/*identITy*/

IT DEPARTMENT HALF YEARLY

Whats here?

What is your IDENTITY? Pretty much a vague question isn't it? How about "How can you define your identity?" You may think it's very easy to answer that question . Your answer might be something like, I am so and so, coming from so and so family. But does that really define your identity? The answer is no!

Identity is a term that pertains to individuality and is what that is used to identify someone. It's not merely your demeanor, looks or social belonging, it is something that can be molded by the way you live. If you were to identify Steve Jobs or Dr.A.P.J Abdul Kalam, you would definitely refer to two words, 'apple' and 'missile man'. Words just being words ,it is how they lived and what they achieved that gave them their identity, not their family name or where they were from.

Identity is not something that you were born with, it is something you create for yourself by the way you live.

Who you are?, what your dreams are?, what is your passion?, all these things define your identity. You are here not to carry down your family name alone.

YOU ARE HERE TO CREATE YOUR OWN IDENTITY!!!

#include <IT_STUDS>
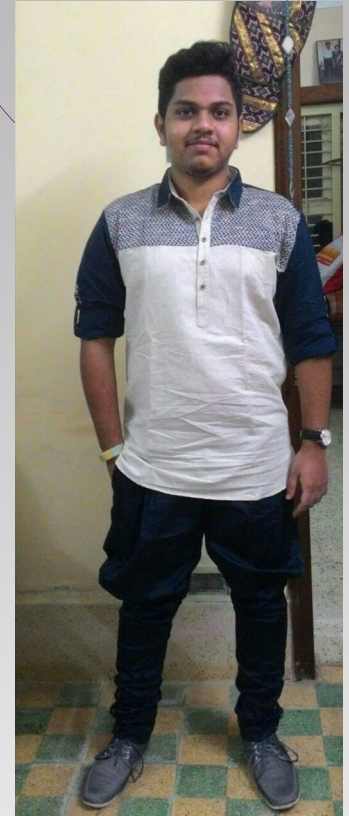
AN EXPERIENCE TO CHERISH

- Sri Vishnu Kumar .K (4th year)

It was just another day in college. Little did I know that it would be the start of a series of blissful events, when chance to intern with Microsoft Japan, in the field of Machine Learning came as a pleasant surprise. I soon sent my resume for the same.

After a couple of weeks, I was shocked to know that I, along with two of my friends, was shortlisted for an interview with Microsoft. It was an overwhelming ask. I was quite nervous considering the magnitude of the task at hand.

It was an hour-long Skype interview, during which I was interviewed by two people. The first person was Japanese and tested me on my knowledge of statistics and asked a few questions on Machine Learning algorithms. Then we had a deep discussion on Anaconda's framework and LSTMs usage in Recurrent Neural Networks. The second person tested me on my problem solving skills and data structures. He asked me a very simple data structures question and I solved it quickly, post which we had a fun discussion on data collection. He was very friendly and openly answered my questions on his role in Microsoft and on the products they were developing for 2017. (psst, there may be a few nice updates to Windows 10.) Overall the interviewers were very friendly and made me feel like they were there to help. They were frank and to the point and never tried to put me off track or pile stress.

After the interview, I was quite happy and awaited the results. They came a week later and I was delighted to know I was selected for the next round. Owing to the ongoing semester practical exams, the next interview was scheduled a week later. On the day of interview, I was quite nervous, but went with a clear mind. The interview started post a delay of fifteen minutes, due to network problems. (Here's a bit of advice I'd like to give others, if you're interviewing via a video conference, delays are commonplace, do not get tensed because of them, just make sure the other person can see and hear you clearly.)

This was a product development interview. I was asked a simple question of data structures and was asked to code the same. I first gave him an overview of the algorithm I was going to use and then proceeded to code the same. (By code I mean writing it on paper, and showing it to him via the camera. Yes, I used the phone's rear camera.). He was satisfied with my code as I arrived at the complexity that he wanted, however he wanted to me to reduce the size of code and make it more beautiful, unfortunately I did not have to the time to do that. He moved on to another question on Hidden Markov Models and n-grams, it was a short discussion which lasted a couple of minutes. He was happy with the interview and told me that they would communicate the results soon.

Few hours later, I got to know of my selection and was filled with joy.

I would like to thank HOD sir for giving us such a great opportunity, without his guidance this would've been really far-fetched. I would like to thank the placement co-coordinator, Bhalaji sir for his support throughout the process. I would also like to thank the faculty members who gave me the freedom to choose a field of my choice and ably mentored me in the same. It really was an amazing experience.

One piece of advice to my juniors would be, "Code - Sleep – Repeat"

You cannot snore and dream at the same time.

MY MICROSOFT INTERVIEW EXPERIENCE

When I was asked to share my resume to be forwarded to Microsoft, I just wanted to first get shortlisted for the interview. I thought it might take a longer time to get the call for the first level process itself. However, I received the call for the first level interview within few days of sharing the profile.

The first round lasted for almost an hour. In the first session, I was given a problem involving logic and was asked to write the algorithm for the same. Also, I was asked to explain the concepts behind machine learning and deep learning. In the second session, I was asked to explain the details on Quality Assurance. At the end of the interview process, I felt that I had done my part quite well and the knowledge that I had gained through pursuing courses (MOOC) on machine learning came in handy.

It was just after a week, I received the call for the second round of interview. In this round too, I was asked to write the pseudocode for designing a poker game. This session lasted for about half-an-hour. Again, I was satisfied with my performance and felt that I had given my best despite the fact that I did not have enough time to specifically prepare for the interview.

I was quite amazed and surprised when the recruiter informed me of my selection to undergo the internship at Microsoft, Japan and that too within a few hours of the completing the second round of interview.

While I was quite satisfied with my performance in the interview process, I felt quite happy in getting selected for the internship program at Microsoft, an organization of global repute. It was like the dream come true for me and that too when I had appeared for an interview for the first time and got selected in it.

I will cherish these moments forever in my life and it only goes to show that all that begins well will end well.

Vaikkunth Mugunthan
Fourth Year,   IT B

Facebook, Skype and Twitter are all banned in China.

SSN INNOVATION AND INCUBATION CENTRE

The SSN Innovation Centre and Incubation Centre were inaugurated on September 3, 2016, by Dr. Shiv Nadar, Founder and Chairman of Shiv Nadar Foundation, to encourage research, ideation from the students and to promote emerging technological and knowledge-based innovative ventures.

"Both, the SSN Incubation Centre and the SSN Innovation Centre are aimed at creating an enabling ecosystem that taps into the incredible potential of the start-up and student community, respectively and nurture them to the point where they become job-givers instead of job-seekers. " said Mrs. Kala Vijayakumar, President, SSN Institutions.

Adding to this, Prof. Dr. V.G. Idichandy, Chief Mentor for the project said, " **The SSN Innovation Centre offers an unprecedented opportunity to shape cross-disciplinary collaboration to the SSN students, while the SSN Incubation Centre will serve as a catalyst to solve society's most pressing needs through innovation and entrepreneurship.**"

THE ONE WHO MADE A MARK

Need Help in a Hurry? Just TAP!

These two students have made a band that links to your phone and can send an SOS. All the wearer needs to do is tap her feet, finds *Mathew Joy Mathew*

There have been more than a hundred thousand reported crimes against women in India in 2015, and when times are tough, new ideas and innovations need to be implemented for their safety. Chennai-based Naga Vaishnavi P and Nandita Visvanat, two final-year students from the IT department of SSN College of Engineering, have come up with one such innovative idea, 'GoSafe' a gesture-recognisable mobile application that can send SOS messages to three people along with the exact location, which updates every two minutes.

Nandita says, "I went to Mauritius when I was in my first year where I worked towards women empower-

ment for 6 weeks. When I returned I spoke to Naga Vaishnavi about this idea." Though there are many apps and smart-jewellery made to send out panic messages, they need to be externally operated. This technology requires two elements, a band-like device worn around the ankle and a mobile phone with Bluetooth. When the foot with the band is tapped 10 times on the back of the other leg,
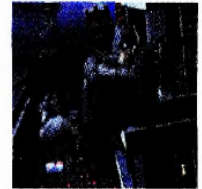
the phone receives the distress signal and sends messages to three previously selected emergency contacts along with the exact location, which updates every two minutes. "We wanted a device that could be well hidden, which could be triggered discreetly, and could be adaptable to the user so that she could incorporate it into her daily life without discomfort," explains Naga Vaishnavi.

They are now aiming to make the device even smaller and include more features like a direct line to the police. They have already filed for a patent for their invention. They are grateful to their guide G Munishwari who helped them throughout their project.

Reach out: ssn.edu.in

SPEEDY RESPONSE
The mobile application GoSafe takes only ten seconds to send the alert messages to three previously selected emergency contacts, along with the exact location. The distress signal is received when the foot with the band is tapped ten times against the other leg

JOYSTICK

BATMAN: THE TELLTALE SERIES
Enter the fractured psyche of Bruce Wayne and discover the powerful and far-reaching consequences of your choices as the Dark Knight

BIOSHOCK
After a plane crash, you descend into Rapture, a city hidden beneath the sea. Surrounded by corpses, and ambushed by genetically mutated citizens, you've got to survive
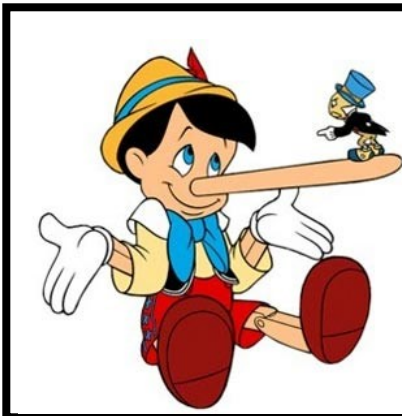
THE TOMORROW CHILDREN
When an ambitious experiment goes horribly wrong, almost all life on Earth disappears. Years later, a few survivors begin to rebuild civilisation

Naga Vaishnavi, P Nandita Visvanat

It is one of our proud moments to know that our department faculty's project has made its way to the Indian Express Coverage. Her project was brought into the limelight because of the amazing purpose the project possessed which addresses to the women safety, which is much of a concern.

