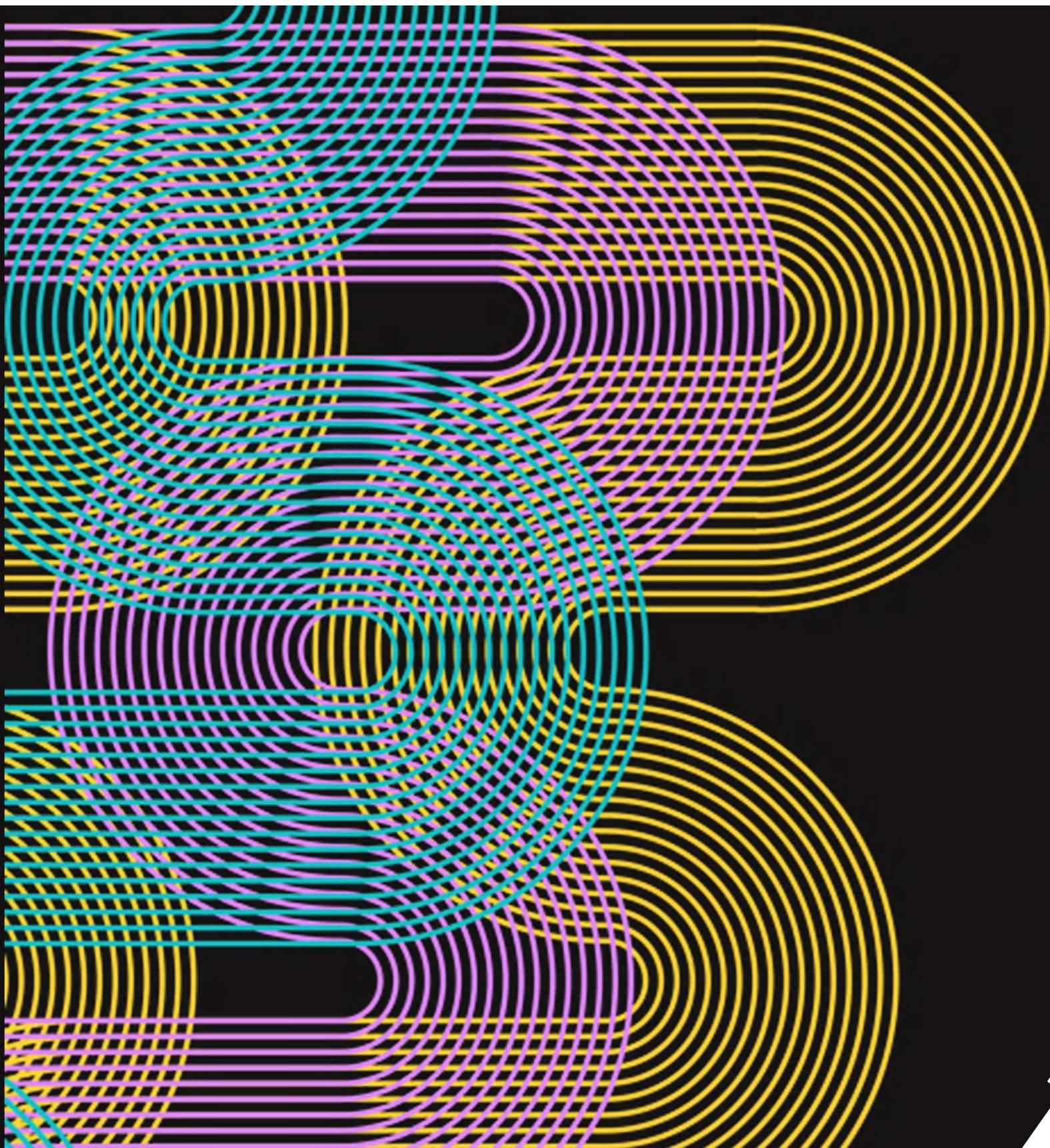




PURBIT

developing minds...

Department of Computer Science & Engineering
Dr. Akhilesh Das Gupta Institute
of Technology & Management
FC - 26, Shastri Park, New Delhi



Department of Computer Science & Engineering
Departmental
Magzine

Mrs. Alka Das Gupta

Chairperson
BBD Group of Education



Message from Chairperson

The Department of Computer Science & Engineering has always been the gem of the Dr. Akhilesh Das Gupta Institute of Technology and Management. The perennial zeal of the Department has never left the achievements stagnant. The Department not only gives students the exposure to the regular engineering curriculum but also to the aspirations of today's corporate world, thus inculcating a professional aptitude in them. The dedication of the faculty members has strengthened the learning process ensuring an environment of collaboration, experimentation, imagination, and creativity. It is such a prodigious delight in watching the students cutting edge in technical exploration, enhancing their analytical skills and brushing themselves up for the rapidly changing sector, and establishing themselves as entrepreneurs and engineers.

The Department has always reached new heights and I am looking forward to more wonders and achievements. I wish the very best to the Department of CSE for the launch of the third volume of QUBIT, the official magazine of the Department. The magazine beautifully provides an overview of academic programs, research activities, various laboratories, training and the other fields explored by our faculty members and students.

Shri. Viraj Sagar Das

President
BBD Group



Message from President

I am extremely happy to witness the shaping up of the forth volume of QUBIT.

A special mention to the Editorial Board, who were able to capture the noteworthy proceedings of the CSE Department of Dr. Akhilesh Das Gupta Institute of Technology and Management and were also able to present it in an alluring manner. I thoroughly enjoyed myself going through the pages of this magazine.

This issue of the magazine is an insight to what campus life truly means, the surfeit events together represent the opportunities that one can take and augment their personalities up to the brim and be glorious predominantly.

I hope students and faculty members find this Edition as sound as I did. I congratulate the Department and the Editorial Board for this achievement.

