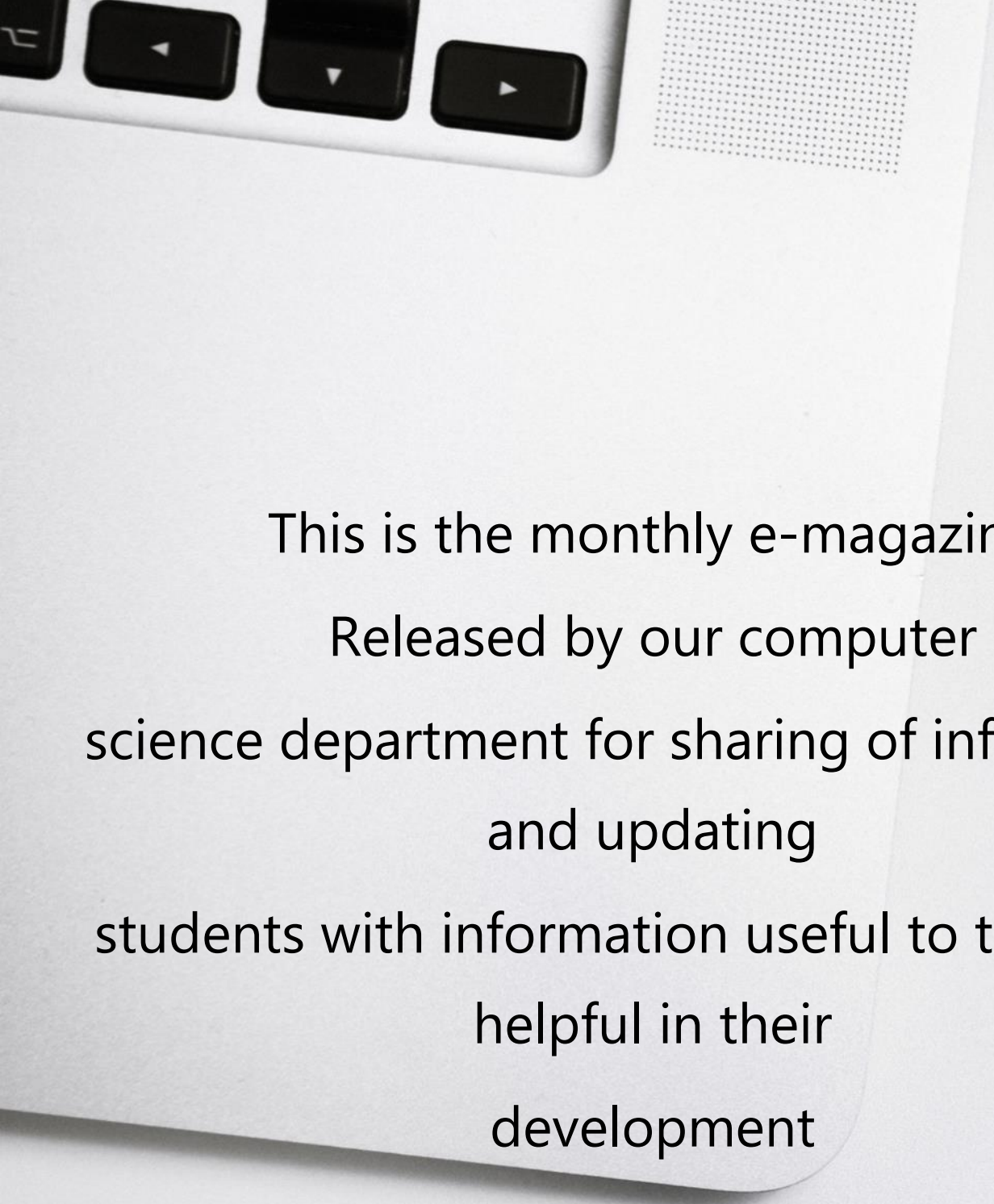
THE BYTE

October 2019

Department of Computer Science & Engineering

IMS Engineering College



This is the monthly e-magazine

Released by our computer

science department for sharing of information and updating

students with information useful to them and helpful in their

development

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INSTITUTE

VISION - Our vision is to impart vibrant, innovative and global education to make IMS the world leader in terms of excellence of education, research and to serve the nation in the 21st century.

MISSION -

- To develop IMSEC as a centre of excellence in technical and management education.
- To inculcate in its students, the qualities of leadership, professionalism, executive competence and corporate understanding.
- To imbibe and enhance human values, ethics and morals in our students.
- To transform students into globally competitive professionals.

DEPARTMENT

VISION - To be recognized as a centre of excellence imparting quality education and creating new opportunities for students to meet the challenges of technological development in computer science & engineering.

MISSION -

- To promote technical proficiency by adopting effective teaching learning processes.
- To provide environment & opportunity for students to bring out their inherent talents for all round development.
- To promote latest technologies in computer science & engineering and across disciplines in order to serve the needs of industry, government, society and the scientific community.
- To educate students to be successful, ethical and effective problem-solvers and life-long learners who will contribute positively to the society.

PROGRAM EDUCATIONAL OBJECTIVES

- Graduates of the program will be able to apply fundamental principles of mathematics, engineering, management, basic programming languages in problem understanding & formulating its solutions. They will be aware of the role of computing in multiple disciplines.
- Graduates will learn to apply the principles of advanced computer programming & approaches, software engineering, project management, emerging techniques & tools while developing real world computational solutions and projects. Graduates should also learn to collaborate & apply innovative aspects in problem solving.
- Graduates will enhance their technical, aptitude, communication & professional skills through value addition programs, project based learning, engineering events, self-learning, research, interaction with industry & alumni. Help our graduates to establish a productive computer science and engineering career in industry, government or academia.
- To promote the understanding of professionalism, ethics, social responsibilities among graduates. They will contribute to the society through active engagement with professional societies, schools, civic organizations or other

PROGRAM SPECIFIC OUTCOMES (PSO'S)

- Student should learn to demonstrate the basic understanding of computer science & engineering fundamentals, programming, and professional/ social ethics and apply mathematical foundations to design & solve computational problems.
- Student should learn to apply analysis, design, development, testing & management principles in the development of computational solutions & software systems; he/she is expected to function effectively in development teams.
- Student is expected to gain enough value addition and technical expertise on latest industry specific skills through self learning & training. They are expected to have good communication skills with correct attitude and aptitude.
- Students are expected to inspire for lifelong learning & do well in their professional careers. They are also expected to act as a good citizen by inculcating in them moral values & ethics.

FROM EDITORIAL DESK.....

It is with immense happiness that we place in the hands of our readers this edition of 'THE BYTE'. This magazine is a platform that exhibits the literary skills, innovative ideas of teachers and students. It was crazy when we stated it but when it all come together, we were more than happy.

I would like to thank to Dr. Pankaj Agarwal (HOD CSE), editorial team members, and all student coordinators for helping us pull this through.

We express our considerable appreciation to all the authors of the articles in this magazine. These contributions have required a generous amount of time and effort. We hope you enjoy reading these articles, as seen through the IMS student's journalistic eye.

Thank You all!!

Chief Editor

The Byte

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ARTICLES

EMINENCE OF BLOCKCHAIN EVOLUTION

Blockchain technology allows consumers and suppliers to connect directly, removing the need for a third party. It provides a decentralised database or digital ledger of transactions that everyone on the network can see.