Dr. G. MUNEESWARI
ASSOCIATE PROFESSOR

DID YOU KNOW

The brain scans of the participants while they took part in the experiments were taken and it was found that brains are desensitized to an emotional response – typically a strong negative reaction – when the lie helps the liar.

Which means, according to the head of the experiment Neil Garrett, that "telling small lies every day might seem fairly Insignificant, but we should be cautious about them, because by the sheer act of repetition, they can escalate."

Los Angeles's full name is "El Pueblo de Nuestra Senora la Reina de los Angeles de Porciuncula."

FACULTY INTERNAL FUNDING

Title:

Cognitive Model Based Interactive Intelligent Tutoring System to Assist students to improve their programming skill

Abstract:

This project is aimed to develop an Intelligent Interactive Tutoring System to assist the students to improve their programming skills. The video lecture by an expert will be accommodated with practical testing for the entire course. The sessions have to be designed as interactive and student should be enabled to alter the topic of his/her interest. The sessions may be elaborative or short session of listener's interest. The testing will be followed after each and every topic. The testing not only evaluates the solution but also notifies the correction and type of error in one's program. The learner's interest or fatigue has to be identified by understanding his emotions through his gesture or speech. The cognitive models have to be developed to understand based on the learners speech and gesture. According to his/her level of understanding widening or shortening of sessions will be handled. The users has to interact with the system with a dialog/ comments to deal more problem solving session or theory session or comments like pause, stop and start. The cognitive analysis also have been used to monitor the change in level of interest of a person in programming language or using this software.

Dr. Vasuki P.

Associate Professor

Mr. Thanikachalam V.

Assistant Professor

If **opportunity** doesn't *knock*, build a *door*.

Milton **Berle**

Panphobia is the fear of everything... which is a pretty unlucky phobia to have.

Internally Funded Projects

STUDENT PROJECTS

S.No	Name of the students & Year	Faculty In-charge(s)	Title of the Project	Duration
1	S. Murugappan (II-Year)	Dr. R. Srinivasan Dr. T. Sree Sharmila	Automated restroom smell alert system	1 year
2	Nikitha Vignesh Kumar S. Neharika (II-Year)	Dr. T. Sree Sharmila	Mobile attendance system	1 year
3	V. Sangavi P.M. Sashaank B. Rushvanth V. Yaadesh Kumaar (III-Year)	Dr. S. Karthika	Predpatrol- predictive patrolling	1 year
4	V. Neeraj Roop D. Prathana Reshmitha Rajasekar R. Revathy (III-Year)	Dr. N. Bhalaji	Optimizing the frequency of buses – maximum flow graph	1 year
5	T. Dhanush B. Aswin Ramnath M. Krishnakanth (III-Year)	Dr. N. Bhalaji	Smart rooms	1 year
6	Jeyaram Hariharakrishnan (II-Year)	Dr. N. Bhalaji Mr. V. Sivamurugan	Smarter keyboard – supplementary security tool	1 year
7	K. Aashika P.C. Abilashkumar S. Aboorva K.S. Hariharasudan (III-Year)	Dr. G. Muneeswari Mr. I. Joe Louis Paul	Hydro-Spark (Flood level and Flood water electric discharge warning system)	18 months

8	M.S. Vignesh (II-Year)	Mr. I. Joe Louis Paul	Spotting a person within a given range	1 year
9	L. Akhil Venkateswaran P. Gautham Ram T. Jerold Jacob M. Karthik (III-Year)	Mr. I. Joe Louis Paul Dr. G. Muneeswari	Stalker Detector	1 year
10	K. M. LikeshKrishna A.N. Arunakumari Gaddam Mounica (III-Year)	Dr. N. Bhalaji	School student attention monitoring system	18 months
11	S. Swarnalatha R.S. Shrikanth I. Kesavarthini (II-Year)	Dr. S. Poornima Dr. N. Sripriya	Student out pass generator –An application for hostel students	1 year
12	C. Jayashree K. Monika (IV-Year) P. Moohana Priya (IVYear) G. Gayathri (III-Year)	Mr. I. Joe Louis Paul Mrs. S. Sasirekha	Smart eye for the visually impaired	6 months
13	J. Chandramowli Aadhithya Dinesh (II-Year)	Mr. I. Joe Louis Paul Dr. G. Muneeswari	An online programming judge	6 months
14	K. Harini Priya R. Lalithalakshmi (II-Year)	Mr. R. Vinob Chander	Security enhancement at hostel gate by face detection	1 year
15	Adeeb Tahir Adithya Ganesh (II-Year)	Mrs. S. Sasirekha	Quick Basket	1 year
16	L. Akshay Karthik Ebenezer Ajay Williams N. Gareshma R. Harini (III-Year)	Dr. S. Chithra	Overhead tank water level monitoring system	1 year

FACULTY PROJECT

S.No	PI/Co-PI	Title	Duration
1	Dr. P. Vasuki Mr.V. Thanikachalam	Cognitive model based intelligent interactive tutoring system to assist students to improve their programming skill.	2 Years

"SSN's Internal Funding programme has encouraged numerous budding engineers to dream big and pursue it. The project numbers have reached the maximum this year. The students have expressed their gratitude to the SSN Management for such a constructive programme."

SCHOLARSHIP HOLDERS

2015-2016

Merit Scholarship

Sl. No.	Name	Year	GPA	Scholarship status
1	Prashanthi B	II	9.53	Exemplary
2	Murugappan S	II	9.33	(Exemplary + Out-standing)/2
3	Soundarya R	II	9.33	
4	Swaminaathan P J M	II	9.31	Outstanding
5	Keertthana K N	II	9.27	Outstanding
6	Hemang M Shah	II	9.24	Outstanding
7	Jeyagouri S	III	9.28	Exemplary
8	Aashika K	III	9.23	Exemplary
9	Soundarya S	III	9.19	Outstanding
10	Kalyani Rm	III	9.00	Outstanding
11	Divya P	III	8.98	Outstanding
12	Akhil Venkateswaran L	III	8.79	Outstanding
13	Srinidhi S	IV	9.00	Full
14	Vaikkunth M	IV	8.94	Full
15	Sri Vishnu Kumar K	IV	8.70	Waiver
16	Sophia Josephine Abraham	IV	8.66	Waiver
17	Shivani N	IV	8.56	Waiver
18	Jayashree C	IV	8.52	Waiver

Merit-cum-Means Scholarship

Sl. No.	Name	Year	Scholarship status
1	Abishek G	I	Waiver
2	Lokesh N S	I	Waiver
3	Suguna S	III	Full
4	Gayathri G	III	Waiver
5	Saranya D	IV	Full
6	Parthasarathy G	IV	Full
7	Monika K	IV	Waiver
8	Rajadurai S	IV	Waiver
9	Ganesh M D	IV	Waiver
10	Nizamuddin C	IV	Waiver

Sports Scholarship

Sl. No.	Name	Year
1	Aparna	II
2	Varshitha	II
3	Gayathri G	III
4	Sharmila	IV

invente.

DISCOVER YOURSELF

09 th and 10 th September 2016

Glimpses

The first version of SSN's Invente, turned out to be a roaring success. Around 30k technophiles from various colleges showcased their talents with irrepressible ardour.

68 Events

4 Workshops

Chief Guest Dr. M S Ananth, Former Director of IIT-M releasing the magazine "TECH VIBE".

Prizes worth 8 Lakhs!!

@ IT Department

IT DEPARTMENT EVENTS

Bits Please Events

- **AI Blitz**
- **Cryptomaniac**
- **Appstronaut**
- **SSN Nuggets**
- **Web Clasico**
- **UI-Xpress**
- **Virtually Real**

Gaming

- **NFS Most Wanted**
- **Counter Strike 1.6**

PC: Aruna ubha .A (IT-A, IV yr)

Jerold Jacob (IT-A, III yr)

Bluetooth, the wireless communication standard, was named after Harald Bluetooth, a tenth century king who encouraged communication and unity among warring Norse and Danish tribes.

ORIENTATION
for Sophomores
Welcome to the Department

Orientation is a program that is conducted for the Second Year students to give an introduction to our department, the rules and regulations, and what are the other norms prevailing. We welcome the juniors with open arms, encourage them to participate freely in all culturals and symposiums.

The students were introduced to the PEO and PO of the department. The outcome of few subjects were related to the framed POs to give better understanding for the students. The students were also provided with placement statistics and were motivated and guided on how to excel in academics as well as prepare themselves for the Placements.

The faculty-in-charges introduced themselves and also guided the students on how they can approach them, and what their field of interests are.

Students were given a warm welcome, from the seniors as well as the faculties, so that they can feel themselves at their second home, at the

Welcome

TO

IT DEPARTMENT

QUOTES TO REFRESH

To realize the value of ONE YEAR, ask a student who failed a grade.

To realize the value of ONE MONTH, ask a mother who gave birth to a premature baby.

To realize the value of ONE WEEK, ask the editor of a weekly newspaper,

To realize the value of ONE HOUR, ask the lovers who are waiting to meet.

To realize the value of ONE MINUTE, ask a person who missed the train.

To realize the value of ONE SECOND, ask a person who just avoided an accident.

A minute now is better than a minute later! Treasure every moment!

Yesterday is history. Tomorrow is mystery!

Today is a gift. That's why it's called the present.

