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INDEX

S.NO.	CONTENT	AUTHOR	PAGE NO.
1.	Smart India Hackathon 2017	Sai Vignesh S	1
2.	IEEE International Conference - ICCSP - 2017	ICCCSP Team	2
3.	Intra - Department Club Activity		3
4.	The Glowing Moon	Pradipta Chandra	4
5.	The Mini Cuisine Connoisseur	Jananie Balaji	6
6.	Virtual Reality - The Master of Technologies	Jeyagouri S	7
7.	The Boundless Run	Prashanthi B	8
8.	Beautiful Math	Chandramowli J	10
9.	Crazy Mathematics	Murugappan S	11
10.	Family	Pradipta Chandra	13
11.	விவசாயம் காப்போம்! வருங்காலம் அமைப்போம்!!	Anjana S	14
12.	சுமை	Dharshini S	17
13.	இமில் நவிலும் தமிழ்க் கலாச்சாரம்	Geetha R & Pavithra LK	19
14.	Situations	Jayaram Hariharakrishnan	22
15.	Phishing attacks and measures to protect	Sashaank PM	24
16.	5 tips to prevent becoming a Ransomware victim	Sangavi V	27
17.	Event Corner		29
18.	Faculty Corner		36
19.	Click-'o'-Philic	Photographer's Team	48
20.	Strokes Speak		53

Hear it from the finalists of SMART INDIA HACKATHON 2017



Smart India Hackathon 2017 is a pan India 36 hour nonstop digital programming competition. It will harness the creativity of millions of bright young minds.

We the Tricoders developed an android application named **“Emergency Help”**. Our idea and proposal got selected for prelims round under the category of Airport Authority of India, Ministry of Civil Aviation.

Our application stores the emergency contact numbers of an user. Then, whenever the user presses the “Save Me” button, the apps starts recording audio and video for 15 seconds, fetches current location of the user and it uploads the media and current location to the cloud. It then sends all the information to the emergency contacts, police number and rescue centers (via e-mail).

Our nodal centre was at Civil Aviation Training College, Allahabad. We developed our application within 36 hours with 3 rounds of mentoring and judging.

Based on these judging rounds, we got selected as the top 8th finalist among 61 teams.

We would like to thank our mentors Mr. R.Vinob Chander and Mrs. S.Sasirekha for their constant support and encouragement!

-SAI VIGNESH.S, IT-B 3rd year

Kudos to the team members!

1. S. Sai Vignesh
2. K. Rajesh
3. Raxit S.Jain
4. J. Nadeem Sheriff
5. M. R. Shivani
6. B. Vignesh
(IT – B, 3rd year)

2017 IEEE International Conference on Computer, Communication, and Signal Processing - ICCSP - 2017

2017 IEEE International Conference on Computer, Communication, and Signal Processing with a special focus on IoT, was organized by the Department of Information Technology on 10th and 11th January, 2017. The organizers of the conference were Dr. T.Nagarajan, Prof & HoD, Dr. T. Sree Sharmila, ASP and Dr. S. Karthika, ASP.



ICCCSP - Team received the kind consent from the International speakers **Prof. Yong Meng TEO**, Department of Computer Science, National University of Singapore, **Prof. Vitaliy Mezhuvey**, Department of Computer Systems, and Software Engineering, University of Malaysia, Pahang and **Mr. Murugan Achanaicker**, Engineering Manager – COE, Magna Closures, United States to deliver the keynote address. We are also joined by the National speakers **Dr. V. N. Mani** - E, DeitY, **Dr. S. Krishna Kumar**, Senior Technical Officer, DRDO, Avadi, **Dr. R. Venaktesh Babu**, A IISc Bengaluru and **Mr. Arun Kumar**, Manager – Global Technology Office, CTS, Chennai for sharing the expertise in their relevant research areas. The conference received 115 paper submissions from various countries like South Africa, China, Russia and Sri Lanka and from various states like Kerala, Maharashtra, Gujarat, Uttar Pradesh, Kolkata etc. The ICCSP review committee has accepted 67 submissions based on the reviewers' comments and the similarity check reports. We are happy to share that 50 participants have shown keen interest in our event and have registered for oral presentation.