Or we can say it is a simple way of transaction. Let us study through this article about blockchain technology, where it is used, who invented blockchain, technology, what are its advantages and disadvantages, is it safe to use etc.

Blockchain will allow middleman-free way to exchange asset. It will also allow the removal of intermediaries that are involved in record keeping and transfer of assets.

Blockchain technology is associated with crypto-currencies like bitcoin and others. Have you ever imagined a world where there is not necessary to validate any sale or purchase with no receipts, no bank documents and no need of registering or disposal of property with the concerned government department?

Why Blockchain technology is required?

The blockchain technology is a method that brings everyone to the highest degree of accountability. With the help of this technology no more transactions will be missed, human or machine errors will be minimised etc.

Blockchain mechanism brings everyone to the highest degree of accountability. Therefore, solves the problem of manipulation. It provides durability, reliability, and longevity with decentralised network.

Even nowadays major banks are experimenting this technology as they can use it for money transfers, record keeping and other backend functions. As an un-alterable ledger in real time it enables them to track documentation and authenticate ownership of assets digitally. Also, Indian IT service providers like Infosys and TCS companies are using this technology to create core banking platforms for banks.

Challenges of Blockchain Technology

To verify all the transactions huge power i.e. electricity is required.

There should be security about the private key. Every time private key must remain secret because revealing it to third parties is equivalent to giving them control over the bitcoins secured by that key. Also, it is necessary to have a backup of the private key so that it can be protected from accidental

loss. We know that if it is lost ones cannot be recovered and the funds secured by it are lost forever.

We know blocks in a chain must be verified by the distributed network and it can take time. So, transaction speed can be an issue.

Is Blockchain technology safe to use?

Hope from the above discussion, it is clear that no doubt blockchain architecture can significantly bring down the costs and reduce inefficiencies in the financial sector. As, it allows two parties to execute a transaction without any intermediary. Without any human intervention blockchain allows financial institutions to execute and verify transactions discretely. And transactions are continuously maintained and verified in 'blocks' of records.

With the advancement of technology and the development of society the main goal of the government is to provide a method for a secure way of transactions. Whether methods are advanced or new technologies are emerging but the goal is same.

As, blockchain allows consumers and suppliers to connect directly, removing the need for a third party.

Ms. Shaili Gupta

Assistant Profesor, CSE

Internet of Things (IoT) Protocols and Connectivity Options: An Overview

"Whenever I hear people saying AI is going to hurt people in the future I think, yeah, technology can generally always be used for good and bad and you need to be careful about how you build it … if you're arguing against AI then you're arguing against safer cars that aren't going to have accidents, and you're arguing against being able to better diagnose people when they're sick." — Mark Zuckerberg

Introduction

A huge ecosystem of connected devices, named the Internet of Things, has been expanding over the globe for the last two decades. Now, the overwhelming number of objects around us are enabled to collect, process and send data to other objects, applications or servers. They span numerous industries and use cases, including manufacturing, medicine, automotive, security systems, transportation and more.

The IoT system can function and transfer information in the online mode only when devices are safely connected to a communication network.

What makes such a connection possible? The invisible language allowing physical objects to "talk" to each other consists of IoT standards and protocols. General protocols used for personal computers, smartphones or tablets may not suit specific requirements (bandwidth, range, power consumption) of IoT-based solutions.

IoT Protocols Background

The first devices connected to the global net appeared in 1982. It was a Coca-Cola vending machine that could control the temperature of the machine and keep track of the number of bottles in it. The term "Internet of Things" is considered to be formulated in 1999 by Kevin Ashton, an RFID technology researcher.

In the 1990s, all IoT-related activities came down to theoretical concepts, discussions and individual ideas. The 2000s and 2010s was a period of rapid development when IoT projects began to succeed and found certain practical applications. Multiple small and large projects were created, from intelligent lamps and fitness trackers to self-driving cars and smart cities. This was made possible because of the emergence of wireless connections that could transfer information over a long distance and the increased bandwidth of Internetcommunications. The IoT grew to a completely "different Internet," so that not all existing protocols were able to satisfy its needs and provide seamless connectivity.

Requirements for IoT Networks

- The capacity to connect a large number of heterogeneous elements
- High reliability Real-time data transmission with minimum delays
- The ability to protect all data flows
- The ability to configure applications
- Monitoring and traffic management at the device level
- Cost-effectiveness for a large number of connected objects
- Most Popular Internet of Things Protocols, Standards and Communication Technologies

Popular IoT wireless protocols, standards and technologies

MQTT
MQTT (Message Queue Telemetry Transport) is a lightweight protocol for sending simple data flows from sensors to applications and middleware.MQTT suits small, cheap, low-memory and low-power devices.

DDS
DDS (Data Distribution Service) is an IoT standard for real-time, scalable and high-performance machine-to-machine communication. It was developed by the Object Management Group (OMG).You can deploy DDS both in low-footprint devices and in the cloud.

AMQP
AMQP (Advanced Message Queuing Protocol) is an application layer protocol for message-oriented middleware environments. It is approved as an international standard.

Exchange — gets messages and puts them in the queues

Message queue — stores messages until they can be safely processed by the client app

Binding — states the relationship between the first and the second components

"What The Internet of Things is really about is information technology that can gather its own information. Often what it doesd with that information is not tell a human being something, it just does something." – Kevin Ashton

wifi
Standard: Based on IEEE 802.11
Frequencies: 2.4GHz and 5GHz bands
Range: Approximately 50m

Data Rates: 150-200Mbps,

600 Mbps maximum

Bluetooth
Bluetooth is a short-range communications technology integrated into most smartphones and mobile devices, which is a major advantage for personal products, particularly wearables. Bluetooth is well-known to mobile users. But not long ago, the new significant protocol for IoT apps appeared — Bluetooth Low-Energy (BLE), or Bluetooth Smart.

Zigbee
ZigBee 3.0 is a low-power, low data-rate wireless network used mostly in industrial settings.
The Zigbee Alliance even created the universal language for the Internet of Things — Dotdot — which makes it possible for smart objects to work securely on any network and seamlessly understand each other.

WiFi
Wi-Fi is the technology for radio wireless networking of devices. It offers fast data transfer and is able to process large amounts of data.
This is the most popular type of connectivity in LAN environments.

Cellular
Cellular technology is the basis of mobile phone networks. But it is also suitable for the IoT apps that need functioning over longer distances. They can take advantage of cellular communication capabilities such as GSM, 3G, 4G (and 5G soon).

Zigbee
Standard: ZigBee 3.0 based on IEEE802.15.4
Frequency: 2.4GHz
Range: 10-100m

Data Rates: 250kbps

Suyash Yadav
CS III Year

How can you reliably spot a fake smile? Ask a computer

Real and fake smiles can be tricky to tell apart, but researchers at the University of Bradford have now developed computer software that can spot false facial expressions.

By analysing the movement of the smile across a person's face, the software can determine whether or not the expression is genuine. The most significant movements detected by the software were around the eyes, supporting popular theories that a spontaneous, genuine smile is one that can be seen in a person's eyes.

"A smile is perhaps the most common of facial expressions and is a powerful way of signalling positive emotions," says Hassan Ugail, Professor of Visual Computing at the University of Bradford, who led the research. "Techniques for analysing human facial expressions have advanced dramatically in recent years, but distinguishing between genuine and posed smiles remains a challenge because humans are not good at picking up the relevant cues."