Shri. S. N. Garg

Chief Executive Officer
ADGITM, New Delhi



Message from CEO

Even after so many batches passing under my supervision, the joy and happiness remain constant. ADGITM is exemplary both from the point of view of merit as well as from the placement perspective. Our students have been placed in the best organisations of the country and we strive to maintain such decorum by which the students are benefited the most. With an aim to remain quality conscious, ADGITM has put in efforts for providing the best industrial exposure along with a professionally ethical environment, where one can develop himself / herself on multiple levels. As technology is advancing at a very rapid rate, we have an experienced and well-qualified faculty panel to adjust to the market requirements and guide the students as and when required. The only way to become technically stimulated is by receiving the proper exposure to the world and that is what we inculcate in our students. Our institution is technology-friendly and we don't restrain students from experimenting new technologies and work styles that are how we inculcate self-reliance and tech-savvy mind.

Prof. (Dr.) Sanjay Kumar

**Director
ADGITM, New Delhi**



Message from Director

"Engineering is not only the study of the technical subjects, but it is about living an intellectual life." As the Director of Dr. Akhilesh Das Gupta Institute of Technology and Management, I strongly believe that education is not only about imparting knowledge but more about opening the individual's mind to self-expression. I have been personally encouraging students to develop an overall sensibility and awareness. Encouraging them to, not try, but make it happen. I saw an overwhelming response by the students in not only technical domain but also in the branch of sports, art, dance, Photography, music and a lot more. Students are our partners in our mission to set a new benchmark in the field of engineering. I am confident that with such a positive and progressive attitude they would be able to justify the credibility of the Department as well as the college by bringing laurels and what not.

I am immensely proud to observe a team of such enthusiasts. The fourth volume of the magazine of the Department of Computer Science and Engineering - QUBIT, has been able to make a count of all the achievements, hard work and dedication of the faculty members and students alike. I wish them luck.

Prof. (Dr.) Saurabh Gupta

**Head - CSE Department
ADGITM, New Delhi**



Message from HOD

Congratulations to the students and faculty associated to magazine committee for successfully publishing the fourth issue of departmental magazine QUBIT. QUBIT is creating platform which provides an opportunity to the students and staff to express their original thoughts on technical topics.

The magazine plays an instrumental role in providing exposure to the students to develop written communication skills and command over the language. It is a step towards building professional and ethical attitude in them. The entire journey of creating QUBIT is an outcome of rigorous effort made by students and faculty. Students not only gain the knowledge about the latest technological developments and advancements through reading and writing articles but they also develop verbal and written communication skills.

This issue has expanded its scope by introducing articles by major stakeholders. Apart from students and faculty, inputs have been collected from alumni, parents and industry experts.

On concluding note, I would like to thank all the stakeholders for their involvement and encouragement and wish all the best for their bright future.