Knowing is not enough; We must apply

Willing is not enough ; We must do.

Watch your thoughts, for they become words,

Watch your words, for they become actions,

Watch your actions, for they become habits,

Watch your habits, for they become character,

Watch your character, for it becomes your destiny.

Don't wait. The time will never be just right.

Take time to deliberate;

But when the time for actions arrives,

Stop thinking and go on!

Winning is not everything,

But the will to win is everything.

If winning isn't everything, why do they keep score?

Strength does not come from winning.

Your struggles develop your strengths,

When you go through hardships and decide

Not to surrender, that is strength.

Life is a constant struggle, a fight within itself,

With new challenges every day,

If we have a strong will power and courage

To face everything, we can win easily.

- S.Chithra (IT-A, 3rd year)

Win as if you were used to it,

Lose as if you enjoyed it for a change.

If you lift a kangaroo's tail off the ground it can't hop.

REBOOT HUMANITY

My friends list counts to 379,
yet I feel lonely.
I chat with them every day,
but they hardly know me.

With iMac's, iPads and iPhones,
there are so much "i"'s,
innumerable selfies
but, not enough "we"'s and "us"'s.

We measure self-worth by numbers
of likes and followers
We don't have a conversation without an abbreviation
A screen filled with OMGs, LOLs and ROFLs, a total
confusion!

Take a step back, and open your eyes,

look around and then you realize,

all the technology we have, is just an illusion

of community, sociability and a sense of inclusion!

We edit and exaggerate, we crave for attention,
we pretend we don't notice the social isolation.
you needn't tell hundreds about what you've done,
for the moment to be shared, is just with your loved one.

Disconnect from the need to be heard and defined
Go out into the world, leaving your gadgets behind.
Shut down those displays, look up from your phone,
live every moment, before we are gone.

I dream of a world, where we smile on low batteries...
because that is when we are one bar closer to humanity!
Reboot!

- Aashika .K (IT-A, 3rd year)

NATURE IN TRUE SENSE

It's a bright Sunday morning

I'm alone, yet once again

Various thoughts running around my mind

Depicting nature in its true kind

Forcing me to be submissive like a strong bind.

The nature surrounds me all around

Boys playing happily on the ground

Dogs lying and enjoying warmth of sun

Monkeys searching hoping to find maybe a bun

Watchman staring endlessly at his watch

Trees showing elegance in its true catch

Workers tolling hard to support their needs

Birds flying endlessly to find their feeds

Oh, what a lovely nature hath thou created!

But are all creations of nature treated the same?

Humans are ruling nature like an unfair game

Monkeys are chased away depriving them of food

Trees are being mercilessly cut for demand of wood

Birds are made to wander away from their nests

Workers are being treated like they are our jests

Dogs hope for a tiny morsel which we never share

Animals are poached in various ways for our daily care

Old woman is left dying on the road with no fare
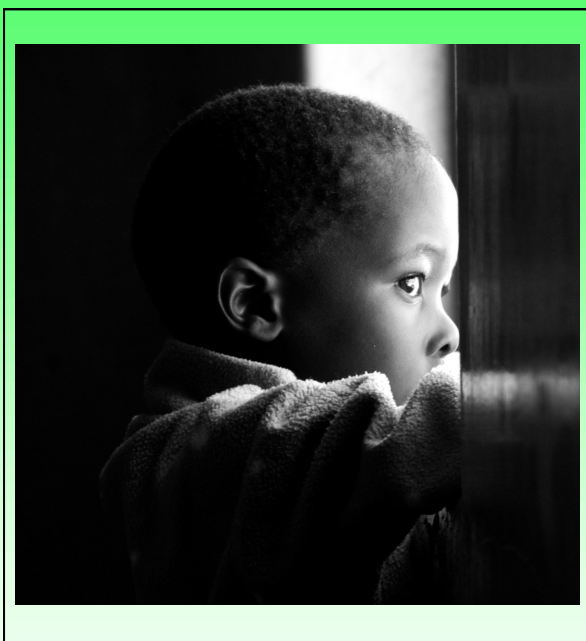
Sigh! How I pity thy nature!

- Kishore .B (IT-A 3rd year)

Every human spent about half an hour as a single cell.

One lil' orphan

The sky was lit bright even at that time. The whole neighborhood roared with noises., actually the whole country was. It was the time of Diwali. People came home from work to spend quality time with their families. All the sweet shops and cracker stores were full of bustling people and that put a broad smile on their owners. After all, Diwali did not disappoint any one in the country except for me. I share a special connection with Diwali. It was my birthday. Yet another year passed for me without getting adopted.

My parents died in an accident and as far as I know they were just careless drunks who rode their car without giving a thought about my future or theirs. It was my aunt who pushed me into this pithole "Regional home for homeless children". Life was never kind to me. But being a ten year old now, makes me realise that, I don't think I have a life anymore. That's the thing about adoption, if you don't get adopted when you are cheeky and chubby, then you don't get adopted at all. And without getting adopted, I don't think I can really live my life. All properties that should have been mine, were already taken from me. So if I don't get adopted , I will be homeless in another three years,. Once you attain your teens, you are not a child anymore and so you get kicked out from here starting your life with nothing but the dress you have on you in the open world.

And now I'm lying in my bed thinking about tomorrow. I overheard the janitor talking to the servants that tomorrow 3 couples will be coming for adoption. This could be my last chance to get adopted because people don't come knocking for adoption everyday, it's kind of a once in a blue moon thing. I rest my eyes with prayers told.

It was 10 am when the first couple arrived. At that time, I was the oldest of all the kids waiting to get adopted. That couple was very young, they showed more interest in new-borns than the older ones as they had lost their child recently to a fire accident in their apartment. They looked for infants, so that the baby would grow without knowing it is adopted. Well they got what they've expected, a beautiful 2 year old girl. I got only 2 shots left to have a normal life right now.

And the second couple came by 11.30. The husband seemed to be a police officer. I could guess it with his strong upper body and a clean haircut. The wife seemed to be very quiet. They did not expect a young kid but a disciplined one, and since I'm known for mischief, the janitor introduced "Tom" the 8 year old boy who was always praised for his cleanliness and discipline.

I lost my hope because the only thing I'm good at in my life was cooking. After all being the oldest of all kids I was the only one the cook of the "home" could trust for help.

I went back to my chores feeling cheated by god and life. It was noon when the third couple came in. They looked so sad. Actually most people would come in here with the anticipation of finding a child, but these people looked extremely sad. The janitor talked with the couple and all of a sudden gathered all kids around. The wife was smiling a bit now. Meanwhile the janitor had already started talking to the kids." This couple over here had lost their 17 year old son to drugs at this very day a year ago. And now are here to adopt a kid from here". The next words shocked and seemed to have reverberated over the room even though it did not. She told that the man was a chef in the only famous restaurant "la savories" in the whole town. When I heard those words I felt a little tingling joy in my stomach. And she continued that the couple will be having lunch with us before the adoption. Everyone sat for lunch and as always I helped the cook to serve the dishes while everyone ate. The couple was really impressed by the food served. They started enquiring about the cook who made the food as the food was really too good for an orphanage. The cook took credits and even introduced me as the sous chef (asst. Cook) of the orphanage. Suddenly the man went to his wife and I could saw them discussing something. Now they both drifted off to the janitor's office. The room was closed for a long time. The janitor came out now, towards me and grabbed my hands and dragged me across the hall to her room. The couple were smiling now. But I looked more puzzled than ever. It was later then the janitor broke it out to me that the couple not only needed a son but also an heir to their restaurant and they found me to be the perfect heir among all kids here. I ran out of words by the shock. My prayers were answered and I couldn't believe that this was my last day here.

She instructed me to pack my things and get ready, as the future home with my very own dad and mom awaits. I left the room filled with joy, I was speechless...I never thought my story had a happy ending ! :)

- B. Aswin Ramanath (IT-A, 3rd yr)

If you were to remove all of the empty space from the atoms that make up every human on earth, the entire world population could fit into an apple.

INSPIRATION PERSONIFIED

From a cozy little town near the Bay of Bengal
A bubbling little village lad sprang!
Into the city, mustering all knowledge he could,
Conquering hearts with a bang!

The aspiring pilot with unfulfilled dreams
Then stepped onto rocket engineering!
Pre-natal defense research zoomed ahead
Which the Mighty Missile Man stood steering!

Every sphere of activity, he stepped
Rapid innovation trailed behind!
Simple living and herculean thinking
Enshrined his one of a kind!

Politics too opened its doors wide to welcome
His duty-filled service to the nation!
The solitary, self-disciplined leader upheld
Science, integrity and education!

Eventually, the dedicated teacher returned
To the growing citizens of tomorrow!
With silvery hair and an infectious smile,
He gave all that students could borrow!

Inevitable end then approached this Hero,
Whose heart with students' was tied!
"Bharat Ratna" Dr.Abdul Kalam, now,
Fondly remembered as Inspiration Personified!!

Jananie Balaji
First year, IT A

Banging your head against a wall burns 150 calories an hour.

Yes, I'm a girl and I love football

I'm a girl and I understand the offside rule. Yes, I can see your shocking faces already (been here). Being a female fan, I've been hit with a lot of questions starting from 'Which club do you support?' to 'Do you play?'. The most annoying comment you can get is: "who's hotter? Cristiano or Ronaldo? "(eyerolls). Well, if you think girls watch football to check out players, you're wrong. At least not all. It's not like the football stadiums are filled with only the guys cheering the teams. Other girls think that being a football fan seems so tomboyish (I've heard people tell me!), but it's not. Let me remind you that there is a female football team for all the countries, so being a female fan shouldn't really be that shocking (American Forward player, Alex Morgan is my girl!).

