

MUTEX'18 EDITION

VIRTUOSO

**“It’s not that we use Technology,
we live Technology”**

DEPARTMENT OF INFORMATION TECHNOLOGY
MIT CAMPUS, ANNA UNIVERSITY

HOD'S DESK

The Department of Information Technology endeavors to stand ever competent in producing Information Technologists in the real sense, through committed and well defined function processes in the department. I'm very pleased to support Information Technology Association's magazine, 'Virtuoso'. I am confident that this magazine will stand as a testimony for the student's technical as well as creative insights.

**Dr.B.Vinayaga Sundaram,
Head, Department of Information Technology.**



EDITOR'S NOTE

Dear Readers,

I, on behalf of Virtuoso Team proudly present to you the second edition of "VIRTUOSO", our ITA student magazine. Our team of editors, designers and photographers have put in their heart and soul to kindle the virtuoso of the IT students. I thank the contributors for throwing in with us and to you our readers, for making it all real.

Happy Reading!

**Dr.B.Lydia Elizabeth,
Assistant Professor, Department of Information Technology.**



Department of Information Technology

MISSION AND VISION

Vision of Information Technology Department

The Department of Information Technology strives to produce competent IT professionals who are technically sound and ethically strong for the industries, community and research organizations at the national and international levels through excellence in teaching, research and consultancy.

Mission of Information Technology Department

Information Technology Department shall impart to the educational, economic and social Development

1. By developing the students, strong in engineering fundamentals, proficient in technical skills, strong in ethical values and knowledgeable in applying the skills for the welfare of the society through competent faculty.
2. By providing state of the art facilities in which higher studies and research flourish amongst the students.
3. By enhancing the collaborative partnership between Industry, Fl&D organization and preparing the student to be an entrepreneur.
4. By inculcating social welfare in students, to provide service to the nation as good human being.

Program Educational Objectives

Bachelor of Technology in Information Technology curriculum is designed to prepare the graduates having attitude and knowledge to:

- 1.Have a successful professional and technical career in the filed of Information Technology.
2. Have core competence in basic engineering and mathematics to formulate, analyze, and solve hardware / software engineering problems.
3. Train student community with good knowledge in core areas of Information Technology and related engineering so as to analyze, design, and synthesize data and technical concepts to produce novel solutions for the real life problems.
- 4.Inculcate in students to maintain high professionalism and ethical standards, effective oral and communication skills, to work as part of teams on multidisciplinary projects and diverse professional environment.
5. Practice and inspire high ethical values and technical standards.



A Quick Drive on Tesla's Autopilot

The universe has always been in desperate need for self-driving cars, be it to take the elderly to a safe zone or help a couple enjoy the sky-high buildings and monuments. There's always been something intriguing about these automated cars and let's uncover it here.

ing gasoline cars to electric cars and now to automated ones (Model S and Model X). This automation, helps the user to change lanes, to navigate highways by speed control, to park the vehicle and many more applications are done. Generally

“Electric cars, batteries, and renewable energy generation and storage already exist independently, but when combined, they become even more powerful – that’s the future Tesla wants.”

Tesla, a leading pioneer in the car manufacturing industry, originated in 2003. The organization has made its multitude shift from manufac-

all cameras (visible up to 250 meters) that feed the input for the software, which in turn gets to know the happenings on 360

degrees, twelve Ultrasonic sensors to recognize moving objects and a Radar system to view objects hidden by fog, snow etc., Simple tasks like instructing to move from the garage onto the roads, informing the user about vacant places to park can be done on semi-automated cars(a driver has to monitor).But in case of automated cars, Tesla's software is capable of telling the optimal route to the destination if given; else using its intelligence, the system can decide for itself, whether to reach home or workplace.

“We will not stop until every car on the road is electric ”

-Elon Musk

Autopilot has three different components, the sensors, the hardware back-end and the software back-end. Sensing devices are the hearts of automated cars. To name a few, they are the Radar, the LIDAR and the Camera. The Radar can easily detect the mobile objects but not the stationary or motion-less objects. Later came the LIDAR, which reasonably identified the human intervention but couldn't recognize the lanes despite its high price. The latest and the best is the Camera system which feeds on a software



whose primary component is the Deep Neural Networks. DNN's can be personified to a Virtual Brain on the chip that captures the lane markings, traffic lights, mobile objects like humans and animals. We know the human brain recognizes the objects only by recognizing the edges that are told by the eyes and not by the pixels. A DNN imitates this functionality for which heaps of code are appended and then begins the unsupervised Machine Learning time period. The DNN is fed with either the image or the video or other forms of data. The DNN's capability relies on its processing power and the time spent on 'learning'. It's a well-known fact that to have these cars would swallow piles of money, but we as Engineers should become smarter than working harder to put an affordable price tag on them.