Mr. Dhyanendra Jain

**Faculty Incharge, CSE Department
QUBIT**



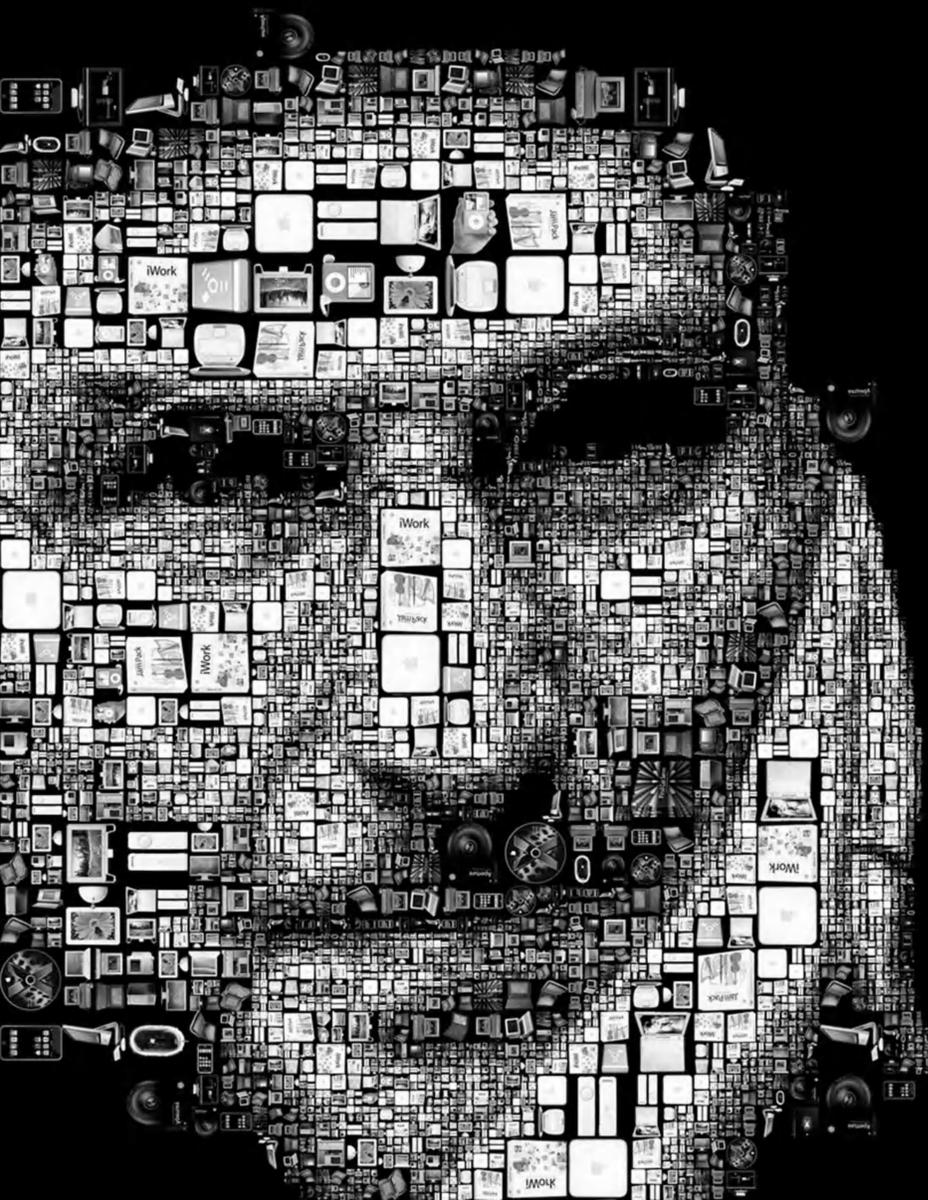
Message from Faculty Incharge

This is the fourth issue of the department magazine. As the leader of the department magazine, QUBIT, this issue is particularly special to me as it was a challenge to not only live up to the standards set by the previous issue but also set new ones. QUBIT is all about the technology that inspires students to do something, that leaves an everlasting mark on the world of technology. Thus it was our job to ensure inspiring technological developments are being brought to the students of Computer Science, by the students of Computer Science itself. Since the team was experienced, having worked on the third issue of the magazine, they knew exactly what had to be done and how it had to be done. I think we were lucky that we retained all members from the team behind the first issue. Everything from collection of articles right down to the final edits was more or less smooth sailing. I worked closely with the team to ensure everything was done according to a schedule. The work was performed in an organised, almost professional manner and credits to my entire QUBIT team, for their commendable job. I would also like to thank every member of the QUBIT team, without whose contribution, this issue would not have been possible. I hope you enjoy reading this magazine as much as I enjoyed working towards its creation and more importantly I hope that the articles in this magazine inspire you.

Department of Computer Science came into existence with the establishment of the Institute in 2003.

The department aims at providing quality education in Computer Science. Department of Computer Science works as the controlling center of computing for the entire institute. The department offers B. Tech. (CSE), a full-time course of 4 year duration, with an intake of 180 students (both shifts combined).

The department functions as a Nodal agency for the department wide networking across the entire Institute and provides internet connectivity to various departments through its servers, radio links, and switches.



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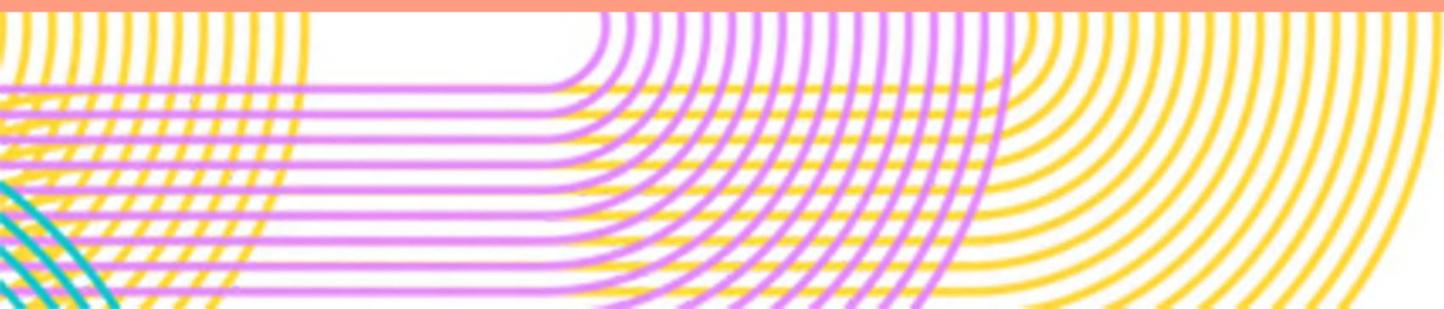
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EVENTS



EVENT - CODING WARS

Coding wars, a C++ based on-spot coding competition was organised by the CSE department. Students showed a great zeal in solving the problems, and providing efficient solutions through their codes. The event proved to be a huge success as well as a source of introduction to a wide array of coding applications to the students



The CSE and IT Department organized an Alumni Talk on 5th October 2018. Some of ex-ADGITMians attended the meet with nostalgia and happy faces being the chief guests. The event was graced by the presence of 3 alumni speakers,

- Mr. Vinay Goyal- Head Analyst, Xeng Pvt. Ltd.
- Ashita Diwan- Developer, Sapient Gurgaon
- Mr. Ayush Ojha- Senior Software Engineer- Digital Transformatin, Sopra Steria

The event was another successful one for the CSE and IT department, filled with an immense plethora of knowledge and positivity.



In collaboration with NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH (NITTTR), CHANDIGARH, 3 - 7 Dec 2018.

ADGITM was one of the remote nodal centre & faculty members of CSE department participated in the session.

The objective of the FDP is

- To train the technical staff and system administrators in free Open Source Technologies and Tools. It is to provide an opportunity for the participants to get trained in the possible deployment of advanced services, techniques and tools.
- To incorporate the latest technology in the area of software.

The entire five day program was divided into certain modules which covers certain relevant areas of Open Source Technologies such as:

Day 1: Overview of Open Source, Open Source Scenario and Application Software's

Day 2: Citation and Reference Management using Mendeley ,Data Science and Data Mining Algorithms

Day 3: Implementation of Data Science and Data Mining Algorithms using WEKA

Day 4: Scientific and Technical Writing using open source Latex,Open Source Libraries for Machine and Deep Learning

Day 5: Implementation of Machine and Deep Learning Libraries Statistics and Data Analysis using Open source

The session was attended by all the faculty members of the department and was very fruitful.

EVENT - INDUSTRIAL VISIT TO CISCO NETWORKING LAB AT NETWORKBULLS

On 12th February, 2019, Students of 3rd year went on an Industrial Visit at CratorZone Pvt. Ltd. It was a great experience for the students. They came to know the basics of the networking.

Networking, also known as computer networking, is the practice of transporting and exchanging data between nodes over a shared medium in an information system. Networking comprises not only the design, construction and use of a network, but also the management, maintenance and operation of the network infrastructure, software and policies.

The visit was divided in two sessions, Theory Session of two hours and practical session of one hour.

Theory Session:

- The students interacted with the trainer & were guided about networking basics and CISCO networking tools.

