

Events organised in the academic session 2019-20

A One-day workshop on Internet of Things (IOT)

Websters, The Computer Sc. society of Shivaji College, University of Delhi organised a one-day workshop on Internet of Things (IOT) on 1 st October 2019.

The expert Dr. Nikhil Kumar Rajput, Assistant Professor, Ramanujan College, Delhi University delivered lecture about the current and emerging trends in IOT. The workshop focused on both theoretical and hands-on experience in IOT. He conducted two sessions on Raspberry Pi, Arduino, and installation of window in Raspberry Pi and interfacing of various I/O devices including lights with basic embedded boards using Arduino libraries. The interconnection of various wireless devices using embedded programming and Internet was also covered. This practical session was attended by various students of B.Sc (Physical Science with CS). Faculty members and lab staff also attended this workshop.



The aim of the workshop was to impart knowledge about the real time applications of IOT among students and teaching community. The CS graduates have huge job opportunities in this field because of increasing and wide range of IOT applications. At the end, small project was given to students to showcase their talent like IOT based robot, IOT based home animation, IOT based projector remote and more. The day winded up with vote of thanks to resource person.

The one day workshop was successful in imparting knowledge about IOT and its emerging trends and how they are playing vital role in smart living. It was truly knowledgeable and helpful session for students.

Report on Webinar - *The Power of Data & Machine Learning*



The global trend of digitalisation has transformed the way in which education is designed, delivered, and implemented. Webinars are a common choice from the kaleidoscope. We are not bound by physical location, we can connect to the world of knowledge from anywhere.

The Department of Computer Science organized a webinar on the theme '*The Power of Data & Machine Learning*' on May 2, 2020. The speaker was **Dr. Saibal Kumar Pal, Senior Research Scientist and Divisional Head at Defence Research & Development Organization, Scientific Analysis Group, Delhi.** The webinar was attended by almost 200 participants which included students and faculty members from our college as well as other colleges and universities. Dr. Pal shared an interactive presentation on the theme and discussed in detail the importance and relevance of machine learning in present times.

He emphasised that the role of Artificial Intelligence and Machine Learning in today's world can neither be underestimated nor overlooked. It has impacted and transformed our lives in ways beyond imagination. These have changed the way we shop, communicate, travel, perform our routine tasks and do our business. Machine learning algorithms have been powering the world around us, and this includes product recommendations at Amazon, fraud detection at various financial institutions, surge pricing at Uber, as well as content used by Facebook, Instagram, and Twitter on users' feeds.

In fact, this area of science has become indispensable in the times of the current pandemic. Many research teams around the world are collecting and sharing data to develop solutions, and machine learning is helping them do so. Scientists and analysts are using ML to identify population at risk, diagnose patients, predict the spread of the disease, map where viruses come from, and even predict the next pandemic.

With huge volume of data available for analysis, **Big data** offers techniques that help in providing insights to data that lead to better decisions and strategic business moves. If we take this opportunity to collect data, pool our knowledge, and combine our skills, we can save many lives now and in the future also.

In the Q&A session, the students interacted with the speaker and put forth their doubts and queries. With many enthusiastic students interacting the session extended for more than 2 hours. The webinar helped the students widen their skills, as well as their understanding in field of **Machine learning**. It allowed students to attain new knowledge and skills that can supplement their main field of study.

Events organised in the academic session 2018-19

- Annual Technical Festival “Techelons” on March 14-15, 2019.
- Lecture by **Prof. Niladri Chatterjee, IIT Delhi** on “**Big Data, Machine Learning and Text Analytics**” on March 14, 2019.



Websters Computer Science Society
SHIVAJI COLLEGE
PRESENTS

Techelons 2K19

14TH MARCH
INAUGURATION
10:00 A.M.

TURNCOAT
It's no fun, when you just agree!
12:45 P.M.

PUBG COMPETITION
See you in POCHONKI
02:00 P.M.

DARK CODING
Let's code in the dark!
02:30 P.M.

GOOGLER
Search as fast as you can!
03:30 P.M.

15TH MARCH
QUIZOPHILE-E-QUIZ
Are you a tech geek? Prove IT here.
10:00 A.M.

WHATSAPPER
Texting at the next level.
10:00 A.M.

CODE CRACKER
#Debug me
10:30 A.M.

LAN GAMING
Play beyond the limits.
10:30 A.M.

PLAY WITH SQL
Way to queries
12:30 P.M.

PRIZES WORTH Rs 30,000/-

For Registrations:-
QR Code
bit.ly/techelons

CONTACT US:-
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VIDEO PARTNER:- [Logos of various media partners]

MEDIA PARTNERS:- [Logos of various media partners]



Events organised in the academic session 2017-18

- Annual Technical Festival “Techelons” on March 19-20, 2018
- Lecture by **Mr. Rajeev Mehta, Senior Technical Leader, Aricent Technologies on “Emerging Technologies and Their Career Perspectives”**
- Alumni Meet on March 17, 2018.

The Department of Computer Science celebrated its annual festival Techelons on 19-20 March 2018. The inaugural guest was Mr. Rajeev Mehta from Aricent Technologies.

Mr. Mehta talked on emerging technologies can have brought about changes to people's lives. He had been working over a decade on bridging the gap between technology & real-life issues, thereby enabling the common people in getting the best out of latest technologies.