This football addiction started when I was in 6th standard, when my brother and I were introduced to the Barclays Premier league (which is now just Premier league). I remember us watching our first match, The Champions League finals- Manchester United vs Chelsea and how we (I'm a United fan!) won the cup when Ronaldo missed a penalty shot. And that's how football came into my life. I used to play football (like taking penalty shots) with my brother, he would teach me a lot of tricks. And not that I want to brag or anything, but I do know players other than Messi, Neymar and Ronaldo. Watching football, not only gives an idea of the player's overall performance and their other stats, it also provides a perception of the so-called football politics and their strategy involved.

The weekends are never complete without watching my favorite team win (sometimes they have a bad week). Our eyes glued to the ball, hanging on the edge of our seats, we fight over who'll score the goal! And every loss, makes you feel you've hit rock bottom. Let me tell you that the joy of watching the club you support win the championships is priceless.

Reshmitha Rajasekar
Third Year, IT B

The dark region on the north pole of Pluto's moon, Charon, is called Mordor.

LIFE'S RIDE

I thought I would get accustomed to the dark

Find my way out of this scary theme park

I was not anxious to go there anyway

I did not listen to myself, so now I would have to pay.

Stumbling in the dark, I tried to find a way out

Play the games, they said, it was the only way without a doubt

So I did play the games, working hard for each

All the points were up for grabs, but it was too far to reach.

It was like a roller coaster, they said, a fun ride

I did not believe them, but I had to abide

So round and round I went, till I was dizzy

Everything was getting out of hand, it was all crazy.

I tried to hold on tight to a handle bar

But I could feel myself slipping away, very far

Life is so cruel, I found out after so long

That I was playing the wrong game all along.

**Shreya Venkatesan
Second year, IT B**

Hitler's mother considered abortion but the doctor persuaded her to keep the baby.

INDIA'S INTEGRITY AND CORRUPTION

Ever since the evolution ,we Indians are better known for the unity and integrity among us. India's independence itself an example of our great integrity. Being a country with large population, India presents endless varieties of physical features and cultural diversities. It is the land of many languages. It is only in India where people profess all the major religions of the world. In short, India is "THE EPITOME OF THE WORLD".

RETAIN INTEGRITY:

We live in a digital generation where almost everyone has become materialistic. The spirit of unity is lacking in current scenario. We Indians are not retaining our moral values. Its time to unite as a nation and develop the lost integrity. Individual participation and co-operation is much required to regain the lost values. Each and every citizen should feel the responsibility otherwise maintaining integrity is not possible.

"WHERE THERE IS UNITY, THERE IS ALWAYS VICTORY"

SOCIAL ISSUE:

Corruption is one of the biggest social issue. It is not new and has been prevalent in society since ancient times. Corruption is rampant in every section of society, barring the social status attached to it. If this trend continues then nobody will be able to save our society.
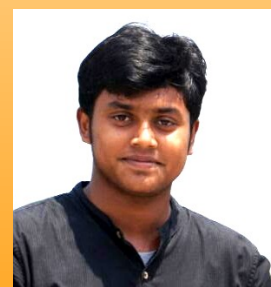
SOLUTION FOR CORRUPTION:

Everything becomes a custom or trend only when group of people complete a task in similar fashion. Corruption is no different. Every individual wants to get his work done by paying a single fee and we should be ashamed for that. First of all, each and every individual should stop supporting corruption. Take legal moves for all works. Raise voice against corruption. Don't encourage officials to get money. Government should play a major role against corruption.
Pass lokpal bills, form committees, take severe action against officials who are involved in bribery. Government should promote transparency and accountability in all governmental procedures. Every process, schemes and budgets should be transparent to the society. Moreover all official should understand that they are paid for their work and getting bribery is something like doing prostitution.
8TH NOVEMBER,2016 an unforgettable day of MODI-GOVERNMENT in Indian history. This day marked the ban on 500 and 1000 rupee notes which turned to be the biggest nightmare to those who stocked illegal money against the government. This was the most appreciable action taken by the government to eradicate corruption in our country.
We all are citizens of India and we should promote its growth.
National integration in India is a crying need of the day. Make India free from POVERTY, UNEMPLOYMENT AND INEQUALITY. This is a land of pride and don't do things that affects it.

Honesty and integrity will ensure success, will make our nation a much better place to live!

A. Harish
Third year, IT A

I AM AN ENGINEER. I CHANGE THE WORLD.

IEEE Women in Engineering (WIE) is one of the largest international professional organizations dedicated to promoting women engineers and scientists and inspiring girls around the world to follow their academic interests to a career in engineering.

The IEEE student branch of SSN also has its affinity group WIE to empower women engineers and also to help the society of engineers as a whole. It has been revamped in the academic year 2016-17. There has been two events conducted by SSN WIE in the semester July-Dec 2016.

This session is very important because women empowerment is trending all over the globe now. This session was presided by **Dr. Vydeki Vijayakumar** , execom member Madras section, WIE, to talk about ROLE OF IEEE IN WOMEN EMPOWERMENT. She grabbed the audience's attention through her fantastic talk. She gave the attendees the idea about the importance of WIE, volunteering and organizing events at student branch section and regional level. She also emphasized the importance of being a volunteer and also gave ideas of the STAR program Initiatives that the region and the section has done through WIE.

Her talk inspired the women audience to take up responsibilities in the student branch and actively volunteer for the benefits of the society. Then, her session ended up by making the audience put their plan on paper. This turned out to be the most interesting part of the session.

This event was a grand success and the students from various departments and from various years who were interested to publish IEEE papers and know more about digital library participated in the event. The event was handled by Mr. Dhanu Pattanashetti from the IEEE client services and university partnership program manager based out of Bangalore. The speaker covered the topics such as time saving features for research, building library of articles, tracking technological trends, IEEE authoring tools, structure of IEEE papers, plagiarism etc., The response of the event was very overwhelming and the event was a grand success with the participation of close to 80 participants across departments.

Ranjini.V
Third year, IT B

Cherophobia is the fear of fun.

WISH I WERE YOUNG AGAIN!

One morning as I open my eyes,
I see the sun shining bright in the sky.
So rejuvenating it felt but my body was in pain,
Made me think, how it would feel to be young again.

The world would look brighter,
My body would feel lighter!
My jeans wouldn't have been tighter,
And I could again be a fighter!

My belly, so irritating, would vanish!
The works would make me less famish.
My looks would become more intimidating
Then I would restart my season of dating!

Again lavish would become my days,
Because I believe in what Shakespeare says…
Love looks not with the eyes, but with the mind,
And therefore is winged Cupid painted blind.

But all that I think goes in vain,
I will never be young again.
Because we are tied to the Time's chain,
To be born and then to be lain.

**Pradipta Chandra
Third year, IT B**

J.K. Rowling chose the unusual name 'Hermione' so young girls wouldn't be teased for being nerdy!

EXPECTATIONS

"Expectation the root of all heartache"-William Shakespeare

As rightly said by the most renowned English poet, writer and laureate of all time. Yes, I do agree that expectation causes pain. It makes us feel heart-broken. We expect from only those who mean a lot to us. We hope that, that person never breaks our trust and so we expect from them. But when that person ends up in a different way. Our expectations go shattered.
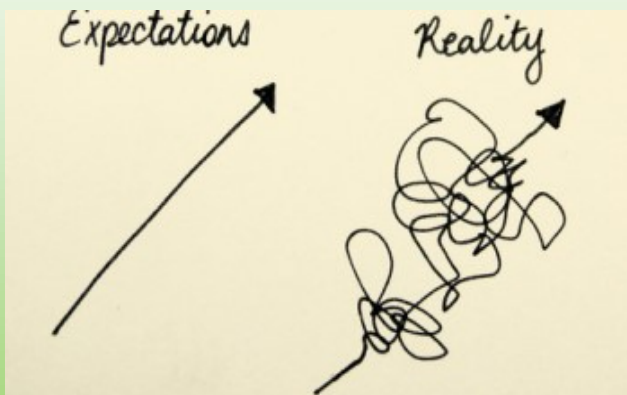

Its human nature to expect things, starting from our childhood until we go upon the graves we expect. In our childhood days, we expect our teachers and parents to appreciate us for whatever work we do, as we grow up we expected someone to understand the things which we don't tell out loud, we try to expect someone to care about us every time in our life. I don't say these expectations are wrong, but during this course of expectation we fail to cherish our own company. We seek respect and attention of others forgetting our self-respect. "Even our shadow leaves us at times of dark"-this remains the sad truth of reality.

Life is never so easy as it seems for an outsider. Everyone has to fight his/her own battle to grow stronger. To achieve success in life we must reduce our expectations from others and the outside world. "No one can understand you, better than your own self". Expect not from others but from your own self that you have got to be better than the one you were yesterday. Expect yourself to face all the odds with much more stronger will power. Expect yourself to be strong enough to face the unexpected failure which future will bring. Don't blame others, its you who can make yourself happy. Reduce your expectations from others and rejoice your own life.

B. Nivetha
Third Year, IT B

King Henry VIII slept with a gigantic axe beside him

Programming and Games

I've noticed that game programming is viewed in a negative light (And I want to say, it is my personal observation) by a lot of people who program professionally and also by professors and teachers. And I would agree. If there is a decision between developing an application for entertainment and developing one that would be beneficial for people's welfare, the "right" choice would be to choose people's welfare. On the other hand, from the perspective of a student, I would say that there is a lot that can be learnt from the field of game development.

I have been interested in games since my childhood. That led me to create modifications for games (called mods) like changing the color of a vehicle and so on. Eventually, this led me to being interested in game programming. I heard of a game "Magicka" which was developed by 4 students in the USA using XNA Game Studio which uses C#.NET. Actually, they were post-grad students, but at the time, I thought they were school kids. So, with that as my inspiration, I started my tryst with game programming. Though I never made a game, the experience I obtained by trying to make one was worth it. On the Internet, the advice for making games is always mostly to use an existing game engine like Unity. Though it is sound advice, it is not fit for learning, as such engines tend to hide the underlying mechanisms. For a good learning experience, I would suggest to learn game development from scratch.