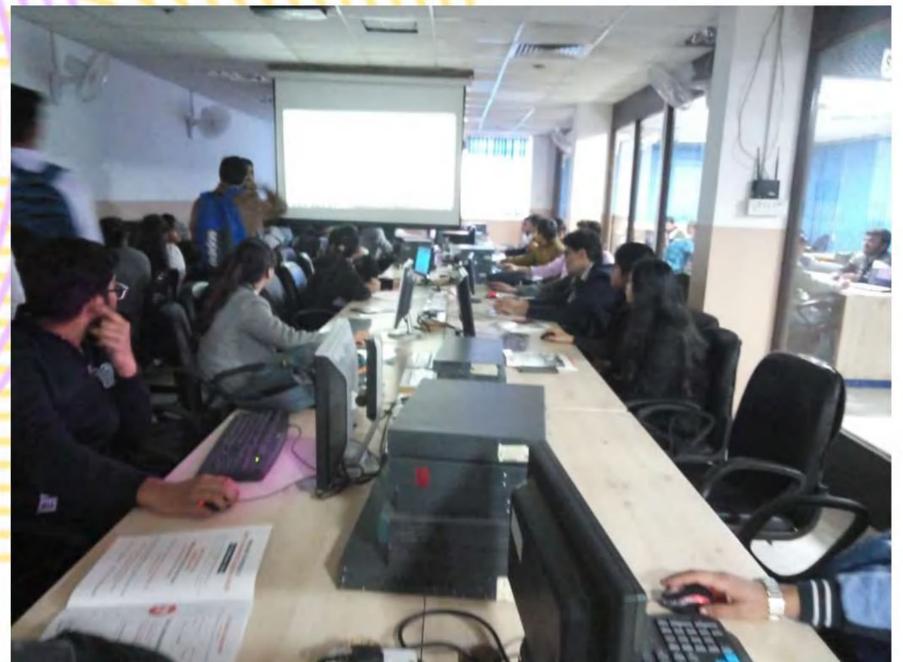
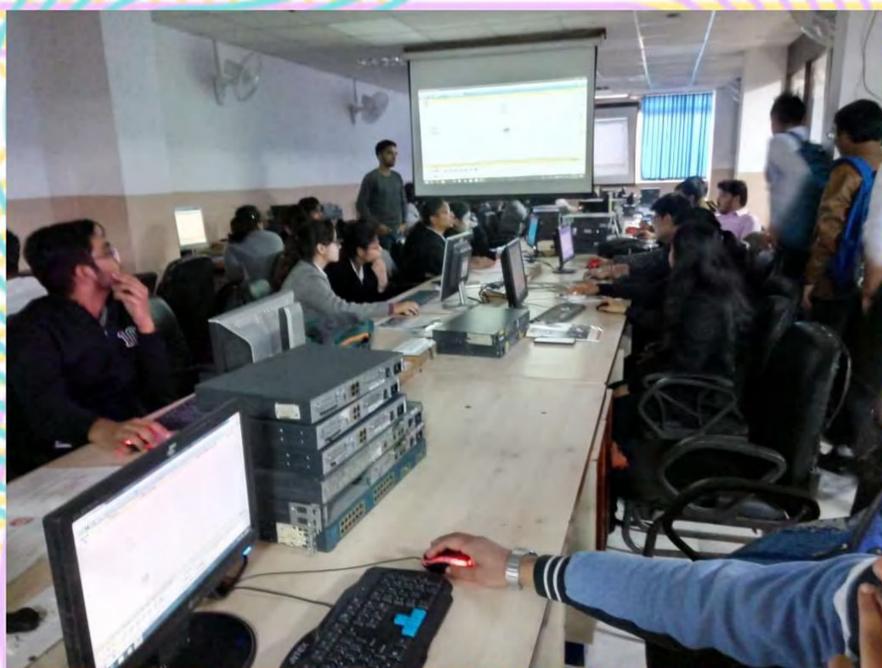
Practical Session:

- Hands-on practical on CISCO Packet Tracer.
- Simulating a local network and passing a packet via the whole network.
- Simulation of DHCP connection.

Outcomes:

Students got exposure of different networking devices. Students got hand-on experience of creating local area networks & routing the packet over network using Packet Tracer software. Students also learned simulating DHCP connection.

EVENT - INDUSTRIAL VISIT TO CISCO NETWORKING LAB AT NETWORKBULLS



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Craterzone is a global leader in IT consulting, mobility solutions, outsourcing management, customized software development and digital marketing.

As a proven partner, Craterzone helped large enterprises to start-ups in transforming their idea into a world class product.

With over 7 years of industry experience in USA supporting international businesses, Craterzone has a reputation of being a company dedicated to quality, on time delivery and great customer services.

The students interacted with the expert & were guided about various project methodologies.

Outcomes:

The Industrial training was beneficial for students. They have learned about the process which is going to use in companies.



STUDENT ACHIEVEMENT'S



STUDENT ACHIEVEMENT'S

Aastha Aneja of CSE Department participated in WeTech qualcomm Organized by Institution of International Education (IIE) and Qualcomm and secured First position.

Naman Kumar of CSE Department participated in BOSS- Bountyful Open Source Summer Organized by Coding Blocks and secured first position.



Amit Pandey of CSE Department was a part of ACM International Collegiate Programming Contest and Secured 85th Place out of over 200 teams.



Rahul Sahni, Rishabh Pahwa and Parth Joshi Reached final round in Smart India Hackathon organized by MHRD and Secured Third Position.

Aditya aggarwal and his Team of students were a part of Hackathon Organized by ILUGD and they secured first position for their project Smart Traffic Light.



STUDENT ACHIEVEMENT'S

Garima Badhan was awarded Outstanding Student Volunteer Award 2018 by IEEE Delhi Section.

Garima Badhan Secured first position in the WIE Stand Open Project Presentation organized by IEEE Delhi student section.



Garima Badhan of final year, CSE was awarded Richard E. Merwin Student Scholarship Richard E. Merwin Student Scholarship by IEEE Delhi Student Section.

