 2019-20.

Rahul Johari  
Head, ACM Student Chapter, USI,C&T





# THE ACM USICT OFFICE BEARERS



ACM (Association for Computing Machinery) Student Chapter of USICT aims to provide students, research scholars, faculty members and the whole community, opportunities to explore the world of computers.

Throughout the year 2019 we conducted lots of events in order to achieve the motto of ACM - "Advancing Computers as a Science and Profession" and plethora of events are on their way in 2020.

This newsletter would give you glimpses of our events & achievements of 2019.

Hope you like it!

Happy Computing!

Regards

ACM @ USI,C&T Office Bearers

## Branch Head

Sh. Rahul Johari

Assistant Professor, USICT

**Chair:** Sapna Chaudhary

**Vice-Chair:** Abhishek Yadav

**Secretary:** Vineet Kumar

**Joint Secretary:** Gaurav Jain

**Treasurer:** Akshad Bhandula

**Web Chair:** Aakash Sangwan

## Executive Members:

Vardaan Grover

Rithik Aggarwal

Chetan Dev

## Ex-Office Bearers

**Chair:** Tammana Arora

**Secretary:** Rajat Maheshwari

**Treasurer:** Abhishek Khandelwal

**Web Chair:** Pankaj Kumar Gautam

## Inauguration of ACM Chapter at USICT



On 18th January, 2019 Friday at 2:30 PM, USICT (University School of Information and Communication Technology) organised the opening ceremony of the ACM (Association of Computing Machinery) Student Chapter. The ceremony was held in E-block seminar hall where two eminent speakers Prof. Neelima Gupta (Delhi University) and Prof. Vijay Kumar (JNU) were invited as Chief guests.

The target audience was MCA, M.Tech and B.Tech students. There was a footfall of around 75 students including PhD Research scholars at the time of event. Lamp- lighting ceremony was done by honourable Prof Arvinder Kaur, Dean USICT along with respective chief guest(s)

Prof. Neelima Gupta has 25 years of research and teaching experience in the field of algorithms and computer networks. She delivered a talk on the topic 'Input Size and Complexity of Algorithms', she had also presented some highlights of ACM during her talk.

Prof. Vijay Kumar has research experience in data science and he is presently the International Students Advisor at JNU. The title of his talk was 'Nature Inspired Meta-heuristic Algorithms'.

The Event concluded with vote of thanks by Branch Head, Sh Rahul Johari followed by with distribution of Mementos to Chief Guests. The refreshments were served to all.

## Agile Computing Workshop

On 4th February, 2019, Monday at 2:00 PM, a workshop on Agile Computing was being held by the USI,C&T - ACM Student Chapter at E-109. The workshop started with an IT Quiz where students of various courses participated enthusiastically. The speaker, Mr. Harshit Bhatia is an Ex-GGSIPUian, co-founder of Intellirise and also co-founder of Rawdebugger. He is working as a software engineer at Ion Digital. He is experienced Web and Mobile Application Developer with a demonstrated history of working in the computer software industry. He completed his Master of Computer Applications in Computer Science from GGSIPU.

There was a footfall of around 60 students. The talk was inspiring for the youth who are aiming for a future in software development as Agile computing is being followed by most of the IT companies today. Mr. Harshit tried to make the workshop lively and interesting for the students by arranging two small activities for the audience where student volunteers participated actively.

The event was inaugurated by Prof Arvinder Kaur, Dean USI,C&T and concluded with vote of thanks by ACM@USICT Chapter Branch Head, Sh Rahul Johari followed by distribution of mementos to the guest. Top three winners of the quiz got a trophy from our guest. Certificate of Participation was given to all students for attending the workshop. Light refreshments were served to all.