VISHALI .A.L
2015506055

BIG DATA



In the modern world, we can see massive developments and the growth of technology. Technology is growing rapidly in terms of Machine Learning , Artificial Intelligence, Robotics etc. At the same time, data is also growing in a geometric ratio. A Big Data is nothing but a vast amount of data or huge volumes of data that cannot be processed and stored using the traditional approach within a short span of time.

Some of the popular social networks such as Twitter, Facebook, Instagram, YouTube, each have huge amounts of data. It has been reported that Facebook alone uses 100TB of each day. As the number of users keep growing on these sites, storing and processing is difficult. By using traditional systems, we cannot store and process this huge data within a short span of time, so this data is considered as big data.

DRAWBACKS OF TRADITIONAL SYSTEM

COST:It requires high cost,for implementing and upgrading the system.

SCALABILITY: As the data grows, expanding the system is a challenging task.

TIME CONSUMING SYSTEM: It takes lot of time to process and extract valuable information from this data.

CLASSIFICATION OF BIG DATA

STRUCTURED DATA : The data that has a proper format associated with it and hence it is called structured data.

SEMI STRUCTURED DATA : The data that does not have proper format associated to it is called as semi structured data.

UNSTRUCTURED DATA : The data that does not have any format of data is called unstructured data.

BIG DATA DIFFICULTIES:

The sustainable and huge volume of raw complex data cannot be processed using traditional software format tools is the very big challenge or difficulties for big data analytics. The only solution is Hadoop for to process and to retrieve the big data quickly.

WHAT IS HADOOP?

Hadoop is an open source platform designed to store and process huge amount of data efficiently.Hadoop comprises of two main components.

HDFS - Storing and managing the data in the Hadoop framework.

Map Reduce - Map Reduce will takes care of processing and computing the data.

BIG DATA APPLICATIONS:

Field of service oriented architecture and other management like hospitals, in the field of aerospace,web pages including search engines, and social media pages. For instance each hospital management has to maintain each and every patients records , and personal data and details etc.,

In the field of satellites, many countries in the world launch them and they maintain huge data about these satellites and it takes lot of time to be processed and to retrieve the data . Similarly social media pages and search engines big data might be used.

Is the Indian population really a challenge to its development?

Many people in India will say yes to the question asked in the title, so this article will give you a different view to your opinion. 'Human Resource is our fundamental resource' says John. F. Kennedy and this is true in the fact that other resources shall not be utilised correctly without the human mind. A country's development is directly proportional to the resources that it holds. The natural resources cover flora, fauna, minerals, aquatic life, soil, water and so on. Does any country which has all these things have become economically developed or a country which has none of these had not been developed? This question gives us a lot of understanding about Resource Utilisation.

WHAT MADE THE USA SO POWERFUL?

We shall turn the pages of history for an answer. The Second World War's destruction is the one which tops the list of worst destruction in terms of both life and economy. Many countries were affected. The atomic bomb on the Hiroshima on 6th August, 1945 and Nagasaki on 9th August, 1945. On seeing the bomb, the world leaders brought the war to an end. Two things should be noted here (i.e.) America became a super power while the other As USA became the super power, of every country, so that the party rule that country. They also have Bank, UNESCO, WHO (i.e.) in the taken in these organisations without countries in the world viewed atom smallest particle of the matter, but the American scientists had a different vision that played a huge role in making (USA) America as the super power.



CURRENT SITUATION

Today's proportion of uneducated is more than the educated; this will be due to colonisation, poverty or will be due to back old stories. All the olden stereotypes have been broken by the current society and parents are giving equal importance to both male and female child. All these happenings are in favour of India which is moving towards egalitarian society.

ACCOMPLISHMENTS

Achievements of our country's men and women are contributed towards all fields in such a way that their achievements are attracting world's attention every time. The list will start from the invention of zero by Aryabhata and will include our beloved senior cum alumni 'Pokhran Hero' Dr. A. P. J. Abdul Kalam and in terms of literature it begins from irreplaceable 'Thirukkural' by Thiruvalluvar and include our respected senior cum alumni Sujatha Rangarajan's work and the list continues. Exploration is more important than the studies. Trending technologies in Information Technology are AI, BIGDATA, Information Security, Data Science etc. Our **MIT Dhaksha Team** is notable attraction in current trend. need to discover something unique in their respective fields and contribute it to the society thereby assuring India's advancement in the list of top developed countries.

"Your achievement is our society's development and your hard work is tomorrow's history!"