Jigyasa Singh was Of Final Year , CSE was Awarded Outstanding Student Volunteer Award by WIE Student Affinity Group (IEEE Delhi Section).

Aditya Aggarwal , Along with group of students participated in Techkriti(Embedded) organized by IIT Kanpur and secured First Position.

Shivank Bansal was selected as an Intern in Social Media Marketting Internship organized by Igniting Minds Foundation.

STUDENT ACHIEVEMENT'S

Rishabh Bansal of third Year. CSE participated in Google-Code In Organized by Google and Secured first position.

Anshita Chugh Of Second Year , CSE got through all rounds of Footloose competition at GGSIPu And her group dance troupe secured second position in Anugoonj 2019.



Aditya Agrawal Secured first position in the Event E-yantra Organized by IIT Bombay for developing Agricultural robot.

Suhail Singh Bains of CSE department secured First Prize In Hackathon organized by RJ University, Bikaner.

Prince Mittal of CSE department secured Third Position in Oulu Health Hack Organized by UltraHack in Oulu, Finland.

Prabhat Suyal Participated in TCS Next Step and Secured first position.

Aditya Agrawal , Shridhi Aggarwal And Hardik Gosain of Second Year, CSE Participated in Joint Hackathon conducted by Bosch and Indian Road Safety Campaign in collaboration with United Nations Training and Research Institute, Ministry of Road Transport and Highways and hosted by IIT Guwahati and secured Second Position.





FACULTY'S ARTICLE

CAN MOON BECOME OUR SECOND EARTH?

Ms. Garima Singh, AP - CSE

What if we transformed the moon into second earth? What if we humans could live somewhere outside the earth, say the moon, obviously we can't just pack our stuff and move there today but what if we terraformed it, reshaped it into earth's image? How long would it take us to change our natural satellite into a habitat place what would this earth-moon look like? Would it be possible?

Wondering why we chose the moon and not mars with water-ice buried beneath its surface. The red planet seems to be the best candidate to serve as the second earth but with zero experience terraforming we should consider colonizing our natural satellite first. It gets twice much sunlight as mars and it's just a three day trip from us. In short, it would take us less time and money to construct a decent "earth" on our moon.

Just to be clear we are not taking building a permanent moon base. We'd go nuts and actually transform the moon into earth, just a small one.

For starters we'd need to build an atmosphere and here's the fun part. To do that we'd need to bombard our moon with a hundred of water-ice comets iceteroids. We'd find them flying all around the earth. These comets would crash into moon's surface. They'd fill the moon's plane with water and disperse carbon dioxide along with water vapor and a little bit of ammonia and methane. All these gases would gather near the surface creating an atmosphere. The newly formed seas would reflect much more sunlight making the moon appear 5 times brighter when seen from earth. These iceteroids would also give moon a momentum. They'd make our satellite spin close to an earth like cycle. The more comets we batter into

CAN MOON BECOME OUR SECOND EARTH?

Ms. Garima Singh, AP - CSE

the moon, the faster it would rotate. A lunar day would drop down from an incredible 28 earth days to just 60 hours.

Since our satellite would rotate on its axis at the same rate as it orbits the earth anymore it would no longer be tidally locked to our planet. For earth settlers it would mean we'd be able to see the dark side of the moon, although it wouldn't be dark.

How do we save the newly built lunar atmosphere from being stripped away by solar winds? We'd have a couple options. The first one is easy, moon's own rotation would generate a dynamo effect that dynamo could awaken the moon's once active magnetic field that would keep the atmosphere in place if that's doesn't work out, we would have to place a gigantic shield in the orbit that shield would work as an artificial bow shock making up for a missing magnetic field.

When that's all sorted, we'd bring in genetically engineered plants suitable for growing on moon's stony ground. We'd also drop some algae that would release oxygen into the air. That would be start of the life on the moon.