## **Talk on Discovering Dependencies of Discrete Categories**



On the occasion of National Science Day i.e. 28th February, 2019, Thursday at 10:30 AM, a talk was organized by ACM Student Chapter on Discover Dependencies of Discrete Categories (Fuzzy, Probability and Multi valued logic). The event was held at E-Block Seminar Hall. There was a footfall of around 60 students. Prof. József Dombi being the honourable speaker imparted students with valuable knowledge. Prof. Dombi is the professor of the Hungarian Academy Of Sciences and University Of Szeged. He is a member and former President of the education committee at University of Szeged from 1995-1997. The event started with a classical dance performance by Bhawna Sharma (a student of USICT) to welcome our guest. Sh. Rahul Johari briefed the audience about ACM. After that, Prof. Dombi started his talk and to keep the talk interactive, professor used white board and gave real life examples to the students. He also helped students by providing details on how to apply for PhD at Hungary. In the end, the interested students having similar area of interest talked to him one to one.



## **Talk on Auction Based Resource Provisioning in Cloud Computing**

On 25th March, 2019, Monday at 2:00 PM, a talk was organized by USI,C&T ACM Student Chapter on Auction Based Resource Provisioning in Cloud Computing. The event was held at E-Block Seminar Hall. There was a footfall of around 70 students.

Prof. D.P. Vidyarthi being the honourable speaker imparted students with his valuable knowledge. Prof. Vidyarthi is a professor in Jawaharlal Nehru University, Delhi. He has a research experience of Twenty Seven Years. At present, he is also working on a project from UGC titled "Designing Middleware for Resource Provisioning in Cloud Computing". He presented his talk with the help of presentation. He discussed various aspects of cloud computing. He also discussed his previous research papers in the field of cloud computing, mainly Auction Based Resource Provisioning. He answered with examples various questions raised by the students.

The event concluded with vote of thanks by Chapter Head, Sh. Rahul Johari followed by distribution of memento to the guest. Light Refreshments were served to all.



## ACM USICT Induction Program

### 2019



On 30th August ACM USICT organized an Induction Program to welcome freshers from B.Tech (CSE/IT/ECE), MCA(SE), M.Tech(CSE/IT/ECE/RA) and sensitize them towards ACM (Association of Computing Machinery) and spread awareness about various technical and non-technical events organized by ACM USICT Student Chapter. Students were encouraged to join ACM. The event was accompanied by fun events like puzzles, Marvel Quiz, etc. The program was organized in E-109 from 3 to 5 pm.

Sh. Rahul Johari, Branch Head briefed all the students with ACM as a wonderful opportunity to experience national as well as international academic exposure.

Announcements for the elections of Chapter Office Bearers and ExeCom Members were made. All the queries of the students were answered in the end.

The Program saw an participation of more than 120 students from various branches in USICT.

## U-CODE

UCODE was an online competitive programming competition held on 6th October 2019. It was an Online event. There was great participation of more than 170 students from different colleges and universities from all over the country. The contest contained 6 problems based on Data Structures and Algorithms. It was 3 hours sport programming competition. It was have a challenging brainstorming session which helped students to asses themselves. Winners were awarded prizes worth 5k and certificate of appreciation.

Winners:

- 1st Deepanshu Vaid (NSUT)
- 2nd Vipin Bhardwaj (MAIT)
- 3rd Neeraj Joshi (MAIT)

**acm Chapter**  
USICT

**PRESENTS**

**U-CODE**  
AN ONLINE CODING CONTEST

**OCTOBER 6, 2019 | 9PM-12AM**  
**PRIZES WORTH 5K**  
**REGISTER AT: [bit.ly/u-code](https://bit.ly/u-code)**

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# 1st Turing Workshop on Cloud Computing



On 21st October 2019, Monday at 9:30 am to 5pm, 1st Turing Workshop on Cloud Computing was organized by USICT ACM Student Chapter. The event was held in D Block Seminar Hall, with a footfall of 120+ students. Our 1st honourable speaker was Prof. D.P. Vidyarthi who is currently working in Jawaharlal Nehru University, Delhi. He has a research experience of more than 27 years.

Our second honorable speaker was Sh Rahul Johari Assistant Professor at GGSIPU and ACM USICT Chapter head. His research includes a survey on web application vulnerabilities (SQLIA, XSS) exploitation and security engine for SQL injection and Integrated Approach to prevent SQL Injection Attack and reflected cross site scripting attack.