The software works by first mapping a person's face from within a video recording, and identifying the mouth, cheeks and eyes of the subject. It then measures how these facial features move through the progress of the smile and calculates the differences in movement between the video clips showing real and fake smiles.

Researchers tested the programme using two different datasets, one containing images of people expressing genuine smiles, and another in which the images portrayed posed smiles.

They found significant differences in the way the subjects' mouths and cheeks moved when comparing the real and the fake expressions.

"We use two main sets of muscles when we smile -- the zygomaticus major, which is responsible for the curling upwards of the mouth, and the orbicularis oculi, which causes crinkling around our eyes," explains Professor Ugail. "In fake smiles it is often only the mouth muscles which move but, as humans, we often don't spot the lack of movement around the eyes. The computer software can spot this much more reliably."

He adds: "An objective way of analysing whether or not a smile is genuine could help us develop improved interactions between computers and humans -- for example in biometric identification. It could also be important to social and clinical scientists aiming to gain more insight into human behaviour and emotion."

If someone is smiling, it means they're happy, right? Well, not always. Sometimes people smile to be polite, or because they want to "appear" happy or friendly for social reasons. How easy is it to spot which smiles are genuine and which are fake?

In the near future, it may be a lot more difficult to make computers believe that you are happy with something when you are actually not. That's because scientists at Britain's University of Bradford have developed software that can reportedly detect phoney smiles.

Understanding the detailed differences between posed and spontaneous smiles is an important topic with a range of applications such as in human-computer interaction, automatic facial emotion analysis and in awareness systems.

During the past decade or so, there have been very promising solutions for accurate automatic recognition and detailed facial emotion analysis. To this end, many methods and techniques have been proposed for distinguishing between spontaneous and posed smiles.

Ms. Juhi Chaudhary

Assistant Professor, CSE Department

SECURE PASSWORD

"With so many details of our life now being stored or managed Online, using strong password is more important than ever"

"Choose strong password with letters, numbers, and special characters to create a mental image or an acronym that is easy for you to remember. Create a different password for each important account, and change passwords regularly." - MIT Information Systems and Technology

Basics

- Use at least eight characters, the more characters the better really, but most people will find anything more than about 15 characters difficult to remember.
- Use a random mixture of characters, upper and lower case, numbers, punctuation, spaces and symbols.
- Don't use a word found in a dictionary, English or foreign.
- Never use the same password twice.

Things to avoid

- Don't just add a single digit or symbol before or after a word. e.g. "apple1"
- Don't double up a single word. e.g. "appleapple"
- Don't simply reverse a word. e.g. "elppa"
- Don't just remove the vowels. e.g. "ppl"
- Key sequences that can easily be repeated. e.g. "qwerty","asdf" etc.
- Don't just garble letters, e.g. converting e to 3, L or i to 1, o to 0. as in "z3r0-10v3"

Tips

Choose a password that you can remember so that you don't need to keep looking it up, this reduces the chance of somebody discovering where you have written it down.

Choose a password that you can type quickly, this reduces the chance of somebody discovering your password by looking over your shoulder.

Bad Password

Don't use passwords based on personal information such as: name, nickname, birthdate, wife's name, pet's name, friends name, home town, phone number, social security number, car registration number, address etc. This includes using just part of your name, or part of your birthdate.
Don't use passwords based on things located near you. Passwords such as "computer", "monitor", "keyboard", "telephone", "printer", etc. are useless.
Don't ever be tempted to use one of those oh so common passwords that are easy to remember but offer no security at all. e.g. "password", "letmein".
Never use a password based on your username, account name, computer name or email address.

Choosing a Password

Use good password generator software.
Use the first letter of each word from a line of a song or poem.
Alternate between one consonant and one or two vowels to produce nonsense words. eg. "taupouti".
Choose two short words and concatenate them together with a punctuation or symbol character between the words. eg. "seat%tree".
You should change your password regularly, I suggest once a month is reasonable for most purposes.

Changing your Password

You should change your password regularly, I suggest once a month is reasonable for most purposes.
You should also change your password whenever you suspect that somebody knows it, or even that they may guess it, perhaps they stood behind you while you typed it in. Remember, don't re-use a password.

Protecting your password

Never store your password on your computer except in an encrypted form. Note that the password cache that comes with windows (.pwl files) is NOT secure, so whenever windows prompts you to "Save password" don't.
Don't tell anyone your password, not even your system administrator
Never send your password via email or other unsecured channel.

Remembering your password

Remembering passwords is always difficult and because of this many people are tempted to write them down on bits of paper. As mentioned above this is a very bad idea. So what can you do?
Use a secure password manager, see the downloads page for a list of a few that won't cost you anything.
Use a text file encrypted with a strong encryption utility.
Choose passwords that you find easier to remember.

Ms. Deepti Aggarwal
Assistant Professor
CSE Department

LITERARY

The good life

When some people talk about money

They say as if they were a mysterious lover

Who went out to buy mill and never

Came back,and it makes me nostalgic

For the years i lived on coffee and bread

Hungry all the time,walking to work on payday,

Like a women journeying for a water,

From a village without a well,then living

One or two nights like everybody else

On roast chicken and red wine.

-Priyanka Sharma

CS III Year

LEISURE

What is this life if, full of care,

We have no time to stand and stare.

No time to stand beneath the boughs

And stare as long as sheep or cows.

No time to see, when woods we pass,

Where squirrels hide their nuts in grass.

No time to see, in broad daylight,

Streams full of stars, like skies at night.

No time to turn at Beauty's glance,

And watch her feet, how they can dance.

No time to wait till her mouth can

Enrich that smile her eyes began.

A poor life this if, full of care,

We have no time to stand and stare.

- Wm. Henry Davies.

The Sad Peacock

Once a beautiful peacock was dancing on a rainy day and enjoying the pleasant weather. While he was busy admiring his plumage, his rough voice reminded him of his own shortcomings. All the joy beaten out of him, he was almost in tears. Suddenly, he heard a nightingale singing nearby.

Listening to the nightingale's sweet voice, his own shortcoming once again became very evident. He began wondering why he was jinxed in such a manner. At that moment, Juno, the leader of the Gods, appeared and addressed the peacock.

"Why are you upset?" Juno asked the peacock.

The peacock complained about his rough voice and how he was sad because of it. "The nightingale has such a beautiful voice. Why don't I?"

After listening to the peacock, Juno explained, "every living being is special in his or her own way. They are and made in a certain manner that serves the greater purpose. Yes, the nightingale is blessed with a beautiful voice, but you are also blessed – with such a beautiful and glittering plumage! The trick is acceptance and making the most of what you have."

The peacock understood how silly he had been in comparing himself to others and forgetting his own blessings. He realized that day that everyone was unique in some way or the other.

Moral of the Story: Self-acceptance is the first step to happiness. Make the best of what you have, rather than being unhappy about what you don't.

DEPARTMENTAL ACTIVITIES

Industrial Visit CETPA INFOTECH

An Industrial visit to "CETPA Infotech. Pvt. Ltd.", Sector 2, Noida, Uttar Pardesh-201301 was organized by the Computer Science & Engineering department of IMSEC, Ghaziabad on Friday, 20th September, 2019. A total of 35 computer Science Students from 3rd year and one faculty member visited CETPA Infotech Pvt. Ltd. to interact with the Software Industry to understand current market scenarios, latest most demanding technologies & criteria for selection etc.