PARTHIBAN SURESH
2017506571

கவிதை

அவன் கடவுள் இல்லை
நம் நம்பிக்கை வடிவம்
அவனுக்கு சிலைவடிவத்தை கொடுத்து
கடவுள் என்று பெயர் கூடிடவிட்டோம்
அது தான் பெரிய தவறாக மாறியது
மக்களின் மூடநம்பிக்கை வளர்ந்தது.....
அவனின்பெயரில்லியாபாரம்பெருகியது
இது தான் கடவுள்.....
கடவுள் பாத்துபான் என்று எண்ணாமல்
முயற்சியால் மற்றவர்கள்
அவை தான் நம்பிக்கை
கடவுள் என்பது மூடநம்பிக்கை.....
விலக்கி நம்பிக்கையை உட்கொள்.....
இல்லை இல்லை கடவுள் இல்லை
இவ்வுலகில் எவையும் நிலை
இல்லை என்றால்
கடவுஞ்சும் இல்லை.....

யார்க்கும்படி செய்.....

மூடநம்பிக்கையை

-பா. மனோஜ்குமார்.

2016506042.

மரம் வெட்டும் மடையனே ...

உலகத்து மரங்களெல்லாம்
உரங்களாகி விட்டன
ஆங்காங்கே ஒற்றை மரம்
அனாதையாக்கப் பட்டது

வெண்ணிலவில் காற்றைச் செலுத்தி
வீடு கட்ட ஆசைப்பட்டான்
மண்ணுலகில் மாந்து போகும்
காற்றைப் பேண மறந்து விட்டான்

பிராணவாயு அத்தனையும்
கரிமவாயு ஆகுது பார்
கண்ணறியா காற்றுக் கூட
கண்ணுக்குத் தெரியுது பார்

காடுகளை நீயழித்து
கட்டடங்கள் எழுப்பி விட்டாய்
ஒடுகின்ற நிலவைக் கூட
தொட்டுப் பார்த்து சிரித்து விட்டாய்

ஒட்டுமொத்த ஒசோனும்
ஒட்டையாவதை அறியலியா ?
விஞ்ஞான அறிவுக்கு
இஞ்ஞானம் புரியலியா ?...

மூச்சு விடும் காற்று கூட
விலைக்கு வாங்கும் நாள் வரும்
எம் மனிதா அன்று தானே
உனக்கெல்லாம் புத்திவரும்....

கணக்கின் பிழை....

அவளின் அணைப்பில் இருக்கும்
அந்த கணக்கு புத்தகங்களில்
உள்ள இணைத்தலும் கூட்டலும்
கழித்தலும் சேர்த்தலும்
கலத்தலும் ஒன்றாய் இணைந்து
ஒரு யது கணக்காதியல்
நடத்துகிறது!!!!

-ரம்யா ஜெ.
2016506065.

FOOD COMPUTER

V Nagaraj 2017506562

In MIT (Massachusetts Institute of Technology), Celeb Harper is practicing agriculture in Silicon Valley while we struggle to cultivate even the farm lands. The motivation for his work was drawn from the Syrian refugees who struggled to farm due to

adverse climatic conditions. Harper, coming from a family of famers, understands what it takes to grow crops commercially. By building small, connected farms, and creating a network and a database, he wants to change the way farmers grow their food.

The personal food computer looks like a fish tank. It's the right shape and size, but there is no water. Inside the two-foot-long box, under glowing purple LED lights, lettuces and legumes sprout up and their roots are misted by digitally-controlled sprayers. It is a tiny, low-water, climate-controlled agriculture system, designed for growing food in cramped city quarters. The machine is plugged into a network, so all the environmental information runs into a database, where other farmers can see how much water and light the plants are getting, and use that data to tweak the way they grow their own crops.

"It's a digital interface that controls a physical object. What's cool is that at the end of your grow cycle you get a digital recipe. You can email the basil recipe to your friends, and they can run the program again and get the same thing, or they can start messing with it." -Harper says.



"Knowledge takes you from A to Z but imagination takes you everywhere"

Dear Little One...

Dear 10-year-old me,
Did you finally manage to convince Mom and Dad
to buy the Shakalaka Boom Boom pencil?
Oh, how I wish for a magic pencil now! The world
would be a much better place if we could solve all
our problems with a magic pencil.

Honey, the real world isn't all roses and smiles
as you imagined. It is vindictive, unrelenting and
cruel. You are accountable for every word you say,
every action you take and every promise you make.

There will be days when your loved ones will
make you frustrated. During those times, do not let
your tongue make the decisions for you. You might
regret it as soon as the words leave your mouth,
but the words once spoken can never be taken back.
They may be forgiven, but never forgotten.