He discussed emerging technologies like block chain and Big Data technology. He stated that Blockchain is the imminent future of our computer networks. It's a very cost-efficient system, in which everyone is the judge and protector of information, both theirs and someone else's. In simple words he explained that a blockchain is a system of computers, in which information is stored and shared among all participants of the network.

Another technology he explained to students was the Big Data. He told that Big Data is analyzed by organizations and businesses for discovering patterns and trends related to human behavior and their interaction with technology, which can then be used to make decisions that impact how we live, work, and play.



The festival flagged off with Turncoat and Dark Coding events. The second day saw various colleges competing for events such as Code Cracker, Play with SQL, What Zapper, LAN Gaming and IT Quiz. Students from DUCS, PGDAV College, ARSD College, Bhaskaracharya College of Applied Sciences, Kirorimal College, Rajdhani College, JIMS, IITM, etc participated.

Events organised in the academic session 2016-17

- Techelons on 30-31 March 2017
- Talk by : **Mr Anuj Agarwal, Chairman, Centre for Research on Cyber Crime and Cyber Law** on 30th March, 2017

Techelons– the Annual Cultural Festival of Department of Computer Science, Shivaji College was organised on 30th and 31st March 2017. Mr Anuj Agarwal, Chairman, Centre for Research on Cyber Crime and Cyber Law delivered the inaugural address. He elaborated on various aspects of Cyber law, cyber security and how to stay safe and secure in the present digital era. He said that the digital medium has a bright future, however it needs proper monitoring. We need safe and secure digital infrastructure. After the talk the festival flagged off with events like Logics, Turncoat, Lan Gaming.

The second day saw various colleges competing for events such as Code Cracker, Play with SQL, What zapper and Brain Twister-IT Quiz. Students from DUCS, SGTB Khalsa College, Ramjas, Bhaskarcharya College of Applied Sciences, Vivekananda College, BVICAM, Satyawati College, IITM etc participated with great enthusiasm and zeal. The department congratulated the students for their contribution in making the festival a success.



Events organised in the academic session 2015-16

- **Talk on Cloud Computing** by Mr. Ashish Raj, Associate Team Leader, CETPA, Infotech on August 13, 2015.
- Techelons on 9-10 March, 2016
- Talk by Prof. Vasudha Bhatnagar, Department of Computer Science, University of Delhi on Introduction to Data Science on 9th March, 2016.

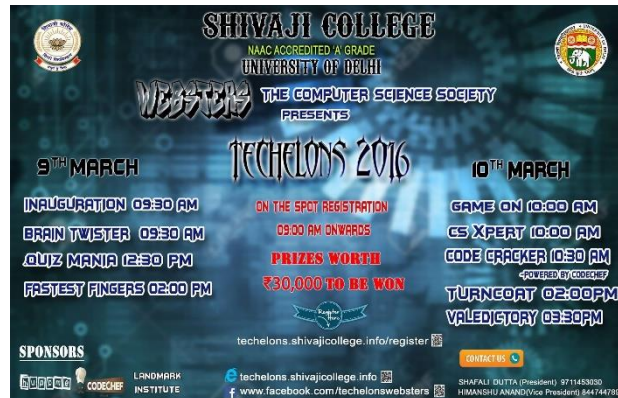
Report on Talk on Cloud Computing

A talk on Cloud Computing was organised for final year students of B.Sc Physical Sc and B.Tech Computer Science. Mr. Ashish talked of its relevance in present times how it facilitates the access of applications and data from any location worldwide and from any device having an internet connection. He told that cloud computing reduces operational cost of businesses and brings speed, accuracy. Thanks to innovative products that provide storage, software, and infrastructure through the cloud, businesses can now minimize their IT expenses.

Mr. Ashish suggested students to up skill their career in the domain of **Cloud Computing**. Amazon is a pioneer in **Cloud Computing** above rest of the **Cloud Vendors** like Salesforce, Azure etc. Numerous job opportunities are there for freshers and if they get a certification in this domain then it is an added benefit.



Report on Techelons 2016



Techelons- the Annual Cultural Festival of Department of Computer Science, Shivaji College was organized on 9th and 10th March, 2016. Professor Vasudha Bhatnagar from University of Delhi delivered the inaugural address. Prof. Vasudha talked about data, one of the important features of every organization as it helps business leaders to make decisions based on facts, statistical numbers and trends. She informed data science not something new, it is the field of study that combines domain expertise, programming skills, and knowledge of mathematics and statistics to extract meaningful insights from data. Data that is extracted can be either structured or unstructured.

The field of Data science is a continuation of data analysis fields like data mining, statistics, predictive analysis. Some of the methods used in data science includes probability models, machine learning, signal processing, data mining, statistical learning, database, data engineering etc.

The festival flagged off with Brain Twister, Quiz Mania and Fastest finger first event. The second day saw various colleges competing for events such as Code Cracker, CS Xpert, Turncoat and LAN Gaming. Students from IIITD, IITD, DUCS, Ramanujan, Rajdhani, Gargi , ARSD, Arya PG College , ITS college participated with great enthusiasm and zeal. Ashish and Stuti Goel from IIITD stood first in Code cracker and Cs Xpert.