Mr. Vikas Kalra, Director, CETPA Infotech. Pvt. Ltd. conducted hands on practical session on Python and Machine Learning for the students. He also explain need and applications of machine learning to the students. He demonstrated different python concepts like GUI programming with tkinter, database programming with JSON, and Game programming with the help of projects. Technical Session was concluded with Question- Answer session. Many of the students asked different questions on scope of Machine learning, data science and python.

Another session was conducted by **Mr. Abhishek Mishra at Cetpa**. He encouraged students to think of Machine Learning and Data scientist as career options and discussed the opportunities in this field.

The visit came to an end at 1.30 p.m. All Students were dropped at college at 3:00 PM.

It was an informative, interesting and a successful visit.

Mr. Abhishek Mishra - discussing Machine learning technologies

Mr Vikas Kalra, Director, CETPA Discussing Python, Machine Learning etc.

Cyber Security Awareness Program on 23rd Oct 2019 at IMS Engineering College

One day Cyber Security workshop was organized in association with AKTU & UP Police. This workshop was conducted through Innovative Ideas Infotech which is the largest NGO working on Cyber Security across the country.

Programme Instructor:

Mr. Rahul Mishra, Cyber Security Advisor-UP Police

Topics Covered:

- Windows Security
- Stenography technique
- Googling Process
- Data Recovery
- Windows Virtualization
- Keylooger
- Facebook Security
- Detecting emails
- Calls Spooling Fraud
- Case Studies

Total of 227 students from various branches participated in the workshop

“Google Workshop”

A workshop has been organised by Google facilitator Tanya Goel (4th Year) on Machine learning (beginner track) for second and third year students. It was coordinated by Divyansh Shekhar Gaur and Chandan Vishwakarma.

100+ students participated in the workshop which bought a new enthusiasm and motivation in the surroundings.

Workshop on Software Testing

A Workshop on software testing was organized by the Computer Science & Engineering department of IMSEC, Ghaziabad and Pratitech Software Systems on Saturday, 19th October, 2019. A total of 16 computer Science Students from 3rd year have attended the workshop.

Mr. Ashwani Sharma Director, Pratitech Software Systems encouraged students to think software testing as a career option.

Mr. Naresh Sharma covers basics of software testing including manual and automated testing. He explains various software available for software testing including jmeter, load runner, Selenium, UFT, Appscan and Web inspect etc. He conducted hands on practical session on Selenium and Java Eclipse. He demonstrated finding bugs and bug reporting to the students. Technical Session was concluded with Question-Answer session.

Mr Ashwani Sharma, Director, Pratitech Software Systems - discussed Software testing as career option.

Mr. Naresh Gupta - discussed Selenium and Java Eclipse

ABHIGYAN

Abhigyan club of Computer Science and Engineering department of IMSEC organised number of events on 28th sept 2019

Abhigyan provides a platform to students to exhibit their managerial talent by participating in various competitions crafted to showcase their skills, share their thoughts, be the part of various activities, take part in various sort of competitions, and enjoy at the fullest and at the same time win a lot of prizes

This event took place under the guidance of Dr. Pankaj Agarwal (HOD of Computer Science and Engineering). Around 200 students participated in number of events. The events were celebrated with more learning, more fun and more entertainment

Faculty Co-ordinator

Ms. Chandra Pushpanjali Patel

Ms. Anjali Sardana

Following competitions were organized:

- *Tug of War*
- *Just In Minute*
- *Group Discussion*
- *Musical Chair*
- *Ludo King*
- *Pub Ji1*
- *Pub Ji2*
- *Brain Vita*

COMPUTER SCIENCE & ENGINEERING DEPARTMENT
CHRONOS CHRIST UNIVERSITY Delhi-NCR
RUNNER-UP in FOOTBALL

Akash Pandey
3rd Year CS4
(1714310018)

Vishal Rathi
2nd Year CS4
(1814310246)

Jatin Dhariwal
2nd Year CS2
(1814310096)

Congratulations to Our Placed Students

S.No.	Roll No.	Name	Company
1	1614310001	AAYUSHI SINGH	TCS TNQT, Mirketa
2	1614310002	ABHAY MUDGAL	TCS TNQT
3	1614310004	ABHIJEET KUMAR	TCS TNQT
4	1614310009	ABHISHEK KUMAR	TCS TNQT
5	1614310013	ABHISHEK SINGH	VVDN TECHNOLOGIES
6	1614310015	ADITYA DWIVEDI	***TCS codevitA, QA INFOTECH***
7	1614310016	AGRAJ SINGH	***TCS codevita***
8	1614310017	AGRIMA GAUR	TCS TNQT
9	1614310018	AHMAD AFFAN	TCS TNQT
10	1614310020	AKAANKSHA GUPTA	TCS TNQT, TO THE NEW
11	1614310025	AKSHANSH MALIK	TCS TNQT
12	1614310027	AKSHAT BANDOONI	VVDN TECHNOLOGIES
13	1614310032	AMAN PATEL	TO THE NEW
14	1614310033	AMAN RASTOGI	***TCS codevita***
15	1614310040	ANSHUMAN TIWARI	TCS TNQT
16	1614310043	ANUJ MISHRA	QA INFOTECH
17	1614310044	ANURAG SINGH	VVDN TECHNOLOGIES
18	1614310045	ANUSHKA CHAUHAN	TCS TNQT

S.No.	Roll No.	Name	Company
19	1614310048	ARJUN PALIWAL	QA INFOTECH
20	1614310049	AROHI RASTOGI	VVDN TECHNOLOGIES
21	1614310050	ARPIT JAIN	TCS TNQT
22	1614310051	ARYAN SINGHAL	QA INFOTECH
23	1614310052	ASHI GOEL	Mirketa
24	1614310054	ASHUTOSH PIPLANI	TCS TNQT
25	1614310055	ASHUTOSH SINGH	TO THE NEW
26	1614310058	ASTHA GUPTA	TCS TNQT
27	1614310059	ASTHA SINGH	TO THE NEW
28	1614310064	AYUSHI .	Mobilizeaon
29	1614310065	BHARAT .	TO THE NEW, TCS codevita
30	1614310067	DEEPAK JAIN	***TCS codevita***
31	1614310069	DEEPALI SRIVASTAVA	TCS TNQT, TO THE NEW
32	1614310070	DEEPANSHU CHAUDHARY	TCS TNQT
33	1614310075	DIVYANSH SHEKHAR GAUR	***TCS codevita***
34	1614310077	ESHA BANSAL	VVDN TECHNOLOGIES
35	1614310080	GAURAV SINGH	TCS TNQT, INFOSYS
36	1614310082	GURPREET SINGH UPPAL	VVDN TECHNOLOGIES