Our third honourable speaker was Dr Raghava Mutharaju, Assistant Professor (CSE), IIT-Delhi. He got his PhD in Computer Science and Engineering from Wright State University, Dayton, OH, USA. He also worked as a Research Scientist at GE Global Research Centre, Niskayuna, USA. His work involved building knowledge graphs from unstructured and semi-structured data, along with using knowledge graphs for predictive analytics.

On the occasion the Chapter organised a Poster Making Competition from 9:30 am to 11:30 am, with the theme "Modern Day Technologies". Top Entries were displayed during the event and were awarded certificate(s) along with Award of Achievement.

The event concluded with a vote of thanks by Sh. Rahul Johari followed by distribution of memento to the guest.

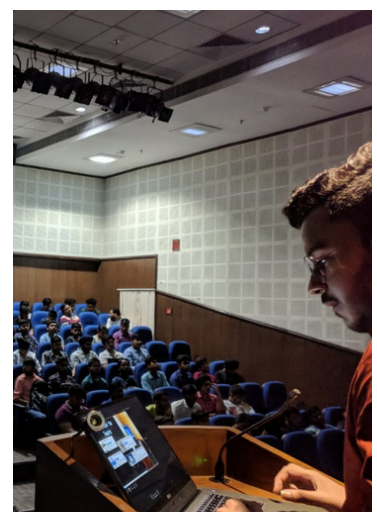


## Exploration Programme

On 31st October ACM USICT Chapter organised an interactive session from 10:00 am to 3:30 pm that introduced the students to multiple fields and domains of technology in a quick yet thorough manner.

The speakers were 2nd and 3rd year students who are working in the respective fields they spoke about. Each speaker presented his talk with the help of a presentation for about half hour followed by QnA of the students. The session was made interactive by using presentations, videos, etc. The event was attended by over 120+ students.

Light refreshments were served to all and there was a cultural program at the end.





## ACM India Summit 2019



On 10th August 2019, ACM India Council conducted ACM All India Summit at Manipal University, Jaipur. Two of our office bearers, Ms. Tammana Arora and Ms. Sapna Chaudhary attended the event and represented USICT Student Chapter. The event was a great experience for both. President of ACM India, Dr. Abhiram Ranade gave a speech on achieving the goal of ACM. There were various technical talks organized on topics like "Usage of Algorithms" and "Technology Trends: A Perspective" by well renowned speakers from ACM India Council and IITs, which was followed by various cultural performances.

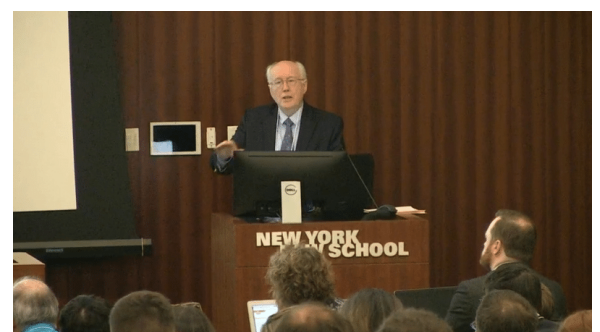
In the end, ACM India Chapters Technology Solution was organized, where the chapters presented innovative solutions to various problems faced like carbon emissions, issues of visually impaired people, etc. It was an insightful event which gave new exposure to the attendees.



ACM INAUGURAL SYMPOSIUM ON  
COMPUTER SCIENCE AND LAW



Abhishek Khandelwal, then-Treasurer of ACM USICT Student Chapter got an opportunity to participate in The Inaugural ACM Symposium on Computer Science and Law, held at New York on October 28, 2019. It aimed at stimulating interest in the emerging field of computer science and law and to articulate a research agenda, an educational agenda, and specific recommendations about how ACM and other institutions can support work in this field. It featured invited talks and panels about research, education, and practice in the interplay of computer science and law. The day concluded with a reception featuring student posters about work in computing and law, on topics ranging from cyber-security to legal informatics, in which about 61 entries were received. Key Note speakers of the event were Shafi Goldwasser, Edward W. Felten and Jack Balkin. The event was sponsored by Google, National Science Forum, Microsoft, etc.







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