India has the largest postal network in the world with over 1, 55,015 post offices.



INTRA-DEPARTMENT CLUB ACTIVITIES

*And here is the most unique initiative from IT department,
"The Intra-Department Clubs"!!*

The Intra Department Clubs have been established this year to create a long-lasting bond between the final year students and the juniors of IT department. It aims to improve skills in their fields of interest including competitive programming, Data Science, etc. and also to gain knowledge about higher studies and placements from the seniors. It would thus ensure maximum exposure!

1. Intra- Department Club Activity – For Higher Studies

The First Intra-Department club activity for higher studies was conducted on 15-3-2017 in the IT Seminar Hall. The second and third year students were addressed by T.Sri Sai Bhargav, K. Sri Vishnu Kumar and M.Vaikkunth of final year.

The points of discussion were:

1. Basic eligibility criteria for admission in various Universities
2. Structuring LoR
3. Prerequisites to be carried on in second and third year
4. Sharing of self experience

2. Intra- Department Club Activity – For Data Science

The Second Intra-Department club activity for data science was conducted on 20-3-2017 in the IT Seminar Hall. The second and third year students were addressed by K. Sri Vishnu Kumar of final year who gave an insight on Artificial Intelligence. He introduced about various machine learning algorithms in analytics and demonstrated a deep learning tool used for sentiment analysis.

A mole can dig a tunnel that is 300 feet long in only one night.

THE GLOWING MOON

She wished to be there, high up in the sky
Among millions of stars, that one glowing moon!
But she stopped and thought, Cuz her heart was dry,
Was it too big to wish for too soon?

Her heart skipped a beat, Cuz the answer was no...
She had to prepare, for the storm accompanied the snow.
Her heart was calm and her eyes on fire,
She knew she had to fulfill her heart's desire.

Off she went, raging across the sea,
She had to find her destiny
Cutting through the howling winds and showers,
Cuz she wasn't meant to be adorned with the flowers.



People mocked, people hurt her pride
She is a girl, they said, and she must be a bride!
People looked at her and said, "Oh, she is not strong",
But she smiled and replied, "I am here to prove you wrong!"

She was a warrior, she knew, not a princess,
Armor of determination, mind never a mess.
Her sword was her will, her hands not shivering,
She brawled, she thrived, focus not quivering.

At last, she won her battle, the little girl overjoyed
The world was in awe, she was a complete wonder.
She won, like a real hero, her haters annoyed
She ruled the sky, glowing more than any other.



PRADIPTA CHANDRA
IT-B, III YEAR.

The Mini Cuisine Connoisseur

I believe, having an eclectic, full-tummy meal is always a bliss, be it a rich one at the restaurant or a simple one at home!

My fascination for food is everlasting! This love for food made me an inherent fan and fad of cooking as well!

Cooking without fire classes attracted me however, my busy student life never permitted me to pursue this hobby. However, this yearning desire to master the art of cooking drove me into the Google world!



My mom, who is herself an excellent and innovative cook encouraged me to learn more with the apron on! According to her, a chef is never a master but forever a student and half lessons and half experience makes a perfect broth!

As time progressed, my love for my own broth bloomed and I started experimenting with the salt and pepper with YouTube videos on! The tutelage, narration and demos are so lively that one gets to learn everything except the aroma and taste! New recipes mushroomed, making minor changes in mom's old ones, in all kinds of dishes, from a homemade biriyani to burger patty to baking homemade cookies, pizza bases and noodle mania!

Vahrevah.com, Showmethecurry.com and Dosa2pizza.com became some of my favourite links!

I drew inspiration from many who post online videos of recipes out of sheer passion apart from their daily sphere of routine activities and their jobs too! Some were office goers and a few were just students like me!