S.No.	Roll No.	Name	Company
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38	1614310086	HARSHIT BANSAL	TCS TNQT
39	1614310088	HARSHIT GUPTA	TCS TNQT
40	1614310090	HIMANSHU KUSHWAHA	***TCS Codevita, INFOSYS***
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52	1614310119	MOHIT KUMAR	TO THE NEW
53	1614310122	MUSKAN GOEL	TCS TNQT
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57	1614310131	OMPRAKASH DWIVEDI	TCS TNQT
58	1614310134	PRAGATI SHARMA	Mirketa
59	1614310136	PRASHANT KUMAR	TO THE NEW, Mirketa, canary
60	1614310140	PRIYA PATEL	TCS TNQT, TO THE NEW
61	1614310141	PRIYANSH GUPTA	Mobilizeaon
62	1614310150	RAVI PAL	TCS TNQT
63	1614310151	RENUKA SINGH	TCS TNQT
64	1614310160	ROHAN SINGHAL	TCS TNQT
65	1614310167	SANCHIT SINGHAL	***TCS codevita***
66	1614310171	SAPNEET KAUR HORA	TCS TNQT
67	1614310172	SAURABH SHUKLA	TCS TNQT
68	1614310173	SHAGUN SAMANT	TCS TNQT
69	1614310175	SHASHANK SHUKLA	NIIT
70	1614310178	SHIVAM SINGH	VVDN TECHNOLOGIES
71	1614310186	SHRISHTI RAGHAV	VVDN TECHNOLOGIES
72	1614310188	SHUBHAM MISHRA	QA INFOTECH
73	1614310191	SHWETANK TRIPATHI	VVDN TECHNOLOGIES
74	1614310194	SIDDHARTH SINGH	TCS TNQT

S.No.	Roll No.	Name	Company
75	1614310199	SUJATA MISHRA	TCS TNQT
76	1614310200	SURAJ DUBEY	TO THE NEW
77	1614310201	TANYA GOEL	QA INFOTECH
78	1614310202	TEJAS GUPTA	TCS TNQT
79	1614310203	TRIPTI GUPTA	TCS TNQT, NIIT
80	1614310204	TUSHAR BANSAL	TO THE NEW
81	1614310205	UJJWAL KUMAR	TO THE NEW
82	1614310206	UMANG RASTOGI	NIIT
83	1614310210	VAISHNAVI VATS	Mirketa
84	1614310211	VANSH VERMA	VVDN TECHNOLOGIES
85	1614310212	VARTIKA SINGH	Mirketa
86	1614310215	VIBHAV CHATURVEDI	TCS TNQT, Mirketa
87	1614310216	VIJAY MITTAL	TCS TNQT
88	1614310221	VISHAL SHARMA	TCS TNQT, TO THE NEW
89	1614310230	WAQAR AHMAD	TCS TNQT
90	1614310231	YASH BANSAL	TO THE NEW, INFOSYS
91	1614310232	YASH GUPTA	***TCS codevita***
92	1614310233	YASH RAJ TRIPATHI	TCS TNQT

CODING-Q

"Python is a truly wonderful language. When somebody comes up with a good idea it takes about 1 minute and five lines to program something that almost does what you want. Then it takes only an hour to extend the script to 300 lines, after which it still does almost what you want." - Jack Jansen

Question 1

```
r = lambda q: q * 2
s = lambda q: q * 3
x = 2
x = r(x)
x = s(x)
x = r(x)
print x
```

Question 2

```
a = True
b = False
c = False

if not a or b:
        print 1
elif not a or not b and c:
        print 2
elif not a or b or not b and a:
        print 3
else:
        print 4
```

Question 3

```
count = 1

def doThis():

    global count

    for i in (1, 2, 3):
        count += 1

doThis()

print count
```

Question 4

```
counter = {}
def addToCounter(country):
    if country in counter:
        counter[country] += 1
    else:
        counter[country] = 1

addToCounter('China')
addToCounter('Japan')
addToCounter('china')

print len(counter)
```

Question 5

```
a = "hello world "

b = 13

print a + b
```

Question 6

```
data = [x for x in (x for x in 'Geeks 22966 for Geeks' if x.isdigit()) if
(x in ([x for x in range(20)]))]
print(data)
```

Question 7

```
list1 = [1, 2, 3, 4, 5]
list2 = list1

list2[0] = 0;

print "list1= : ", list1 #statement 2
```

Question 8

```
x = 123
for i in x:
    print(i)
```

Question 9

```
str1 = '{2}, {1} and {0}'.format('a', 'b', 'c')
str2 = '{0}{1}{0}'.format('abra', 'cad')
print(str1, str2)
```

Question 10

```
line = "I'll come by then."
eline = ""
for i in line:
        eline += chr(ord(i)+3)
print(eline)
```

Question 11

```
a = 2
b = '3.77'
c = -8
str1 = '{0:.4f} {0:3d} {2} {1}'.format(a, b, c)
print(str1)
```

Question12

```
line = "What will have so will"
L = line.split('a')
for i in L:
        print(i, end=' ')
```

Question13

```
my_string = 'hello_world!! '
for i in range(len(my_string)):
        print (my_string)
        my_string = 'a'
```

Question14

```
D = dict()
for x in enumerate(range(2)):
        D[x[0]] = x[1]
        D[x[1]+7] = x[0]
print(D)
```

Question15

```
D = {1 : {'A' : {1 : "A"}, 2 : "B"}, 3 :"C", 'B' : "D", "D": 'E'}
print(D[D[D[1][2]]], end = " ")
print(D[D[1]["A"][2]])
```

Ans1.

24

Explanation : In the above program r and s are lambda functions or anonymous functions and q is the argument to both of the functions. In first step we have initialized x to 2. In second step we have passed x as argument to the lambda function r, this will return x*2 which is stored in x. That is, x = 4 now. Similarly in third step we have passed x to lambda function s, So x = 4*3. i.e, x = 12 now. Again in the last step, x is multiplied by 2 by passing it to function r. Therefore, x = 24.

Ans2.

3

Explanation: In Python the precedence order is first NOT then AND and in last OR. So the if condition and second elif condition evaluates to False while third elif condition is evaluated to be True resulting in 3 as output.

Ans3.

4

Explanation: The variable count declared outside the function is global variable and also the count variable being referenced in the function is the same global variable defined outside of the function. So, the changes made to variable in the function is reflected to the original variable. So, the output of the program is 4.

Ans4.

3

Explanation: The task of "len" function is to return number of keys in a dictionary. Here 3 keys are added to the dictionary "country" using the "addToCounter" function.
Please note carefully – The keys to a dictionary are **case sensitive.**

Ans5.

An error is shown

Explanation : As you can see the variable 'b' is of type integer and the variable 'a' is of type string. Also as Python is a strongly typed language we cannot simply concatenate an integer with a string.

We have to first convert the integer variable to the type string to concatenate it with a string variable. So, trying to concatenate an integer variable to a string variable, an exception of type “TypeError” is occurred.

Ans6.

[]

Explanation: Since here x have not been converted to int, the condition in the if statement fails and therefore, the list remains empty.

Ans7.

list1= : [0, 2, 3, 4, 5]

Explanation:
In this problem, we have provided a reference to the list1 with another name list2 but these two lists are same which have two references(list1 and list2). So any alteration with list2 will affect the original list.

Ans8.

Error

Explanation:
Objects of type int are not iterable instead a list, dictionary or a tuple should be used.

Ans9.

c, b and a abracadabra

Explanation: String function format takes a format string and an arbitrary set of positional and keyword arguments. For str1 ‘a’ has index 2, ‘b’ index 1 and ‘c’ index 0. str2 has only two indices 0 and 1. Index 0 is used twice at 1st and 3rd time.

Ans10.

L*oo#frph#e|#wkhq1

Explanation: This piece of code ciphers the plain text. Each character is moved to its 3rd next character by increasing the ascii value. ‘I’ becomes ‘L’, thus option (c) and (d) are ruled out. ‘ ‘ has

ascii value of 32, thus it'll become 35('#'), thus option (a) is ruled out as, ' ' can not remain to be ' ' in the ciphered text.