It will end up destroying the relationships that
you once cherished. Treat everyone with respect,
and make friends wherever you go. You never know
when you might end up needing their help. A good
circle of friends can make even hell bearable.

Having said that, learn to say NO. Never allow
anyone to force you to do stuff that you don't want.
You have the right to choose! Don't let anyone tell
you otherwise.

You will experience a plethora of fantastic
moments too. Every friend, every teacher and
every experience will leave a imprints on your
heart. Cherish them. Spend time with your family.
Sit down and talk freely with them.

Don't worry, they aren't as strict as you think.
As you grow older, they will become more of friends
than parents.

When I look in the mirror, I see a determined face, hardened around the edges, with cold calculating eyes, always scanning the surroundings, a mouth always turned upwards into a fake smile. Nevertheless, as I peer deeper inside, I can make out the silhouette of a tiny girl with two ponytails, eyes shining with excitement and happiness at the prospect of having a cotton candy after school. The naive, optimistic girl full of hopes to build a world filled with love is still inside. We need to pass on the reins for her.

Don't be afraid to take on the world! With the right people by the side, together we can make our dreams come alive.

Be crazy! Do everything that you've ever dreamed of. Sneak out with your friends to catch the latest movie show, skip stones on the lake, climb that big oak tree. Do everything that your heart desires.

Work hard and study passionately. Erase the boundaries and learn across all disciplines. Math History, Psychology, English, Music, Dance devour everything that you can get your hands on. Read a lot. Stay hungry for knowledge.

Laugh a little, darling. Smile till your cheeks hurt. Shine brighter than the sun.

Be grateful to everyone who has ever helped you on your way. Return the kindness. A small act of kindness will go a long way.

Be passionate, be confident and most importantly, be YOU.

*Yours,
Me.*

P.S: You will remain obsessed with Harry Potter.

SRUTHI SREERAM

CODING TRICKS

- While solving a problem, always use the brute force technique to find the answer. Once you arrive at the answer, try to optimise the code to reduce the time and space complexity.
- To reduce the running time in languages such as Python, use `stdin` of the `System` module to retrieve inputs, rather than getting it separately. Similarly make use of `stdout` to print outputs. This will definitely provide a faster access and decrease the time consumption.
- To reduce the space complexity, make use of already declared variables, rather than declaring a new variable every time you run a loop.
- Make use of the divide and conquer method to solve problems. Divide the program into various parts, and create functions for each. This will result in reusability of the functions and make your program more readable.
- To reduce syntax errors, whenever you open a brace or a quotation mark, close it before typing inside it.

PRO-TIP: Always use print statements to check the intermediate values.

STEPS TO CRACK CAMPUS PLACEMENT:

- Master a programming language: It can be C++, Java, Python or anything else. Be thorough with all the topics in at least 1 language.
- DATA STRUCTURES: Concentrate mainly on data structure. Most of the software companies expect you to be proficient in this.
- ALGORITHMS: Right after data structures, you are expected to have a good knowledge of at least a few basic algorithms.
- MATHEMATICS: This is an optional section but its good to concentrate on Differential Calculus, Linear Algebra, Discrete Mathematics and Probability.
- They even help in generating a code with minimum time complexity. Example- To find the sum of n natural numbers, using a for loop will result in a complexity of $O(n)$, whereas using the formula $n(n+1)/2$ will solve the problem with a constant time complexity.
- TECH ROUND: For the technical interview, OS, DBMS and Networks are important.
- Resume Preparation: Be truthful in your resume. More than 75% of the questions will be asked from your resume. So, be very careful about every word in it and be prepared to answer any onslaught of questions based on all the projects that you have listed.
- HR Round: Communication is very essential. Be confident, and speak clearly. Do not allow the interviewers to detect your tension.

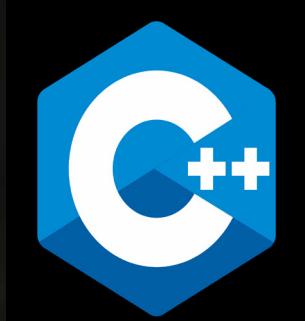
Believe in yourself even when everyone else doesn't.

C++ vs Python

“Make it work, make it right, make it fast” - Kent Beck

Why Python?

Python is the most popular language among newbies because of its innumerable practical applications. It can be used for hacking, creating backdoor viruses, automation, data sciences, machine learning, web designing and for programming backend web servers.



Basic Difference:

C++ and Python have different methods of processing the code and running the program. In C++, the code is compiled, and a native executable file is created. But, Python is an interpreted language i.e. it interprets the program at runtime. Thus, no compilation occurs until runtime. This is why C++ is called “Compile Language” and Python is called “Interpreted Language”.

Why is C++ still dominating big industries?