Patience is the most important ingredient for all recipes! Making sweets according to the long traditional procedures were often annoying and tedious and nothing comes out perfect in the first go! It wasn't a bed of roses learning these multiplex ingredients, but pure interest, encouragement and love for food drove me!

In this world of ours, the Internet has helped groom scholars, singers, stand-up comedians and sportsmen. In a way it also helps groom my hobby of cooking too.

Today, I may not be a Jamie Oliver or Sanjeev Kapoor, but with Google and YouTube swaying in my kitchen, I'll definitely become a mini Cuisine Connoisseur in the years to come!!

Jananie Balaji
IT A ,1st year



India was the first country to develop extraction and purifying techniques of sugar.

VIRTUAL REALITY

-The master of technologies

Have you experienced the phenomenal technology which brings the simulated objects to life? Oculus Rift, the don of virtual reality technology that completely immerses us in a virtual world. It is a combination of the immersive power of rift with the magic of hand presence. Rift is unlike anything you've ever experienced.

Whether you're stepping into your best-loved game, watching an immersive VR film, jumping to a des you'll feel like you're really there.

Rift's advanced display technology combined with its precise, low-latency constellation tracking system enables the sensation of presence – the feeling as though you're actually there. The magic of presence changes everything. It also supports and detects natural gestures and movements.

Psychologists and other medical professionals are using VR to heighten traditional therapy methods and find effective solutions for treatments of PTSD, anxiety and social disorders. Doctors are employing VR to train medical students in surgery, treat patients' pains and even help paraplegics regain body functions.

In business, a variety of industries are benefiting from VR. Carmakers are creating safer vehicles, architects are constructing stronger buildings and even travel agencies are using it to simplify vacation planning. These environments enable members of the public to engage with the exhibits in ways which were previously forbidden or unknown. They wear virtual reality glasses with stereoscopic lenses which allow them to see 3D objects and at different angles. And in some cases they can interact with the exhibits by means of an input device such as a data glove.

Telecommunications can be used to help virtual reality systems such as surgery simulation or telemedicine. An example of this is remote surgery in which images from that surgery can be transmitted to various locations around the world. It also enables surgery to be performed in remote locations using robotic technology and virtual reality.

In every generation, there is a technology that defines them. For our parents, it was the internet. For us, it is the iPhone. For the next generation —our kids, grandkids —it will be virtual reality.



JEYAGOURI .S
IT-A, 3rd year

The Boundless Run...



Exam pressure, boards, pressure to get above the cut off, getting into a good college, getting a good job, getting married, buying a house, paying the taxes and on and on..... Writing that, tired me. Responsibilities and duties forever. Our lives are filled with a constant pressure to fulfill all these callings. But when are we really going to enjoy life at all? All our lives, we keep running. But *where are we going? Where are we running?* All of us are just going with the crowd. There might be a few who'd stand out of the way, and these people are the people who are happy. No, they may or may not be successful, they may or may not be rich, they may or may not have an Audi, but they are happy. In the end, isn't that all that our hearts want?

I'm sure all of the 90's kids, which is my generation, would say that they enjoyed their school life the most. That was the time when none of us had any idea about the liabilities and pressure that life offers. But how many of the current generation kids can really say that? Running between IIT coaching and NEET coaching, where is the time for these kids to play hide and seek, lock and key and color man?

What is the fun in life if we have it all planned out? Hey don't get me wrong, I do plan for my near future. But seriously, what does a 6th grader know? Why would anyone want to put a small kid into IIT coaching classes at an age when he should be coming back from school eager to play cricket with his friends rather than sulking to go to coaching classes? Yes, in the end my question is, *where are we running?*

Life sometimes gives us signs to slow down in life. Some people figure it out pretty well, but others, they get torn up by life and then realize it. But in this world that is running so fast, if all of us would take a moment to breathe and look around us, we'd realize on how many things we are missing out. If you have figured out that you are running to fast in this life, this is just a gentle remainder. But if you haven't, well then for your own good, pause and then continue running, because it'll help you run faster. Take a break. Go on a trip. Sleep. Eat. Meet up with your old friends. Spend time with your family. Play. Go for a walk. Watch the sunrise and sunset, enjoy the beauty of nature. All this might seem inane, but in all conscience it'd help you gain momentum.