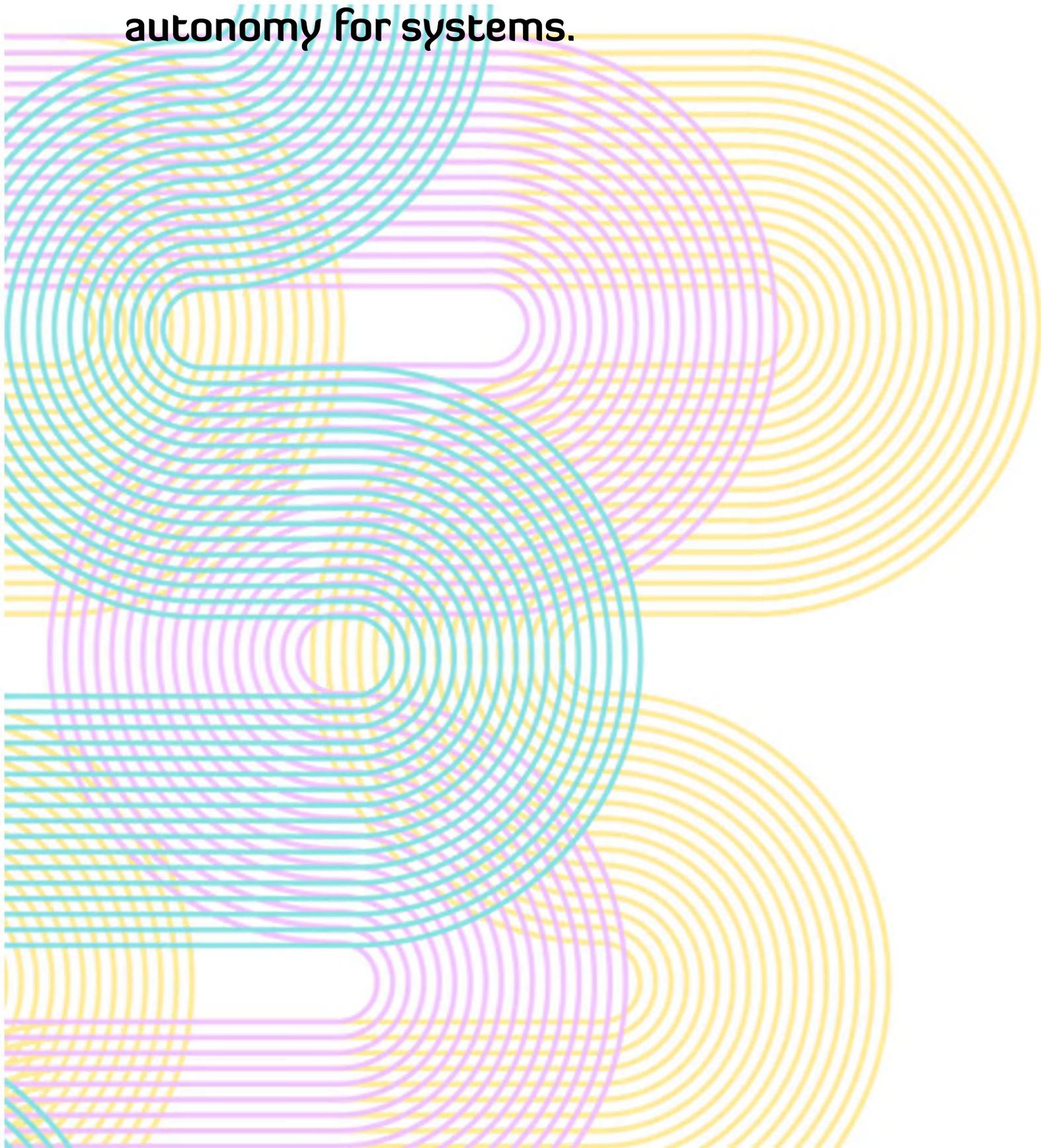
Finally after many decades of hard and costly work, we'd send the first human colony to settle down on the first man-made planet. The terraformed moon would get very warm from greenhouse effect. It would be mostly cloudy too and with tides as high as 65 feet, surfers might want to make the trip. But with just one-sixth of earth's gravity, the moon settlers would be able to jump as high as 10 feet off the ground remaining up in the air for 4 seconds and if they were really fit and full of stamina, they'd be able to across the moon's lake, this is because running on water requires less muscle power if you do it in reduced gravity.

Would you move to the moon to experience all that?

Micro-Electro-Mechanical Systems, or MEMS, is a technology that in its most general form can be defined as miniaturized mechanical and electro-mechanical elements that are made using the techniques of micro fabrication. The critical physical dimensions of MEMS devices can vary from well below one micron on the lower end of the dimensional spectrum, all the way to several millimeters. The term used to define MEMS varies in different parts of the world. In the United States they are predominantly called MEMS; while in some other parts of the world they are called “Microsystems Technology” or “Micro Machined Devices”. While the functional elements of MEMS are miniaturized structures, sensors, actuators, and microelectronics, the most notable elements are the micro sensors and micro actuators. Micro sensors and micro actuators are appropriately categorized as “transducers”, which are defined as devices that convert energy from one form to another. In the case of micro sensors, the device typically converts a measured mechanical signal into an electrical signal. The more complex levels of integration are the future trend of MEMS technology. The present state-of-the-art is more modest and usually involves a single discrete micro sensor, a single discrete micro actuator, a single micro sensor integrated with electronics, a multiplicity of essentially identical micro sensors integrated with electronics and a single micro actuator integrated with electronics. MEMS technology is sometimes cited as separate and distinct technology. In reality the distinction is not so clear-cut. The well-known Scanning Tunneling-Tip Microscope (STM) which is used to detect individual atoms and molecules on the nanometer scale is a MEMS device. Similarly the Atomic Force Microscope (AFM) which is used to



manipulate the placement and position of individual atoms and molecules on the surface of a substrate is a MEMS device as well. In fact, a variety of MEMS technologies is required in order to interface with the nano-scale domain. Thus the MEMS is a technology of encompassing highly miniaturized things that cannot be seen with the human eye. The common benefits afforded by this technology, include: increased information capabilities, miniaturization of systems, new materials resulting from new science at miniature dimensional scales, and increased functionality and autonomy for systems.



ArcGIS is a geographic information system (GIS) for working with maps and geographic information. It is used for creating and making use of maps; compiling the geographic data; analyzing the mapped information; sharing and discovering geographical information using maps and geographical information in a variety of range of applications; and managing geographical information in a database. The system provides infrastructure for making maps and geographical information available within an organization, across a community, and freely on the Web. ArcGIS includes the following Windows desktop software: ArcReader, which allows one to view and query maps created using other ArcGIS products. ArcGIS for Desktop, which is licensed in three functionality levels. ArcGIS for Desktop Basic (formerly known as ArcView), this tool allows a person to view spatial data, create layered maps, and perform basic spatial analysis. ArcGIS for Desktop Standard (formerly known as Arc Editor), which in addition to the functionality of ArcView, includes advanced tools to manipulate shape files and geo databases. ArcGIS for Desktop Advanced (formerly known as ArcInfo), which includes capabilities for manipulation of data, editing, and analysis. Key features:-
Conduct Spatial Analysis Manage Your Data More Efficiently Explore a World of Content Automate Advanced Workflows Easily Create Maps Start Geo coding Access Advanced Imagery Give Your Clients What They Need
ArcGIS connects maps, apps, data, and people so you can make smarter, faster decisions. It gives everyone in your organisation the ability to discover, use, make, and share maps from any device, anywhere, anytime.