C++ is still one of the fastest languages in the world. Still no other language has been built to compete with C++’s or C’s Performance. Python ranks low in performance because of its way of running the program. That is why C++ is mainly used in OS development, Embedded Systems coding, Google Searchengine and IBM Watson. In games, the Game Engine Softwares are generally written in C++. ML libraries such as Tensorflow are available for both languages, but majority of people prefer Python over C++ because models can be built very easily using Python. This is what data scientists and ML scientists prefer. They need to build and test quickly. But an engineer needs to structure things perfectly so that the overall efficiency attains peak levels. Engineers also use C++ for solving problems such as Speech recognition, Translation and Image Recognition.

What should you learn?

People who learn programming language for getting a job, should first learn C or C++ and then learn Python. One can acquire expertise in any language by practicing it well. Learning Python at first will not expose you to all the necessary concepts. Since Python is a scripting language it has less accessing abilities. C++ has a comparatively greater access to the system. Python doesn’t provide code security like C++.



Hence Python is an essential tool for programmers, coders, hackers and scientists and its tremendous power lies in its general-purpose use cases making it like a multi-purpose Swiss Army Knife. So to sum up, if you are a software developer, C++ would be a better choice at first!

- Nanthak Kumar KR
2017506563

Teacher's Day 2k18



Teacher's Day 2k18

நெற்றிக்கண் திறப்பினும் குற்றம் குற்றமே!
என்றான் நக்கீரன்
கல்விக்கண் தீறக்காவிட்டாலும் குற்றம் குற்றமே
என்றான் நம் ஆசான்
விதை விதைத்தவன் உறங்கினாலும் விதைகள் உறங்கா
விதை விதைத்தவர்கள் நம் ஆசிரியர்கள்
விதைகளாகிய நாம் விருட்சமாய் விரிந்து
பண்பும் பலனும் பயனுற வாழ்வோம்
கீழே இருக்கும் கல் போன்று கரடுமுரடானது
நம் வாழ்க்கை !
கல்லை சிற்பி செதுக்கி சிலையாக மாற்றுகிறான்
ஆசான் வாழ்க்கையை செதுக்கி ஒழித் தருகிறார்
தாய் நம்மை கருவறையில் சுமக்கிறாள்
ஆசிரியர் நம்மை வகுப்பறையில் சுமக்கிறார்
இருவரும் சுமையை சுகமாக கருதி சுமப்பதால்தான்
இவ்வுலகில் சுகமாய் வாழ்ந்துகொண்டிருக்கிறோம்
ஆசானின் நம்பிக்கை அட்சயபாத்திரம் போல
குறையாமல் பார்த்துக்கொண்டு !!
வாழ்வில் முன்னேறுவோம் !!

அஜித்குமார் பி
2015508112



Riddles

1.If you tell me the truth, I will kill you with my sword.If you tell me a lie I will kill you with my spell.

What must you survive to survive?

2.Mary was born on December 25, yet her birthday is always in summer. How is this possible?

3.Continue this list O,T,T,F,F

4.We kill, and we give life. We are either poison or fruit - you chooseWhat are we?

5.I exist only when there is light, but direct light kills me. What am I ?

6.It only increases and never decreases. What is it ?

7.What letter should replace the question marks : T ? ? R L

8.A prisoner planned to escape from a prison located on an island but he couldn't swim. One day he nevertheless managed to escape without using any tools. How ?

9.Two men tried to cross a river in a boat that was able to transport only one person. However, both successfully crossed the river. How is this possible?

10.When I was 4 years old, my brother was half my age. Now, I'm 18. How old is my brother ?

10.16

5. Shadow

4.Words

9.Both were on different banks.

3.S (One, Two, Three, Four, Five, Six....)

2.Mary lives in Southern Hemisphere

1. You will kill me with your spell

7. P and M. (First letters of finger names -

Thumb, Point, Middle, Ring, Little finger).

6. Your age

Answers

A PIQUANT UNCEASING THEME – THE GENERATION GAP

Chimps after harvesting and seasoning the nuts, gained a knowledge of cracking a certain tree nuts using two different stones, this behavior is not observed in chimp troops immediately, it took nearly hundreds of generations to develop this one new behavior.

What bearing does this have on people?

People are similar enough to chimps to show how a behavior can change. One special human gift is our ability to change much faster and to develop new life ways in just a single generation, if the pressure is great enough. The generation gap serves as that opportunity for cultures or civilization to make a leap outside its comfort zone, all without a revolutionary flag in sight.

First let's see what Google says about Generation Gap and attitude!

The difference in the way of thinking leads to lack of understanding, which when happens between two generations, we call it ***Generation Gap***. Isn't this obvious?