I would like to list the fields in which game programming enabled me to be interested in and also study further than I would have normally. Listing it subject-wise:

Maths
- **Trigonometry**, **Vectors**, **Matrices** (used in graphics extensively)
- **Probability** (used in many game situations)
- **Theoretical Geometry** (used for simplified representation of graphics and also in collision detection)

Physics
- **Optics** (Lighting systems, Reflections, etc.)
- **Dynamics** of all sorts, specifically rigid body and fluid (Velocity, Momentum of solid bodies, Realistic Fire, Water, Smoke, etc.)
- **Fluid Mechanics** (Used in some high end games to simulate fluid movement)
- **Solid Mechanics** (Used in some high end games to simulate breakage of solids)

Computer Science
- **Data Structures** (without this, you'd be dead trying to create even a medium-level game. The amount of data structures required for even a simple game is astounding. The data structures used range from simple Arrays, Lists, Queues to Graphs, Specialized Trees, etc.)
- **OOAD** (Hard to do at first, but you begin to understand the concepts on your own, which is amazing. Designing a game or software becomes way easier after OO concepts come to you naturally)
- **Networking** (Games have some of the strictest requirements for networking. Making the networking code optimized and fast may make or break certain category of games)

- **Computer Graphics** (In games, speed of rendering is considered first, then accuracy, whereas in other software used for 3D designing and medical imaging, the reverse is true)
- **Data Compression** (Also an absolute requirement if your game is content-dependant. Without compression, the size of the game can increase exponentially with each addition of content)
- **Multithreaded Programming** (While this isn't a subject in its own right, the skills required to create a good multithreaded system merits a special mention)
- **Parallel Programming** (lifeblood of high-end graphics. Mostly done on the graphics card. The technical term is GPU. "Graphics Processing Unit")

"Natural Algorithm Design" I don't know the correct term for this, but you are forced to come up with algorithms as each game mechanic is different and most likely does not have a tried-and-tested general solution you can adapt. I would say this was the best benefit of being involved in game programming.

There are definitely a lot more fields that I must have forgotten to mention, or haven't encountered yet. But, it can definitely be seen that game programming is not as simple as it seems. Two more things that I wish to state at this point. One, in games, the logic can be approximated and is mandatory to be tuned more towards speed of response than accuracy. However, in other systems, especially mission systems and life support systems, accuracy is a lot more important than speed. Two, in games, logic need not correspond with reality. However, in other mission-critical systems, even a slight deviation from reality can be disastrous. (Think nuclear reactor systems and space navigation systems).

Honesty forces me to admit that game programming was only 1 of 3 or 4 reasons that I chose the computer science field. However, I still think that if I had been able to have such easy access and the ability to experiment in other fields such as Electronics, Pure Physics, Chemistry, etc. I would not have taken this field. The point is, the easy availability of computer systems and softwares as well as it's low risk of experimentation allowed me to be interested in this field. Also, games allowed a kid like me to have that sense of fulfillment while performing even a small task (even though it's virtual). It is common to hear people saying "Instant gratification is not enough for a fulfilling life". While that is indeed true, I believe such "instant gratification" is necessary to get students interested in the subjects they're studying. Yes, it is true that different people have different interests. I believe many people would have found many a subject interesting only if they had been allowed to be exposed to it without strict regimentation, freely interacting with it. This freedom in experimentation led to game programming being such an interesting field to me. I wonder how the education scene in India would change if such easy access and licence to experiment were provided in all fields (not just computer science) to all students in the schools and colleges today.

Lordson Jacob

Third year, IT A

தந்தையை பிரிந்த மகன்களுக்கு

-KRISHNAKANTH.M (IT-A, 3RD YEAR)

வாழ்க்கையில் நான் எழுதாத பக்கங்களுக்கு

எழுத்து என் தந்தை,

நான் பார்க்காத ஓட்டத்திற்கு

துணை என் தந்தை,

நான் இடப்போகும் போராட்டத்திற்கு

விதை என் தந்தை,

உடைந்து போன மனதிற்கு

ஆறுதல் என் தந்தை,

நான் உடைக்க போகும் தடைகளுக்கு

பலம் என் தந்தை,

தந்தையின் நினைவொன்றே போதும் வாழ்க்கையில் போராட !

நதி காயலாம் மனதில் நின்ற நினைவு காயுமா ?

வாழ்க்கையில் போராடு!

துக்கம், அது சில நொடிகள்தான், துடைத்துபோடு அதை

நிமிர்ந்துபார் உலகம் தெரியும்,

எதிர்த்துபார் உன் சக்தி புரியும்,

சிந்தித்துபார் பேனாவும் ஆயுதமாகும்,

தோல்வியை எற்றுக்கொள் உன்னை வலுபடுத்தும்,

சுட்டாலும் சூரியனைப்போல சுடு,

வீழ்ந்தாலும் விதைபோல் எழு,

கவலையை உடைத்தெறி

லட்சியத்தை நோக்கி ஓடு!!!

-KRISHNAKANTH.M –IIIYEAR,IT-A

The average person walks the equivalent of twice around the world in a lifetime.

கல்லூரி நட்பு

வரமாய் வந்து வாழ்க்கை முழுவதும்
நின்றவள் நீ!!!
தோழி என்று பலர் இருந்தாலும் நினைவிர்க்கு வருவது,
உன் முகம் தான்!!!

எனக்கு என்னை அறிமுகம் செய்தவள் நீ!!!
ஆழமான அன்பின் சுகமும்,
இல்லையேல் பிரிவின் சோகமும்
உணர்த்தியவள் நீ!!!

போலியான கோபம் கொள்வதில்
உனக்கு நிகர் யாருமில்லை!!!
ஒரு நிமிடம் பேச ,பல மணி நேரம் காத்திருந்ததால்
வருந்தியதில்லை!!!

என் இன்ப துன்பங்களில் என் பக்கம்
நின்றவள் நீ!!!
எதை இழந்தேனும் உன் நட்பு அது வேண்டும்
என்றும் என்றென்றும்!!!

நான்காண்டு கல்லூரி வாழ்வில்
அன்பை மையப்படுத்தி, நட்பை முன்னிலை படுத்தி
ஆற்றலோடு வாழ்ந்த நமக்கு,
பிரிவு என்னும் பெரும் சோகம் காத்திருக்கிறது!!!

கல்லூரியை விட்டு நாம் சென்றாலும்,
நம் வகுப்பறை சுவர்கள் என்றுமே
நம் நட்பினை எதிரொலிக்கும்!!!

—KALYANI .RM
(IT-A , 3RD YEAR)

The first alarm clock could only ring at 4am.

ஊழல்

எங்கிருந்து வந்தாயோ???

புற்றுநோயைப் போல்

அதிகமாக பரவி

மக்களின் உழைப்பைக் குடித்து,

வருமை என்னும்

பாதாளத்தில் தள்ளிவிட்டாய்.

ஒருவழிப்பாதையாக இருக்கும் நீ,

சமுதாயத்தின் ஒழுக்கத்தை

சீர்குலையச் செய்துவிட்டும்,

உனது தாகம் அடங்காமல்

இன்னும் பலரின் உயிர்க்குடிக்க

அலைந்து கொண்டிருக்கிறாய்…!!!

–JEYAGOURI.S –IIIYEAR,IT-A

An apple, potato, and onion all taste the same if you eat them with your nose plugged.

சாக்கடையாய் போனது அரசியல் மட்டுமல்ல சமூகமும் தான்.

மக்களாட்சி என்பது அரசியல்வாதிகளிடம் இல்லை. மக்களிடமிருந்து தொடங்க வேண்டும்.

பொய் வாக்குறுதிகள் தந்து பித்தலாட்டம் ஆடுவதாய் அரசியல்வாதிகளை சாடுகிறோம்?

நம்மில் எத்தனை பேர் பொய் பேசுவதில்லை?

சொத்துகுவித்துவிட்டதாய் புலம்புகிறோம்.

நம்மில் எத்தனை பேர் தங்கம் விரும்புவதில்லை.வீட்டுமனைகள் ஒன்றுக்கு மேல் வாங்குவதில்லை?

இயற்கை வளங்களைக் கொள்ளையடித்தார்கள் என்று குற்றம் சுமத்துகிறோம்.

நம்மில் எத்தனை பேர் பிளாஸ்டிக் பைகள் பயன்படுத்துவதில்லை?

சாதி அரசியல் குறித்து விமர்சிக்கிறோம்.

நம்மில் எத்தனை பேர் சாதி மறுத்து வாழ்கிறோம்?

சமூகமாற்றம் என்று வாய் கிழியப் பேசுகிறோம்.ஏதாவது ஒரு அமைப்பில் சேர்ந்து கொள்கிறோம்.

நம்மில் எத்தனை பேர் இல்லாதவர்களுக்கு பகிர்ந்துள்ளோம், இயலாதவர்க்காகத் தியாகம் செய்துள்ளோம்?

சாக்கடையாய் போனது அரசியல் மட்டுமல்ல - சமூகமும் தான்.