Ans11.

2.0000 2 -8 3.77

Explanation: At Index 0, integer a is formatted into a float with 4 decimal points, thus 2.0000. At Index 0, a = 2 is formatted into a integer, thus it remains to 2. Index 2 and 1 values are picked next, which are -8 and 3.77 respectively.

Ans12.

Wh t will h ve so will

Explanation: split() will use 'a' as the delimiter. It'll create parition at 'a', thus split() return an array L, which is in ['Wh', 't will h', 've so will']. For loop will print the elements of the list.

Ans13.

hello_world!!a a a a a a a a a a a a

Explanation: String is modified only after 'geeksforgeeks' has been printed once.

Ans14.

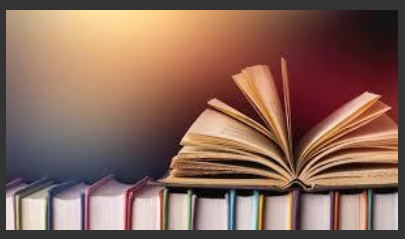
{0: 0, 7: 0, 1: 1, 8: 1}

Explanation: enumerate() will return a tuple, the loop will have x = (0, 0), (1, 1). Thus D[0] = 0, D[1] = 1, D[0 + 7] = D[7] = 0 and D[1 + 7] = D[8] = 1.
Note: Dictionary is unordered, so the sequence of the key-value pair may differ in each output.

Ans15.

E KeyError

Explanation: Key-Value Indexing is used in the example above. D[1] = {'A' : {1 : "A"}, 2 : "B"}, D[1][2] = "B", D[D[1][2]] = D["B"] = "D" and D["D"] = "E". D[1] = {'A' : {1 : "A"}, 2 : "B"}, D[1]["A"] = {1 : "A"} and D[1]["A"][2] doesn't exists, thus KeyError.



Current Affairs Quiz

Q1

The SPG cover will now only be provided to which among the following?
a) President of India
b) Vice President of India
c) Prime Minister of India
d) Chief Justice of India

Q2

Which nation has objected the inclusion of Kalapani in the new political map of India?
a) China
b) Bhutan
c) Nepal
d) Myanmar

Q3

Which Indian batsman created the historic record of playing 100th T20 International match?
a) Virat Kohli
b) Rohit Sharma
c) Shikhar Dhawan
d) MS Dhoni

Q4

Which among the following bodies recommended the central government to pay compensation to the daily-wage labourers after construction ban in Delhi?
a) Supreme Court
b) Delhi HC
c) NGT
d) Delhi Government

When is the World Cities Day observed globally every year?
a) 28th October
b) 29th October
c) 30th October
d) 31st October

Which category of citizens was recently allowed by the PFRDA to enroll in National Pension Scheme (NPS)?
a) Overseas Citizens of India
b) Scheduled Castes & Tribes
c) Senior Retired Citizens
d) None of the above

How many days IRCTC's Special Buddha Circuit train will take to complete its journey?
a. Eight
b. Nine
c. Ten
d. Eleven

How many women astronauts did a spacewalk, without a male astronaut, for the first time in the history of Space?
a. Two
b. Three
c. Four
d. Five

What is the name of Oracle's CEO who was recently passed away?
a. Jerem Dumini
b. Mark Hurd
c. Joseph Ilnis
d. Robert Dwen

Q5

Q6

Q7

Q8

Q9

Q10

Which state has topped the list of crimes against women as per the latest report released by NCRB?
a) Bihar
b) Uttar Pradesh
c) Haryana
d) Rajasthan

Q11

Which country has stopped the postal services with India?
a) Nepal
b) China
c) Bangladesh
d) Pakistan

Q12

The Government Employees of which Union Territory will now get all 7th CPC Allowances from 31st October 2019?
a) Goa
b) Jammu & Kashmir
c) Arunachal Pradesh
d) Daman & Diu

Q13

Which badminton player recently supported the 'Bharat Ki Laxmi' campaign of Prime Minister Narendra Modi?
a) Saina Nehwal
b) Jwala Gutta
c) PV Sindhu
d) Ashwini Ponappa

Q14

Who has become the first girl student to win President of India Prize?

a) Subimal Ghosh
b) Lipi Thukral
c) Kavitha Gopal
d) Divya Agrawal

Who was awarded the GN Ramachandran Gold Medal by President Ram Nath Kovind?
a) Prof. Amitabha Chattopadhyay
b) Dr Amol Prakash
c) Dr Bodhisatwa Hazra
d) Dr Prabhat Ranjan Prem

Which state topped the 'School Education Quality Index' released by NITI Aayog?
a) Uttar Pradesh
b) Bihar
c) Kerala
d) Punjab

When is International Coffee Day celebrated?
a) October 1st
b) October 2nd
c) October 3rd
d) October 4th

Which birth anniversary of Father of the Nation Mahatma Gandhi is being celebrated on October 02, 2019?
a) 150
b) 160
c) 170
d) 180

When International Day for the Eradication of Poverty is observed?
a. 16 October
b. 17 October
c. 18 October
d. 19 October

Which scheme has been launched by the Central Government to encourage girl students to pursue STEM education?
a. Jyoti Anand Yojana
b. Vigyan Jyoti Yojana
c. Naari Kalyan Yojana

Answers

1. (c) Prime Minister

The Union Government has withdrawn the SPG security cover provided to the Gandhi family. PM Narendra Modi will now be the only person to be provided with SPG cover.

2. (c) Nepal

Nepal has raised objections to the inclusion of Kalapani in India's new political map. Nepal claims Kalapani to be a part of its territory, while India claims it to be a part of Uttarakhand.

3. (b) Rohit Sharma

Rohit Sharma has created a new record by becoming the first male Indian cricketer to play 100th T20Is. Harmanpreet Kaur is the only other Indian cricketer to have played 100 T20 cricket matches before him.

4. (c) NGT

The National Green Tribunal has recommended the central government to pay stipend or compensation to the daily-wage labourers after the Supreme Court mandated a ban on all construction activities in Delhi to combat the issue to severe air pollution levels.

5. (d) 31st October

The World Cities Day is celebrated every year on October 31, 2019. The celebrations are focussed on the general theme 'Better City, Better Life'. The theme of 2019 World Cities Day will be "Changing the world: innovations and better life for future generations".

6. (a) Overseas Citizens of India

The Pension Fund Regulatory and Development Authority (PFRDA) on October 30, 2019 permitted the Overseas Citizen of India (OCI) to enroll in the National Pension Scheme (NPS) at par with the NRIs.

7. (a) Eight

IRCTC has started Special Buddha Circuit Train to connect all Buddha pilgrimages. This train is equipped with modern facilities and will travel to 26 places in eight days.

8. (a) Two

NASA's Christina Koch and Jessica Meir have made a world record with their spacewalk which was organized without a male companion. It was the fourth spacewalk of Christina Koch while first of Jessica Meer.

9. (b) Mark Hurd

Oracle co-CEO Mark Hurd died at the age of 62. He was also the CEO of HP before this position. During his tenure, there was a 37% increase in annual profits of Oracle shares.