So let's see why this difference exists! Everyone is BUSY or kept BUSY! You as parents are kept busy in Office works and resulting politics both in and out of office.

If not, you have your household chores to finish. Otherwise shopping, parting with friends. So who stops you from this? CHILD! Who continuously annoys you to.....

- Make him/her feed with hand.
- Make him/her Sleep by singing Lullaby.
- Make him/her dress up.
- Make him/her do homework.

• In short makes you waste your time which you can enjoy!

So what's the way out. Any Guess? **Best human invention-“SMARTPHONE”**

Which are enough to engulf and obsess his small brain (incorrigible!)

So now the child will not disturb you,

But at the same time it doesn't want to be disturbed either!

Now do you think the two generations can spend some Quality time talking, sharing views on common topics, laughing and enjoying?

So who has actually paved way for this gap??? Time to ponder..

Sushmitha Kumar
2017506611

THE ART OF LOVING

-By Sinduja.P(2017506597)

Recently, the Rainbows have been trending all over the media, although the rain has not yet hit the ground. Every one of us who illtreated every individual who belonged to the LGBT community suddenly raised placards, quoting "Love is Love!". But wait, where did we all go when they were humiliated for being their own selves? To begin with, it is actually not just LGBT, but LBGTQQIAP. The community that we have obscurely seen so far, is just a handful. It includes people who are called by the terms of "LESBIAN, GAY, BISEXUAL, TRANSGENDER, TRANSEXUAL, QUEER, QUESTIONING, INTERSEX, ASEXUAL, ALLY, and PANSEXUAL". This problem of human race has to be dealt with a lot more of humanity, and "one's desire to be loved". So, this article is all about the acceptance and denial of the love and rights of every homosapien, and not just the LGBT community. The ultimate aim of living a meaningful life, is to show unconditional love, and receive it back, doesn't it become "Barter system"? Maybe, if it were barter system for love, nobody would have been deprived of it either. Love can be defined between two opposite genders, or same gender, or even between different species, without benefits and expectations. It doesn't require a birth certificate, community certificate and nationality. It doesn't see if you are a beautiful person, or if you have a six-digit bank balance.

But it doesn't see if you are a beautiful person, or if you have a six-digit bank balance. But there are many misinterpretations as to what "Real love" is. We live in a world where self-obsession is the new fashion and in a society where "Heterogenous friendship" (boy-girl friendship) is highly condemned with sarcasm but, homogenous sexual relationship is accepted by law. All of us are alive, but not all of us are actually living a life! What happens when we fall in love? Expressing and experiencing becomes a problem! We live in a world where self-obsession is the new fashion and in a society where

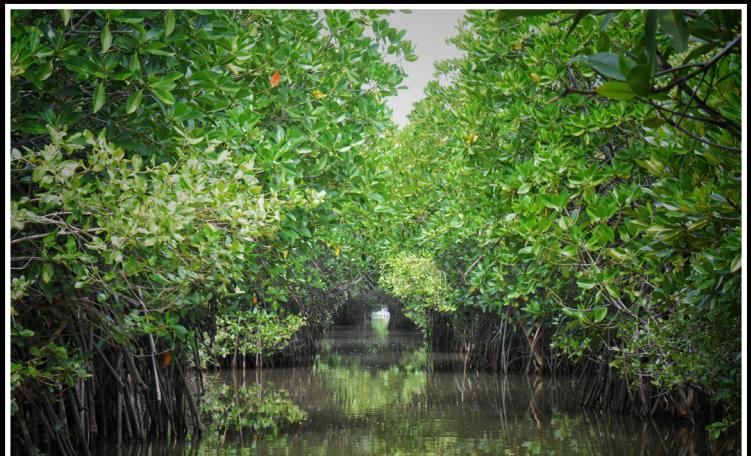
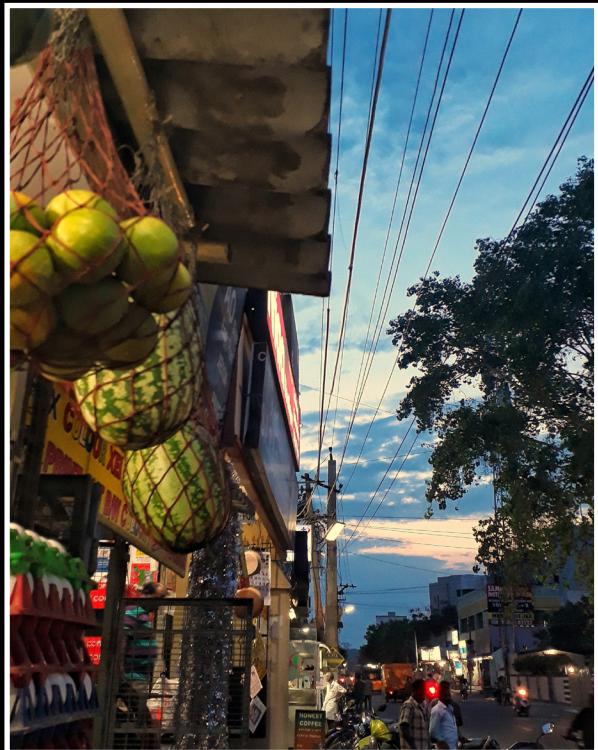
in a society where “Heterogenous friendship” (boy-girl friendship) is highly condemned with sarcasm but, homogenous sexual relationship is accepted by law. All of us are alive, but not all of us are actually living a life! What happens when we fall in love? Expressing and experiencing becomes a problem! You are in love, but you are not being loved. Eventually it comes down to this- who do you love more? Them or yourself!? Now, the definition of love gets redefined as something cruel and sinful. Remember, Love is supposed to give you wings, and not bury you at the funeral”.