மாற்றம் நம்மிலிருந்து தொடங்க வேண்டும், முதலில் மாறுவோம், பிறகு மாற்றுவோம்."
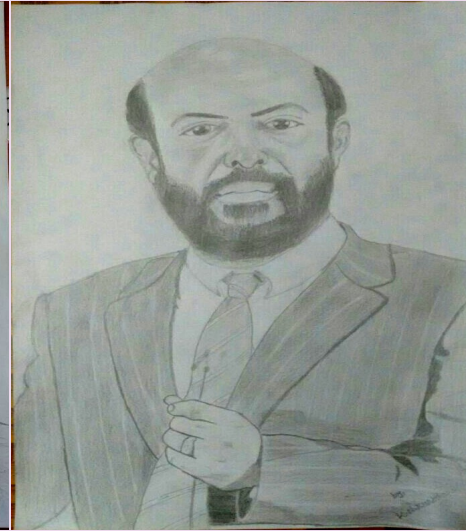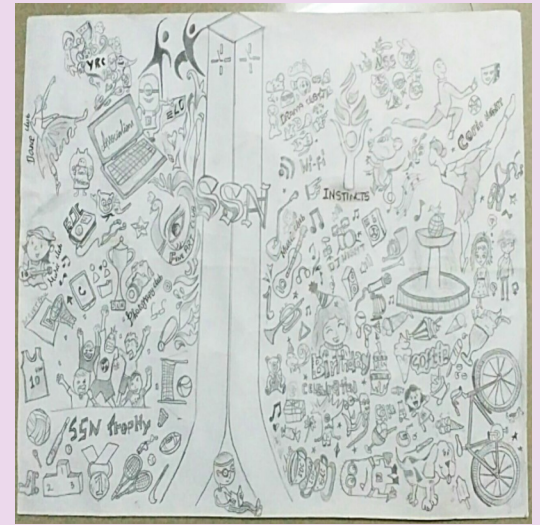
- S.Chithra (IT-A, 3rd year)

The human nose can remember 50,000 different scents.

SKETCH CORNER

K.N.Keerthana
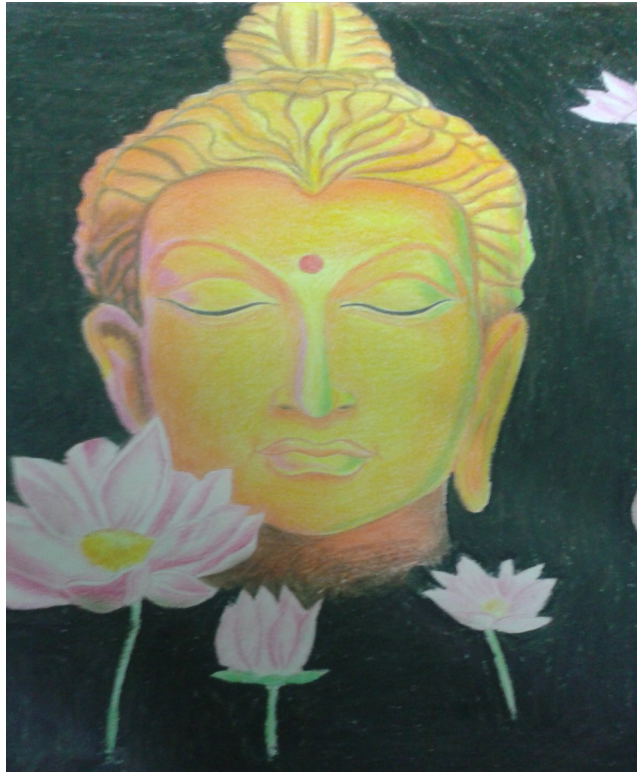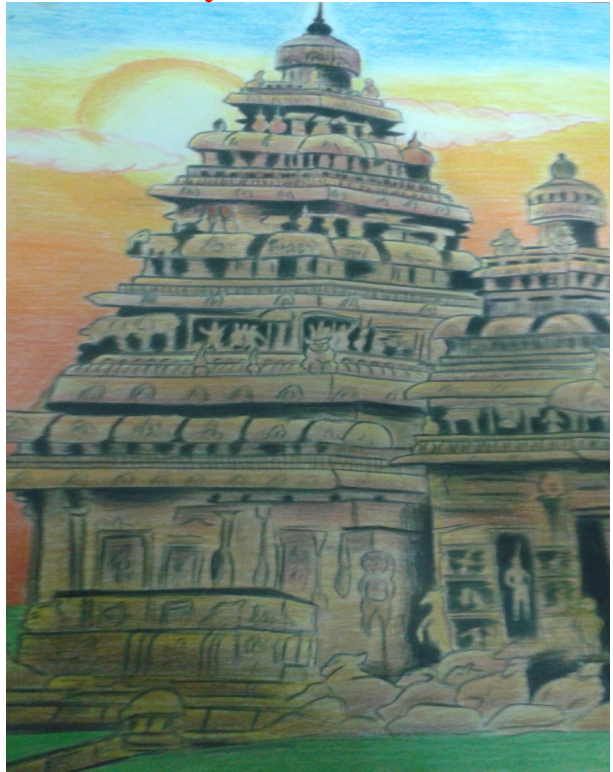
Second year, IT-A

V. Mahalakshmi

Third Year, IT A

Aashika Kumaraguru

Third year, IT A

Human saliva has a boiling point three times that of regular water.

Jothi Preetha

Third year, IT A

Sad Night into Music

Pradipta Chandra

Third year, IT B

95% of people text things they could never say in person.

FACULTY CORNER

Ph.D AWARDEES

1) Novel Techniques for the Estimation of Glottal Closure Instants From the Speech Signal

This thesis has provided new ways of performing glottal analysis and develops Glottal Closure Instants (GCI) estimation algorithms that yields high detection rate and reduces the generation of spurious instants in the non-voiced region. Three novel techniques have been proposed for estimating the GCIs directly from the speech signals and are shown to outperform most of the state-of-the-art methods.

Dr. N. Sripriya
Associate Professor

2) A Cluster Ensemble Approach using Self Tuning Spectral Clustering for   Distributed Data

In this research work, a parameter free distributed clustering framework using cluster ensemble approach has been proposed to derive a global clustering solution from the clustering's at the local site. The proposed design is successful in obtaining clustering performance equivalent to that of the centralized clustering of the data in unified space, without revealing the actual data at local sites.

Dr. S. Mohanavalli
Associate Professor

3) Biometrics for Secured Access

This research work creates a multimodal database with simple and economical acquisition techniques, and investigates the significance of multiple biometric traits such as iris, face, ear and palm dorsa vein by extracting its various features and analyzed the effectiveness of fusion among the traits in various strategies for reliable recognition of an individual. The fusion of information shows greater impact in improving the recognition rate and reduces the error rate especially when the samples are acquired in an unconstrained environment containing occlusions.

Dr. S. Poornima
Associate Professor

It snowed in the Sahara desert for 30 minutes on the 18th February

BEST TEACHER AWARD

Dr.T. Sree Sharmila
Associate Professor

Mrs. S. Sasirekha
Assistant Professor

CONGRATULATIONS

Important Facts

- Successful teachers have a script or plan ready for the first day of school.

- The most important thing to establish in the first week of school is CONSISTENCY.

- Effective teachers **teach classroom management procedures** that create consistency.

Monthly Activities

APRIL 2016

- **Mr. I. Joe Louis Paul**, AP/IT, **Ms. R. Swathika**, AP/IT, **Ms. S. Sasirekha**, AP/IT organized a National Level Project Competition VIVID 2016 for the students of B.E/B.Tech/M.E/M.Tech of IT/CSE and MCA from various Institutions to explore, enhance and exhibit their talent.

- **Dr. S. Karthika**, ASP/IT, **Ms. S.Mohanavalli**, AP/IT and **Ms. Srividya**, AP/IT organized Research Scholars' Symposium on Data Analytics and Security with 16 participants (Research scholars and PG students) from various institutions. The sessions were handled by resource persons from CTS, VIT-Chennai, TIFAC-CORE for Cyber Security & SSNCE.

- **Dr. S.Karthika**, ASP/IT, arranged a guest lecture titled, " Role of IEEE in Women Empowerment", presented by Dr. D. Vydeki, ASP/ECE, Saveetha University under IEEE WIE Affinity group.

- The paper authored by N.Natchammai, Shivani.M.R, S.Soundarya and **Dr. S. Karthika**, titled "Discovering crucial actors in a dynamic social network", was presented in National Conference on Computational Intelligence Systems (NCCIS '16), held at LICET, Chennai. The paper authored by Vishal Thanvantri Vasudevan (CSE), Srinidhi Sridharan (IT) and **Dr.G.Muneeswari, ASP/IT**, titled "Visual And Auditory Representation of Sentiment Classified Data using SVM" has been accepted for publication in the International Research Journal of Engineering and Technology (IRJET), April 2016.

- The paper authored by S. Gokula Krishnan, **Dr. S. Karthika** and Dr. S. Bose titled "Detection of Communities in Dynamic Social Networks", was presented in the IEEE sponsored 5th International Conference on Recent Trends in Information Technology (ICRTIT), held at MIT, Anna University, Chennai.

- The following students guided by **Dr.G.Muneeswari, ASP/IT,** bagged **II prize** in the paper presentation contest - " Prayatna 16", Technical Symposium, held in Madras Institute of Technology, Anna University- Chennai.
  Students: S.Priyadarsani, V.Rajalakshmi.
  Paper Title: Fault Tolerance Scheduling for Multicore Architecture.

- The following students guided by **Dr.G.Muneeswari, ASP/IT,** show cased their projects in " Prayatna 16", Technical Symposium, held in Madras Institute of Technology Anna University- Chennai Students: Nilofar Parveen R, Sophia Josephine A.

  Project Title: Smart Headphones using ElectroEncephaloGraph (EEG) Sensor

- **Dr. N.Bhalaji**, ASP/IT published article titled "Analysis of Creido Enhanced Chord Overlay Protocol Under Different Movement Models in Delay Tolerant Networks" in Wireless Personal Communications, Springer, (IF =0.65)

- **Dr. S. Karthika**, ASP/IT, attended the National Cyber Security Faculty Program conducted at CEG, Anna University, Chennai.