10. (b) Uttar Pradesh

National Crime Records Bureau (NCRB) has released a report on criminal cases happened in India. The report reveals that in India has registered total 3,59,849 cases in 2017-18. While Uttar Pradesh topped the list with 56,011 cases, Maharashtra (31979 cases) and West Bengal (30,002 cases) appeared on the second and third positions in the list.

Answers

11. (d) Pakistan
Pakistan has stopped postal mail services between the two countries. This has happened for the first time in history after the partition of India and Pakistan. Despite so much tension between the two countries, this service was never stopped

12. (b) Jammu & Kashmir
Union Home Minister Amit Shah recently approved the proposal wherein the Government employees of Union Territories of Jammu & Kashmir and Ladakh will now get all 7th CPC allowances with effect from October 31, 2019.

13. (c) PV Sindhu
Indian badminton player PV Sindhu has supported the 'Bharat Ki Laxmi' campaign of Prime Minister Narendra Modi. She released a video in which Bollywood actress Deepika Padukone is also supporting the campaign.

14. (c) Kavitha Gopal
Kavitha Gopal has made history by becoming the first girl student in IIT Madras to win the President of India Prize. Previously, only male students had ever won the prize.

15. (a) Prof. Amitabha Chattopadhyay
The President presented the GN Ramachandran Gold Medal to Prof. Amitabha Chattopadhyay of CSIR-CCMB.

16. (c) Kerala
Kerala topped the 'School Education Quality Index', which was recently launched by NITI Aayog. Rajasthan was at second position and Karnataka was at third position on the list. NITI Aayog prepared this index on the basis of 2016-17 data.

17. (a) October 1
The International Coffee Day is celebrated on October 1. It is an occasion that is used to promote and celebrate coffee and its importance. International Coffee Organisation (ICO) has marked the day as an International Day in 2014. It is believed that Coffee is the second most traded commodity after crude oil.

18. (a) 150
The nation is celebrating the 150th birth anniversary of Father of the Nation Mahatma Gandhi on 02 October 2019. On the 150th birth anniversary of Mahatma Gandhi, many programs will be held across the country and the world.

19. (b) 17 October
The main objective of this day is to create awareness about the efforts being made to eradicate poverty from the world community. The International Poverty Eradication Day was announced by the United Nations on 22 October 1992.

20. (b) Vigyan Jyoti Yojana
Through this scheme, 100 girls from 550 districts will be trained by the year 2020-2025. The qualified students will be chosen according to their marks in the exams. Girls from class 9 to 12 will be included under this scheme.

UPCOMING EVENTS

UPCOMING EVENTS

Upcoming Engineering Events

Start Date	Fest Name	College Name	City/State
Sun, 17 Nov '19	Digital Marketing Workshop in IIM Lucknow Campur	makeintern.com EVENT TYPE Seminars, Others, Literature, Conferences, Technical, Entrepreneurship, Training / In...more	Indian Institute of Management Lucknow, IIM Road, Prabandh Nagar, Mubarakpur, Lucknow, Uttar Pradesh, India
Fri, 03 Jan '20	Techfest Workshop Ultrasonic Testing	IIT Bombay (Indian Institute of Technology), Bombay, Maharashtra EVENT TYPE Workshop	Techfest, SAC, IIT, IIT Area, Powai, Mumbai, Maharashtra, India
Sun, 05 Jan '20	Techfest Workshop Alexa Everywhere	IIT Bombay (Indian Institute of Technology), Bombay, Maharashtra EVENT TYPE Workshop	Techfest, SAC, IIT, IIT Area, Powai, Mumbai, Maharashtra, India
Fri, 28 Feb '20	Biznest	O P Jindal Global University, Sonipat, Haryana EVENT TYPE Fun & Other Events, Conferences, Online Events, Management, Concert, Cultural	O.P. Jindal Global University, Sonipat, Haryana, India
Thu, 14 Nov '19	Palo alto networks training	Mindmajix EVENT TYPE Training / Internship, Online Events, Workshop	Hyderabad, Telangana, India
Thu, 14 Nov '19	devops training in hyderabad | online training	mindmajix EVENT TYPE Training / Internship, Online Events, Workshop	Hyderabad, Telangana, India
Sun, 01 Dec '19	yoga teacher training in india	shivoham yoga school EVENT TYPE Workshop	Shivoham Yoga School ,Goa, bridge and tunnel, Palolem, Canacona, Goa, India
Wed, 13 Nov '19	Advanced Research Publications Technology Management	ADR Publications & Distributions EVENT TYPE Online Events, General, Management	Uttar Pradesh 201014, India

Fri, 24 Jan '20	Spring Fest, IIT Kharagpur	IIT Kharagpur (Indian Institute Of Technology), Kharagpur, West Bengal EVENT TYPE Literature, Hobbies & Interest, Fun & Other Events, Online Events, Workshop, Accommod...more	IIT kharagpur, Kharagpur, West Bengal, India
Sat, 04 Jan '20	Techfest Workshop Digital Marketing	IIT Bombay (Indian Institute of Technology), Bombay, Maharashtra EVENT TYPE Workshop	Techfest, SAC, IIT, IIT Area, Powai, Mumbai, Maharashtra, India
Fri, 03 Jan '20	Techfest Workshop Cybersecurity	IIT Bombay (Indian Institute of Technology), Bombay, Maharashtra EVENT TYPE Workshop	Techfest, SAC, IIT, IIT Area, Powai, Mumbai, Maharashtra, India
Fri, 10 Jan '20	ZEAL	Guru Nanak College of Arts, Science and Commerce. EVENT TYPE Fun & Other Events, Hobbies & Interest, Gaming, Cultural, Sports	Mumbai, Maharashtra, India
Fri, 28 Feb '20	UHackathon2.0	University Of Petroleum and Energy Studies. EVENT TYPE Technical	University of petroleum and energy studies, bidholi campus, Deheradun Township-Bidholi- Majhaun Road, Township, Misraspatti, Uttarakhand, India

ATOS IT Challenge 2020 | Cooperative Artificial Intelligence

ATOS IT Challenge 2020

ATOS has announced ATOS IT Challenge 2020 – Cooperative Artificial Intelligence for students who are currently enrolled at university or in an engineering school for the academic year 2019-20. This competition is open to all the nationals. Selected students will get an chance to grab internship in ATOS.

The objective of this contest is to promote and encourage innovation in an open environment amongst best-in-class Universities and students and to support young innovators in taking their solution forward. we are looking for participants to come up with an innovative use case and build a prototype which demonstrates Cooperative Artificial Intelligence.

Eligibility Criteria:

- The contest is **open to students** enrolled at university or in an engineering school during the academic year 2019-2020, from any grade.

- Each University or school will be able to present as many teams as they want, but each **team** will have to be composed by a **minimum** of **2** and a **maximum** of **4 members**.

Important Dates:

- **Formal Submission of the idea:** (November 30,2019)
- **Pre-selection decision** (End of December 2019)
- **Development Phase:** (Dec, 2019 – April, 2020)
- **Presentation of solution** (April, 2020 – May, 2020)
- **Selection decision**: (June, 2020)
- **Award Ceremony**: (July, 2020)

Prizes:

The final Jury will select 1 winner and 2 finalists:

- 1st Prize: €10,000
- 2nd Prize: €5,000
- 3rd Prize: €3,000

Atos will also appoint a special "IT Challenge" HR point of contact, for those members of the winning and finalist teams that may wish to apply directly for an employment opportunity within Atos.

HIRING CHALLENGES

1.