What if, everything goes right, and you both know that love is happening but, you’re from different roots and that causes issues? This is a serious case in a country like India, with diverse culture. with diverse culture. Today, Homosexual relationships are given a warm welcome, but not intercaste marriages.

“In this era of high-level technology, sadly, the only unaccepted hybrid culture, is ‘inter caste marriage’!”. The origin of caste is based on the classification of jobs, which has sadly become an “identity” for people. This issue has reached a place, where the parents who have dedicated their entire lives for the happiness of their kid, no longer care about it. All they want, is to hold that abstract pride over their head! What if, you are in love, married happily, and the love evades by time? Then, my dear people, you have fooled yourselves all this time, in the name of love, because love has an infinite lifetime!

The above opinions of mine, about love and life may seem pointless and dramatic for many. As we know, the way an eye sees a painting may vary, but the point is if you could just feel the colours! What if, love has not yet found you? The only answer is, “Wait!”. If you keep on looking for it, it will keep you in the queue. Love will always find its way to you. Until then live free, live happy, with hope and trust! Start feeling things around you, for it is the key to live the moment!

INGENIOUS PHOTOGRAPHY



SARAN RTS
2016506075

PHOTOGRAPHY



HARI PRAKASH M P
2017506525.



RESHMA H
2016506068

M A M

MINIMALISTIC WRITINGS...

Everytime I see you, my heart beats a little faster,
my smile grows a bit wider.
I crave to touch you, hold you and call you mine.
That's why Chocolate,you're my first love.

-Sruthi Sreeram
2016506093

Gazing up at the vast expanse of the starry midnight sky,
observing how some stars are close enough,
and some far far apart,
my mind is struck by the visceral thought of friendship-
How we were so close
that we formed beautiful constellations in each other's lives,
and now,
our lives are as dark as the new moon night.

-Reshma.H
2016506068

As the sea hugged the skies,
the moon planted a soft kiss on her luscious watery curls.
And hush...yet another romantic masterpiece
was etched on the stones of nature.

- Reshma.H
2016506068

ARTISTRY



A.SREEYASHINI
2017506599



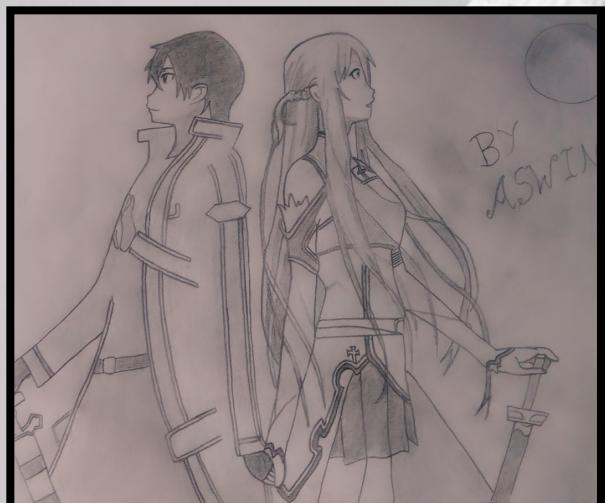
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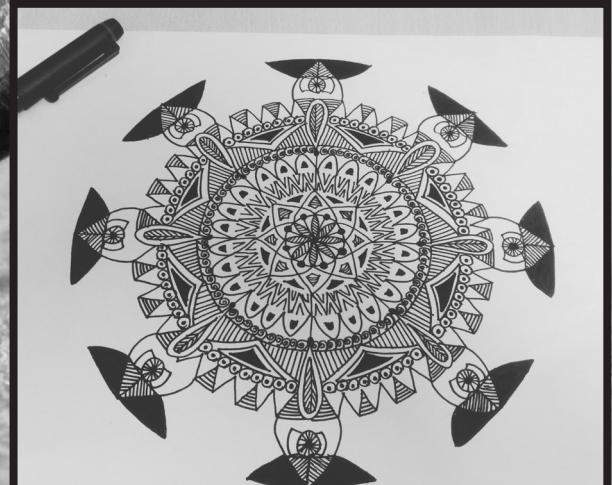
R.KEERTHANA
2017506544