- **Dr.G.Muneeswari**, ASP/IT, Reviewed an article titled " Image Hiding using Improved DNA Steganography".   for International Journal of Advanced Intelligence Paradigms (IJAIP), Inderscience Publishers.

- **Dr.S.Chithra**, ASP/IT & **Dr.N.Bhalaji**, ASP/IT submitted a project proposal under the title "Design and Development of Compact Remote Condition monitoring System for Small Wind Turbines" to MNRE, New Delhi.

- **Dr.G.Muneeswari**, ASP/IT, Reviewed an article titled "An Approach for Content Retrieval from Web Pages using clustering Techniques" for World Scientific Research publications (updated list of AU).

- **Dr. N. Bhalaji**, ASP/IT published the following papers in in ICRTCSE 2016 , In association with Elsevier- Procedia Computer Science:

  G. Krishna, Gautham Krishna,(III year IT A), N.Bhalaji "Analysis of Routing Protocol for Low-Power   and Lossy Networks in IoT Real Time Applications".
  A.Prakash, M.Satish, T.Sri Sai Bhargava,(III IT B), N. Bhalaji, " Detection and mitigation of DOS attacks using stratified architecture".

- **S. Sasirekha**, AP/IT and R. Vinob chander AP/IT attended the Great Indian Developer Summit (GIDS 2016) @ J.N Tata Auditorium, IISC Bangalore.

- The extended abstract submission by **R. Vinob chander**, AP/IT "Web Services for the Internet of Things - A feasibility study." to the Ph.D. Forum of IEEE DCOSS 2016 Washington, DC has been accepted.

MAY 2016

- **Dr. P. Vasuki**, ASP/IT and **Ms. N. Radha**, AP/IT attended Workshop on Natural Language Processing, organized by Tamil Virtual Academy, Anna University, Chennai.

- **Dr.T. Nagarajan**, Prof & HoD delivered a talk on "HMM-based speech synthesis", at the Workshop on Natural Language Processing, organized by Tamil Virtual Academy, Anna University, Chennai.

- **Dr.T. Nagarajan**, Prof & HoD handled a hands-on session to develop a limited-domain unit selection-based text-to-speech synthesis system, at the Workshop on Natural Language Processing, organized by Tamil Virtual Academy, Anna University, Chennai.

- **Mr. A SandanaKaruppan**, AP/IT presented paper titled "A Heuristic based Resource Allocation Model in Cloud" in International Conference on Innovative & Emerging Trends In Engineering and Technology (ICIETET'16), Panimalar Institute of Technology, Chennai. Paper to be published in Scopus Indexed Journal.

- **Ms. Poornima.S,** AP/IT successfully completed her PhD viva voce examination on 11th May 2016 at AUT Regional Campus, Coimbatore.

- **Ms. S. Uma Maheswari**, AP/IT, participated in a Faculty Development Program on 'Effective Programming Skills' conducted by Cognizant Technology Solutions, Chennai.

- **Ms. S. Mohanavalli**, AP/IT and **Ms. Srividya**, AP/IT have published the following papers in the journal "International Journal of Advanced Computer and Engineering Technology (IJACT)":

  Asmitha J.S.,Srividya,Mohanavalli.S, "Data Fusion for Classification in Public Distribution System",COMPUSOFT, IJACT, ISSN:2320-0790, pp.110-114.

  Sundharakumar K.B.,Senthil Kumar V.,Srividya, Mohanavalli S, "Comparison of NoSQL Databases", COMPUSOFT, JACT, ISSN:2320-0790, pp.190-193.

- **Ms. Srividya**, AP/IT, delivered a lecture on Public Key Cryptosystems & RSA Algorithm in Anna University approved FDP on Cryptography and Network Security in the Department of CSE, SSNCE.
- **Dr. T. Sree Sharmila**, ASP/IT, delivered a lecture on Diffie Hellman Key Exchange and El Gamal crypto system in Anna University approved FDP on Cryptography and Network Security in the Department of CSE, SSNCE.
- **Dr. R. Srinivasan**, Prof/IT, presented a talk on RF Devices & Components in National level STTP on VLSI for Wireless Communication System Design organized by the Department of ECE, SSNCE
- **Dr. T. Sree Sharmila**, ASP/IT, delivered a lecture on X.509 Authentication Services and Elliptic curve crptography in Anna University approved FDP on Cryptography and Network Security in the Department of CSE, SSNCE.
- **Dr. S. Chitra**, ASP/IT, delivered a lecture on Kerberos Authentication Service in Anna University approved FDP on Cryptography and Network Security in the Department of CSE, SSNCE.
- **Dr. S. Chitra**, ASP/IT, delivered a lecture on PGP E-Mail Security / SMIME in Anna University approved FDP on Cryptography and Network Security in the Department of CSE, SSNCE.
- **Dr. N.Bhalaji,** ASP/IT has reviewed the following articles:

  "A Lightweight Biometrics Based Remote User Authentication Scheme for IoT Services" for IEEE Internet of Things Journal.

  "Energy Aware and Load Balanced Routing Protocol for Small Scale Manet" for Journal of Chinese Institute of Engineers (Taylor & Francis).
- The following faculty have developed course contents for HCL as a part of HCL Bridge program (Madurai & Lucknow) and is under review:

  Dr.N.Bhalaji - Computer Networks

  Mr.R.Vinobchander/Ms.S.Umamaheswari - Programming languages

  Mr.V.Arul kumar - Computer Organization

  Mr.A.Sandana Karuppan - Operating System

JULY 2016

- **Ms. S. Uma Maheshwari**, AP/IT attended summer school on speech signal processing organized by DA-IICT, Gandhinagar.
- **Dr. G. Muneeswari**, ASP/IT, reviewed two papers titled "Advanced Anomaly Intrusion Detection Technique for Host Based System Using System Call Patterns" and "Knowledge Based Security Model for Banking in Cloud", in response to the invitation from the Organizing Secretary of International Conference on Informatics and Analytics (ICIA-16), Pondicherry Engineering College, India.
- The paper authored by **L . Swetha** and **Dr. G. Muneeswari**, ASP/IT, titled "A Survey on Wearable Computers: Human Computer Interface" has been accepted for oral presentation in the "International Conference on Informatics and Analytics" (ICIA' 16) to be held in Pondicherry University during 25-26th August, 2016. **Accepted paper will be published in the ACM Digital Library and Annexure-I Journal.**

- **Ms. S. Mohanavalli**, AP/IT successfully completed her Ph.D viva-voce examination for her thesis titled *"A Cluster Ensemble Approach using Self tuning Spectral Clustering for Distributed Data"*.

- **Mr. I. Joe Louis Paul** (AP/IT) has delivered an invited talk on "Uncertainty, Surprise and Information" for schools students in an IEEE sponsored Shannon Centennial Seminar on "Information Coding Techniques" organized by IEEE Communication Society Student Chapter, Department of ECE, SSN College of Engineering in association with IEEE Information Theory Society.

- Beulah A, **Sree Sharmila T** (ASP/IT), published a paper titled "Classification of Intervertebral Disc on Lumbar MR Images using SVM" in the International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), SJBIT, Bengaluru, pp. 291-295, 2016.

- **Ms. R.Swathika** AP/IT and **Mr. A.SandanaKaruppan** AP/IT organized guest lecture on" Evolutionary Computation and Applications" by Prof. Susmita Ghosh, Professor, Department of Computer Science and Engineering, Jadavpur University, Kolkata. for third year and PG students.

- **Ms. R.Swathika** AP/IT and **Mr. A.SandanaKaruppan** AP/IT organized guest lecture on" Cyber Warfare and Security Measures" with "National Cyber Defence Research Centre (NCDRC)" by Dr.Harish Ramani, Director & Chief Technology Officer,Internettechies Solutions Pvt. Ltd. for third year and final year students.

AUGUST 2016

- **Ms. N. Sripriya** successfully completed her Ph.D. viva-voce examination of her thesis titled "Novel Techniques for the Estimation of Glottal Closure Instants from the Speech Signal" under the guidance of Dr.T.Nagarajan, Prof/IT.

- **Dr. T. Sree Sharmila**, ASP/IT and **Ms. R. Swathika**, AP/IT presented a paper titled "Environmental changes in dumpyard sites: A case study of Pallikaranai dumpyard, Chennai, Tamil Nadu" in the international conference on Smart Trends for Information Technology and Computer Communication (Smartcom 2016) at Hotel Four Points by Sheraton, Jaipur, Rajasthan. (same will be published in Springer)

- **Dr. S. Chitra**, ASP/IT was invited as judge for Paper presentation event for the National level Technical Symposium "DREADNOUGHT 16"in the Department of Information Technology, Sri Sairam Institute of Technology, Chennai.

- **Dr. S. Karthika**, ASP/IT presented the paper titled "IBeH: Naïve Community Detection Methodology for Dark Social Network" in the International conference on Informatics & Analytics (ICIA'16) organized by Pondicherry Engineering College, Pondicherry.

- **Ms. R. Swathika,** AP/IT presented the following paper in the IEEE sponsored International conference on Inventive Computation Technologies (ICICT 2016) organized by RVS technical campus, Coimbatore and Inventive Research Organization,India.

    Swathika R, T Sreesharmila "Emergency exit sign detection system for visually impaired people".

- **Dr. P.Vasuki**, ASP/IT presented the paper tiltled "Emotion Recognition using Ensemble of Cepstral, Perceptual and Temporal features" in the IEEE sponsored International conference on Inventive Computation Technologies (ICICT 2016) organized by RVS technical campus, Coimbatore and Inventive Research Organization,India

- **Ms. N. Radha**, AP/IT presented the paper tilted "Video Retrieval using Speech and Text In Video" in the IEEE sponsored International conference on Inventive Computation Technologies (ICICT2016) organized by RVS technical campus, Coimbatore and Inventive Research Organization,India.