Airbus Off Campus Recruitment | Aerothon 2.0 | National-level Hackathon

AIRBUS Aerothon 2.0 | National-level Hackathon 2019 Airbus is organizing National Level Hackathon 2019 For the recruitment of freshers and experienced candidates across India. Candidates...

https://apuzz.com/airbus-off-campus-recruitment/

2.Cisco Off Campus Recruitment Process

- Cisco Off Campus Recruitment process is looking to hire **2020 graduates** for three roles: Software Engineer, Hardware Engineer, and Consulting Engineer
- 2020 Passing out students from the related fields can apply for **Cisco Off Campus Drive for 2020 batch**
- The Cisco Off Campus Recruitment process involves **three stages:** Online Test, Technical Interview, and HR interview
- The minimum requirement for Cisco Off Campus Recruitment process is **8.5 GPA** for Software Engineer and Consulting Engineer roles, and **8.0 GPA** for Hardware Engineer role

- Although the cutoff mark in Cisco online test questions is not fixed, the average cutoff mark is expected to **70 to 80%**

Cisco Test Pattern:

Sections	No. Of Questions	Duration (in mins)
Aptitude	20	30
Technical	30	30

Note: There is no negative marking

For Registration: **https://jobs.cisco.com/jobs/ProjectDetail/Software-Engineer-New-Grad-India-UHR/1267296**

Upcoming Programmes for faculty

Conferences:

1. International Conference on Recent Advances in Engineering, Technology and Science (ICRAETS)

Venue: , New Delhi , New Delhi , India

Starting Date: 05th Jan 2020

Ending Date: 05th Jan 2020

About the Event/Conference : The key intention of ICRAETS is to provide opportunity for the global participants to share their ideas and experience in person with their peers expected to join from different parts on the world. In addition this gathering will help the delegates to establish research or business relations as well as to find international linkage for future collaborations in their career path. We hope that ICRAETS outcome will lead to significant contributions to the knowledge base in these up-to-date scientific fields in scope.

Organized by: Arsss

Deadline for abstracts/proposals: 11th Dec 2019

Contact Person: Conference Coordinator

Event enquiries email address: info.arsss@gmail.com

Website: http://arsss.org/Conference2020/1/NewDelhi/ICRAETS/

2. International Conference on Big Data, IoT, Cyber Security and Information Technology (ICBDICSIT)

Venue: , New Delhi , New Delhi , India

Starting Date: 12th Jan 2020

Ending Date: 12th Jan 2020

About the Event/Conference : The aim objective of ICBDICSIT is to provide a world class platform to present and discuss all the latest research and results of scientists related Big Data, IoT, Cyber Security and Information Technology. This conference provides opportunities for the different areas delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration. We hope that the conference results constituted significant contribution to the knowledge in these up to date scientific field. The organizing committee of conference is pleased to invite prospective authors to submit their original manuscripts to ICBDICSIT 2019. The conference will be held every year to make it an ideal platform for people to share views and experiences in Computer Science and Information Technology related areas.

Organized by: Iraj

Deadline for abstracts/proposals: 18th Dec 2019

Contact Person: Conference Coordinator

Event enquiries email address: papers.iraj@gmail.com

Website: http://iraj.in/Conference2020/1/NewDelhi/1/ICBDICSIT/

3. International Conference on Robotics, Automation and Communication Engineering (ICRACE-2020)

Venue: , New Delhi , New Delhi , India

Starting Date: 19th Jan 2020

Ending Date: 20th Jan 2020

About the Event/Conference : The ICRACE conference is an international forum for the presentation of technological advances and research results in the fields of Robotics, Automation and Communication Engineering. The conference will bring together leading researchers, engineers and scientists in the domain of interest from around the world. We warmly welcome previous and prospected authors submit your new research papers to ICRACE, and share the valuable experiences with the scientist and scholars around the world.

Organized by: scienceplus

Deadline for abstracts/proposals: 25th Dec 2019

Contact Person: Conference Coordinator

Event enquiries email address: papers.scienceplus@gmail.com

Website: http://scienceplus.us/Conference2020/1/NewDelhi/ICRACE/

4. ISERD – 781st International Conference on Recent Innovations in Engineering and Technology (ICRIET)

Venue: , New Delhi , New Delhi , India

Starting Date: 28th Feb 2020

Ending Date: 29th Feb 2020

About the Event/Conference : ISERD – 781st International Conference on Recent Innovations in Engineering and Technology (ICRIET) aimed at presenting current research being carried out in that area and scheduled to be held on 28th - 29th February, 2020 in New Delhi, India. The idea of the conference is for the scientists, scholars, engineers and students from the Universities all around the world and the industry to present ongoing research activities, and hence to foster research relations between the Universities and the industry. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

Organized by: ISERD

Deadline for abstracts/proposals: 20th Jan 2020

Contact Person: Conference Coordinator

Event enquiries email address: info@iserd.co

Website: http://iserd.co/Conference2020/India/3/ICRIET/

Faculty Development Program:

- A Faculty Development Programme (FDP) on "Artificial Intelligence and Deep Learning" from 18th to 23rd November 2019 organized by Electronics and ICT Academy, NIT Warangal at Pragati Engineering College (Autonomous), Surampalem
- A Faculty Development Programme (FDP) on "Machine Learning in Image and Computer Vision Applications" from 25th – 30th November, 2019 organized by Electronics and ICT Academy, NIT Warangal at Vardhaman College of Engineering (Autonomous), Shamshabad, Hyderabad
- A Faculty Development Programme (FDP) on "IoT for Smart Cities: Use Cases" from 25th – 30th November, 2019 organized by Electronics and ICT Academy, NIT Warangal at Bapatla Engineering College, Bapatla

- A Faculty Development Programme (FDP) on "Deep Learning and its Applications" from 25th – 30th November, 2019 organized by Electronics and ICT Academy, NIT Warangal at Vasavi College of Engineering (Autonomous), Hyderabad
- A Faculty Development Programme (FDP) on "Machine Learning & Artificial Intelligence" from 2nd – 7th December 2019 organized by Electronics and ICT Academy, NIT Warangal at Sphoorthy Engineering College, Hyderabad
- A Faculty Development Programme (FDP) on "Internet of Things" from 9th – 14th December 2019 organized by Electronics and ICT Academy, NIT Warangal at Sri Venkateswara College Of Engineering and Technology, Srikakulam
- A Faculty Development Programme (FDP) on "Trends in SoC Design & Its Applications" from 9th – 14th December 2019 organized by Electronics and ICT Academy, NIT Warangal at Vasavi College of Engineering (Autonomous), Hyderabad
- A Faculty Development Programme (FDP) on "BIOMEDICAL SIGNAL PROCESSING" from 11th to 16th December 2019 organized by Department of ECE in association with Electronics and ICT Academy, NIT Warangal Last date for receiving the applications is extended to 28th November, 2019
- A Faculty Development Programme (FDP) on "Machine Learning and its Applications in Signal Processing" from 16th – 21st December, 2019 organized by Electronics and ICT Academy, NIT Warangal at Bharat Institute of Engineering and Technology, Hyderabad
- A Faculty Development Programme (FDP) on "Computational Approach in Big Data Analytics Applications" from 16th – 21st December, 2019 organized by Electronics and ICT Academy, NIT Warangal at Vasavi College of Engineering (Autonomous), Hyderabad

Dear Readers,

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