Aficionado. Don't know what it means? Google it. Sewri fort. Not sure how to reach there? Use the GPS. In search of a new restaurant? Need content for your project? In need to get in touch with your friends? Book an online appointment, shop online just be Online. Isn't Internet the one and only answer to all these questions? Exactly! With me the concept of basic necessities of life hovering over food, shelter and clothing has expanded to food, shelter, clothing and internet. Digital divide used to be the small gap between regions that have access to modern technology, and those that don't or have restricted access. But don't we see the gap enlarging? According to recent statistics only 40% of the population on earth enjoys internet facilities and about 60% of them are deprived of this all new fourth necessity of life. Balloons in the sky providing you with Internet connection right wherever and whenever you need it. Not too hard to imagine, is it? This is real! Project Loon by Google X serves as a prime solution to all your problems. The project uses high-altitude balloons placed in the stratosphere at an altitude of about 32 km to create an aerial wireless network with up to 3G-like speeds. The idea itself sounded so crazy that the makers of this device from Google decided to give it an unusual name. Wind data from the National Oceanic and Atmospheric Administration (NOAA) is collected and analyzed to maneuver the balloons by adjusting their altitude to float to a wind layer with the desired speed and direction. The signals travel through the balloon network from one balloon to another and further to the ground-base station which is connected to an Internet service provider. Further these signals are shooting onto the global internet thereby engendering a way to serve remote and rural areas poorly served by existing provisions with that.

gift of internet.

One of the most obvious avails of the project is the Availability of Information. Assuming all the mechanisms of the project are functioning as planned, every single person who has access to some device that has Wi-Fi access would be able to search for almost any form of media online. Information will be accessible to everyone irrespective of their location also in case of natural disasters when all the sources of information about that area are destroyed, project loon will serve as the only blessing. The main problem with launching any hardware project is the certainty of eventual hardware failure. In most cases, the hardware is usually accessible and can be fixed. Loon balloon fails, it can either remain up in the air floating, making it difficult to bring down or Smartphone's are gone from single-core to nowadays Octa-core. A SoC is an integrated circuit that integrates all components of electronic system into a single chip. 29 it might go down in unwanted areas. Both of these scenarios are a huge concern to the stability as well as the safety of people. Their lives might be affected by unwanted balloon landings. Another concern over this project is internet privacy since it gives Google more power over a wider range of consumer behavior. This information can become a security issue if it is shared with Government agencies. This project is been currently tested in various parts of the world and if we keep our fingers crossed soon the entire world will be blessed with the internet facility because of Google's Project Loon. WAIT FOR IT!

SAY GOODBYE TO PILLS. NANO ROBOTS CAN CURE

Mr. Dhyanendra Jain, AP - CSE

Nano robots will be able to repair damaged or diseased tissues. The circulatory system is the natural path for these devices and the nano robots will pass through the blood stream to the area of defect. They attach themselves to specific cells, such as cancer cells and report the position and structure of these tissues. A creative methodology in the use of these devices to fight cancer involves using silicon nano machines with a thin coating of gold and light in the near infrared spectrum. Light in the 700-1000 nanometer range will pass through the tissue and reaches the defective cell. When this infrared light strikes the particular type of nano robot, the device gets hot due to the oscillation of the metal's electrons in response to the light. Using an MRI, the nano robot is specifically placed in the cancerous region, and then the light causes the devices to heat to 131 degrees Fahrenheit which destroys the cancerous cells but doesn't damage surrounding tissues. This is the new technology, without any drawbacks. These nano robots can cure any disease without affecting any other cells or tissues. The future vision: Imagine going to the doctor to get treatment for a fever, instead of giving you a tablet the doctor implants a tiny robot into your bloodstream. The robot detects the cause of your fever, travels to the appropriate system and provides a dose of medicine directly to the infected area. This is going to happen in a few years of time from now. Each person is going to have a nano robot in his body which is going to monitor human body system. So the time arrives to enjoy with the robot within our self.

STUDENT'S ARTICLE



Researchers in Germany have used skyrmion tiny magnetic vortices that can be imagined as two dimensional knots in which the magnetic moment rotates about 3600 degrees within a plane for the first time to store data. This technology could be used to create hard disk with higher densities and faster data transfer speeds.

Skyrmions that consist of a small number of atoms were first identified about 80 years ago and have been the object of intensive research in recent years. They are named after a British particle Physicist, Tony Skyrme. This meant the existence or non-existence of a skyrmion could be assigned the digital bit states “1” and “0”, the basis for information technology.

In a Gist:

In their experiment, the researchers used a two atomic layer thick film of palladium and iron on an iridium crystal. They observed the skyrmions, with a diameter of a few nanometers, with a scanning tunneling microscope. The skyrmions were then manipulated with a small spin polarized current from the tip of the microscope. The research team has demonstrated the feasibility of skyrmions in data storage. This new technology can also be introduced in computers, tablets and smart phones.

There was a man who worked for the railroad. One day, he went into the freezer compartment to do his routine work. The door accidentally closed and he found himself trapped in the compartment. He shouted for help but no one heard him since it was midnight. He tried to break down the door but he could not. As he lay in the freezer compartment, he began to feel colder and colder. Then he began to feel weaker and weaker, and he wrote on the wall of the compartment, "I am feeling colder and colder; and I am getting weaker and weaker. I am dying, and this may be my last words". In the morning when the other workers opened up the compartment they found him dead. The sad twist to the above story is that the freezing apparatus there had broken down a few days ago. The poor worker did not know about it and in his mind the freezing apparatus was working perfectly. He felt cold, got weaker and literally willed himself to die. Moral Our sub-conscious mind can be cheated. The sub-conscious mind can only accept and act on information passed to it by the conscious mind. It has no capacity to reject or decline any instruction or information passed to it by the conscious mind. In the case of the poor worker, he consciously thought that he was getting colder, weaker and dying and the sub-conscious mind accepted the above instructions and affected his physical body. That was how he willed himself to die.



John, a woodcutter, worked for a company for five years but never got a raise. The company hired Bill and within a year he got a raise. Then John resented Bill's getting a raise after only one year and went to his boss to talk about it.

The boss said, "You still cut the same number of trees you were cutting five years ago. We are a result oriented company and would be happy to give you a raise if your productivity goes up". John went back and started hitting harder and putting in longer hours but he still wasn't able to cut more trees! He went back to his boss and told him his dilemma.