- **Dr. S.Karthika**, ASP/IT, arranged a guest lecture titled, "IEEE Xplore Digital Library: Delivering Research Better Than Ever", presented by Mr. Dhanu Pattanashetti, BE, MLISc, IEEE Client Services/University Partnership Program Manager, under IEEE WIE Affinity group.

- **Dr. R. Srinivasan** published the following paper:

  MaranPonnambalam, Vinodthkumar N, Srinivasan R, Premanand Chandramani, "Phase displacement study in MOSFET based ring VCOs due to heavy-ion irradiation using 3D-TCAD and circuit simulation", Microelectronics Reliability, Elsevier, August 2016.

SEPTEMBER 2016

- **Ms. S. Sasirekha**, Asst.Prof/IT gave an invited talk on "Hadoop Programming" organized by Department of Information Technology at Tagore Engineering College,Chennai.

- The following paper was presented at the 15th Tamil Internet Conference, Gandhigram Rural Institute, Dindigul, and was awarded the Best Paper award.

  "Phone Mapping-based Mixed-language synthesizer for Tamil and Indian English", V. Sherlin Solomi, G. Anushiya Rachel, P.Vijayalakshmi, T. Nagarajan, 15th Tamil Internet Conference, Gandhigram Rural Institute, Dindigul, 2016.

- **Dr. T. Nagarajan**, Prof & HOD, IT handled a tutorial session on the topic "Tamil Text-to-Speech synthesis" in the 15th Tamil Internet Conference at Gandhigram Rural Institute, Dindigul.

- **Ms. S. Sasirekha**, Asst.Prof/IT participated and presented a paper titled " Collaboration of IoT devices using semantically Enabled Resource Oriented Middleware" in VisionNet'16 Co-affiliated with International Conference on Applied Soft computing and Communication Networks (ACN'16) held at The LNM Institute of Information Technology, Jaipur, Rajasthan. The paper will be published in the ACM Digital Library (ISBN No. 978-1-4503-4301-5)

- **Dr.G.Muneeswari**, Assoc.Prof, IT, inaugurated the Association of Computer Science and Engineering and gave talk on the topic "Introduction to Open Source Technology" as part of Research oriented FDP at Sree Vidyanikethan Engineering College, Tirupati, Andra Pradesh.

OCTOBER 2016

- **Mr. A Sandana Karuppan**, AP/IT attended two day national workshop on "Internet of Things" organized by Anna university, MIT campus, Chrompet, Chennai.

- **Ms. E.M.Malathy** AP/IT participated in Faculty development program on " Expectation and future of IT industry at Cognizant , Chennai

- **Ms. S. Sasirekha**, AP/IT gave an invited talk on "Enterprise Application Integration and SOA" organized by Department of Information Technology at GKM College of Engineering and Technology College, Chennai

- The following project submitted for internal funding   by **Dr.P.Vasuki,** ASP/IT   & **Mr.V.Thanikachalam**, AP/IT, has been approved:

    Title: Cognitive model based intelligent interactive tutoring system to assist students to improve their programming skill.Duration: 2 Years.

- Student projects submitted for internal funding by IT departement students guided by the following faculty members, have been approved:

    Dr. R. Srinivasan, Prof/IT, Dr. T.Sree Sharmila, ASP/IT,   Dr.S.Chithra, ASP/IT, Dr. N. Bhalaji, ASP/IT, Dr. G. Muneeswari, ASP/IT, Dr. S. Karthika, ASP/IT, Dr. S. Poornima, ASP/IT,   Dr. N.Sripriya, ASP/IT, Mr. V.Sivamurugan, ASP/IT, Mr. I. Joe Louis Paul, AP/IT, Mr. R. Vinob Chander, AP/IT, Ms. S. Sasirekha, AP/IT.

- The following paper submitted by **Dr.A. Shahina**, Prof/IT and **Ms.N.Radha**, AP/IT has been accepted for publication :

    N Radha, A Shahina, A Nayeemulla Khan, "An Improved Visual Speech Recognition of Isolated Words using Combined Pixel and Geometric Features", Indian Journal of Science and Technology (Thomson reuters & Scopus Indexing).
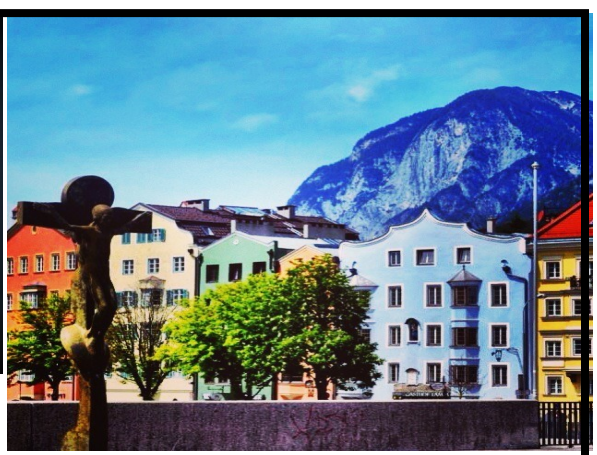
NOVEMBER 2016

- **Dr. T. Sree Sharmila**, ASP/IT received the travel grant from DST (Young scientist) for presenting the paper in IEEE TENCON 2016 at Marina Bay Sand, Singapore on 22nd -25th November 2016.

- **N.Bhalaji**.et.al article titled "Mining Frequent And Infrequent Aspect Extraction For Sentiment Classification Using Online Reviews" Journal of Computational and Theoretical Nanoscience, (IF = 1.665).

- **Mr. R. Vinob Chander**, AP,IT, was an organizing committee member for International Conference on Big Data and Data Analytics 16-17 Dec. 2016, Kanchipuram.

- **Mr. R. Vinob Chander**, AP,IT, was a reviewer for IEEE International Conference on Computer, Communication, and Signal Processing Jan 10-11, 2017.

- **Mr. R. Vinob Chander,** AP,IT, attended a Xively Webinar on "Getting started with the IoT: The Building Blocks for a Successful IoT Business"

- **Mr. R. Vinob Chander,** AP,IT, attended the IDC Web Conference, "IDC Future Scape: WorldWide Internet of Things (IoT) 2017 Predictions"

- **Mr. R. Vinob Chander,** AP,IT, attended the LinkLabs Webinar on "Selecting an LPWAN Option in a LTE-M & Narrowband IOT World"

- **Dr. P. Vasuki,** ASP/IT & B. Saambavi Published a paper on National level, "Construction and evaluation of Children Speech Emotion Corpus " in International Symposium FRONTIERS OF RESEARCH ON SPEECH AND MUSIC.

- **Ms. J. K. Josephine Julina,** AP IT, was a reviewer for IEEE International Conference on Computer, Communication, and Signal Processing Jan 10-11, 2017

- **Dr. P. Vasuki** ASP/IT, Soumya A and Sreeja.D, published paper titled " VOICE-IT – An Interactive Aid to Generate Official Application by Converting L-Form of Diglossial Hindi Speech To H-Form Text " in Acoustics for Quality Improvement in Life – International symposium on Acoustics for Engineering Applications –NSA 2016

- **Mr. R. Vinob Chander,** AP,IT, attended the IEEE Communication Society Webinar: "ComSoc 5G Webinar Series: 5G's Role in the Internet of Things"

- **Dr. T. Sree Sharmila,**ASP/IT and **Ms. J. Sofia Jennifer,** AP/IT presented the following paper in IEEE TENCON 2016, Singapore:

    Swathika R, Sree Sharmila T, "Multi-resolution spatial incorporation for MODIS and LANDSAT image fusion using CSSTARFM"

    Sofia Jennifer J, Sree Sharmila T and Srinivasan R, "Facial feature extraction for head tilt images based on eye canthus"

- **Dr. T. Sree Sharmila,** ASP/IT chaired the Oral Interactive Forum in IEEE TENCON 2016 at Marina Bay Sand, Singapore.

- **Dr. T. Sree Sharmila,** ASP/IT and Ms. J. Sofia Jennifer, AP/IT attended IEEE HardTech Summit 2016 at Nanyang Technological University, Singapore.

- **N.Bhalaji**.et.al article "Analysis Of Clustered QoS Routing Protocol For Distributed Wireless Sensor Network" accepted for publication in computers and electrical engineering, Elsevier (IF = 1.084).

Facebook facts!

- Facebook stores approximately 300 PETABYTES of user data on its servers.

- Facebook's user base grows by eight people per second, or 7,246 people every 15 minutes.

When Cameras Go Crazy!

Prathana Dar
Third year, IT B

P.T.R. Karthikeyan

Third year, IT A

A baby octopus is about the size of a flea when it is born.

SPECIAL CORNERS-WHEN PASSION OVERULES YOU!

Lokeshwar Krishnakumar
Third year, IT A
His photos were selected for final round of
Pulse2k16 online photography contest.
College-SVCE

A small child could swim through the veins of a blue whale.

WHEN LOVE BECOME PASSION

Jerold Jacob
IT-A (3rd year)

EDITORIAL BOARD

MESSAGE FROM EDITORS

Heartfelt thanks to all the contributors and readers... Here's hoping you like this edition of our IT department magazine — IDENTITY !!

Student Incharge

Pradipta Chandra - 3rd year, IT B

K. Aashika - 3rd year, IT A

RM. Kalyani - 3rd year, IT A

Ebeneezer Ajay Williams - 3rd year, IT A

Faculty Incharge

Dr. T. Nagarajan

Dr. S. Karthika

Ms. S. Vidhusha