S.ASWIN
2016506009



S.ROOBAVATHY
2016506070



H:RESHMA
2016506068

An Interview with our Senior

This year, the number of seniors getting placed in companies has increased manyfold. Many seniors got placed with high salary packages. It is not an easy task to tackle all your fellow contestants and put forth your best to show the interviewer that you are the perfect man/woman for the job. Here, we had an interview with **Mr. Aswin Kumar R**, a senior who got placed in Myntra

1.What advice do have for me as a freshman?

My advice for you is “Know your basics well”. Being a master of basic concepts allows you to understand more complex scenarios in a constructive manner. Having a clear idea of the simple yet essential concepts, along with problem solving ability is sufficient to grasp the additional knowledge that you will be acquiring in the forthcoming years.

2.What do you wish you would have known as an incoming freshman?

I wish I had known more about the various scholarships offered in the campus and off the campus as well. Book bank was one other thing that I wish I had known as an incoming freshman.

3.How does it feel to be placed in Myntra?

I was on cloud nine after getting the job offer from Myntra. Actually, I already did my internship in Citicorp Services, so I was pretty confident of getting pre-placement offer from that company. I had that in mind before attending the interview which greatly reduced my stress. The questions that had been asked were more inclined towards mathematics and algorithms, So I was able to answer them correctly. That's how I landed on Myntra.

4.What are the challenges you've overcome and how did you do it?

The main challenge that almost all of us will face is time management. Learn to prioritize daily events to better manage time. My one other challenge was choosing my area of interest. Although I had adequate exposure towards various domains in computer science thanks to my faculties, I realized that Data structures and algorithms suited me well (since I was interested in competitive programming). Understanding our strength is really important to choose a specific domain of interest.

5.How do you motivate yourself from the failures?

It's the same like Vijay used to say in Nanban movie “All is well”. I usually think that everything that has happened is always for good. This thought makes me to stay calm, get the positives and avoid mistakes occurred in the previous failures and improvise in the upcoming endeavors.

Interviewed by : **Mohamed Adhil R**

Achievements

Dhanush Kumar

- 1.800m Bronze in Zonal(2017)
- 2.4x400m Silver in Zonal(2017)
- 3.Silver in 8km Hallowing Marathon(2017)
- 4.400m Bronze in Zonal(2018)
- 5.4x400 Gold in Zonal(2018)
- 6.Participated in Kanchipuram Marathon
- 7.Participated in Senior State Meet held at Tirunelveli



Aswin

First place in Calbug Event held during September 2018 in **KRANTIK 2K18** held at Meenakshi Sundararajan Engineering College.



Deepak Dharun

Winner in Zonal level Basketball Tournament held at Prince Shri Venkateshwara Padmavathy Engineering College.



SAMHITA '18

Samhita is a National level technical symposium held at Madras Institute of Technology by Information Technology Association (ITA) every year. Samhita which is a two-day festival aims at offering students an opportunity to herald their technical prowess and quiz their aptitude in coding, designing and other ambidextrous domain concepts. It covets to bridge the gap between students and industry by conducting various technical workshops and competitions. The annual inter-college fest is held to commemorate yesterday's advancements and further pave the way for tomorrow's achievements and being a platform where academics meet innovation. Samhita '18 was held on Feb 16-17, 2018 which was aimed to be magnificent than the previous versions. This year a total of 30 events (i.e.) 15 technical events, non-technical events, workshops with an addition to one Mega Event were conducted and the total prize amount was worth of ₹5 Lakhs. Approximately 1.8k - 2k students actively participated and won various prizes.

LIST OF EVENTS

- OSPC
- Sequel Scholar
- Treasure Hunt
- OLPC
- Street Coding
- BitCoding
- InterpretI
- Code Obfuscation
- Dexterity Unbounded
- Math -0-Mania
- Dumb C
- Reverse Coding
- B – Plan
- Debugging
- Photography
- Code Golfing
- Paper Presentation
- Unbox
- Gaming
- Cognitive Conundrum
- IPL Auction
- Tech Travel
- Linux Mate
- Connexions
- Coffee with Java
- AcidITy
- D Code





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