The boss told John to go talk to Bill."Maybe there is something Bill knows that you and I don't." John asked Bill how he managed to cut more trees. Bill answered, "After every tree I cut, I take a break for two minutes and sharpen my axe. When was the last time you sharpened your axe?"

When was the last time you sharpened your axe? Past glory and education don't count much. We have to continuously sharpen the brain.

As far as possible without surrender, be on good terms with all persons. Speak the truth quietly and clearly and listen to others, even the dull and ignorant; they too have their story.

Avoid loud and aggressive persons; they are vexations to the spirit. If you compare yourself to others you may become vain and bitter, for always there will be greater and lesser persons than yourself. Enjoy your achievements as well as your plans. Keep interested in your career however humble; it is a real possession in the changing fortune of time.

Exercise caution in your business affairs, for the world is full of trickery. But let this not blind you from what virtue there is. Many persons strive for high ideals and everywhere life is full of heroism.

Be yourself, especially do not feign affection. Neither be cynical about love; for in the face of all aridity and disenchantment, it is as perennial as the grass. Take kindly the counsel of the years, gracefully surrendering the things of youth. Nurture the strength of spirit of shield in sudden misfortune. But do not distress yourself with imagination. Many fears are born of fatigue and loneliness.

Beyond a wholesome discipline, be gentle with yourself. You're a child of the Universe, no less than the trees and the stars; you have right to be here. And whether or not it is clear to you, no doubt the Universe is unfolding as it should be.

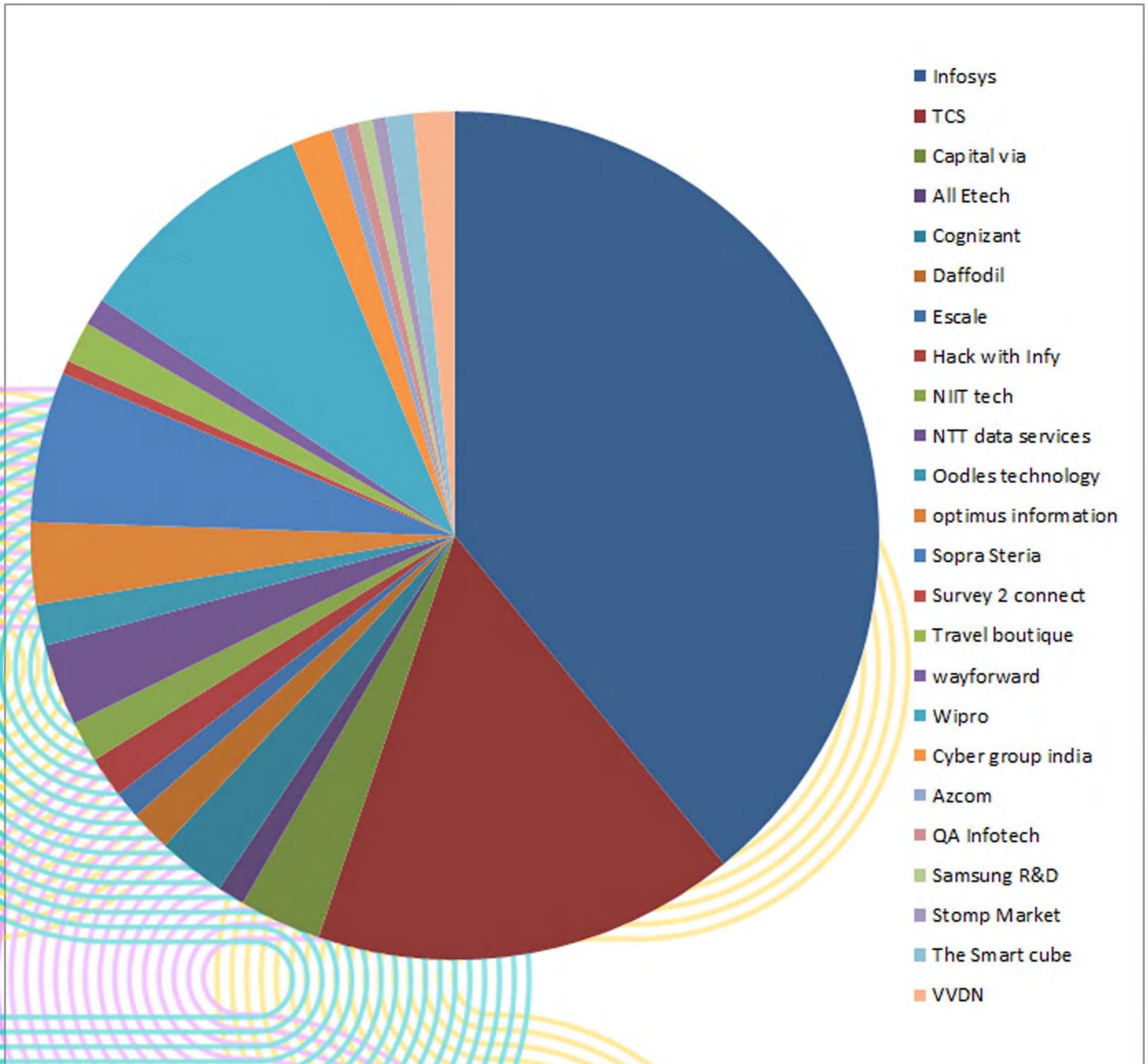
Therefore be at peace with God, whatever you conceive him to be and whatever labors and aspirations, in the noisy confusion of life, keep peace with your soul. With all its shams, drudgery and broken dreams, it is still A BEAUTIFUL WORLD. BE CHEERFUL. STRIVE TO BE HAPPY.



**CSE
PLACEMENT**

Infosys	75
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Cognizant	5
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Oodles technology	3
optimus information	6
Sopra Steria	11
Survey 2 connect	1
Travel boutique	3
wayforward	2
Wipro	18
Cyber group india	3
Azcom	1
QA Infotech	1
Samsung R&D	1
Stomp Market	1
The Smart cube	2
VVDN	3

Placement Record





Placement Partners



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



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