Just because the world offers you a schedule to follow, it doesn't mean you have to abide by it. You don't have to do Engineering just because your opposite house *maami* tells you it has great opportunities. Do it, if you like it. You don't like engineering? Don't do it. The same goes for anything you do in life. The only things you are responsible for in your life are the decisions you take, so make sure they are yours. That doesn't mean you shouldn't to listen to your parents (they give you the best advice!), just don't make it their life.

To be precise, live your life in the moment and do what you like. If you feel you are rushing in life, take a break. There is nothing is wrong in that. Do whatever you do with your whole heart and happiness will trail. Be kind and do good, life is really not that complicated.

-PRASHANTHI.B, IT-B 2nd year

Beautiful Math

Whenever we face a problem in any field, Math always comes to rescue. I was given a problem by my friend and that day I realised how small observations can help us, solve large problems.

Problem Statement: Find the last digit of $12^{10000000000}$.

I tried various strategies to come up with a solution but all in vain. He was standing there eager to tell the answer but he did not reveal the answer directly. He gave me a hint by writing this in a piece of paper:

$$12^1 = 12$$

$$12^2 = 144$$

$$12^3 = 1728$$

$$12^4 = 20736$$

$$12^5 = 248832$$



As he wrote this, it all came hard to me that **the last digit of a number raised to a power repeats after an interval**. Here we see that 12^1 , 12^5 , 12^9 ends with 2. I have never observed this even though I have used it numerous times. As soon as I realised this I took a paper and divided 10000000000 by 4 to get a remainder. The remainder is 0 which means that $12^{10000000000}$ ends with a number 6.

Okay what to do when the base is also a very huge number? It is very simple. Take the last digit of the base and multiply it with the same number numerous times till you get a pattern. After that, use the above strategy to find the solution.

I take an example here: What is the last digit of $1234567^{1234567}$?

Step1: Take the last digit of base and multiply and consider the units place alone. Do this till you get a pattern.

$$7^1 = 7$$

$$7^2 = 49$$

$$7^3 = 343$$

$$7^4 = 2401$$

$$7^5 = 16807$$

So we find a pattern here: 7, 9, 3, 1, 7, 9, 3, 1,

Here there are 4 distinct values: 7, 9, 3, 1.

1234567 / 4 gives a remainder 3.

The number has the **3rd distinct value ie. 3** as its units digit.

IT – A, 3rd year

Crazy Mathematics

When I was in the 12th grade, I attended a math conference where we were taught some advanced topics like FFT, laws of reciprocity, ring theory etc. And then we had a blackboard session where a unique question will be given to each and every student and will be asked to solve it in front of the entire mob within 20 minutes. The question which I received was,

Can you prove $0.999999\dots$ (infinite 9s' after the decimal point) = 1?

Since I was the only school student in that conference, I approached the professor and told him that the question was too tough for my knowledge. He replied me "You are the only one who can solve this question. Because other students who are pursuing their under graduation would have forgotten the basics. So why don't you give it a try?". Then I started thinking of a solution surprisingly I got two solutions.

Solution 1:

$0.99\dots = 9/10 + 9/100 + 9/1000 + 9/10000\dots 9/(10^n)$ where n tends to infinity. This is a geometric progression with infinite terms where the first term is $9/10$ and the common ratio is $1/10$. So the sum is $(9/10)/(1-1/10) = 1$

Solution 2:

Let x be $0.99\dots$ which implies $10*x = 9.99\dots$. Therefore $9*x = 9$. That is $x = 1$.

But I didn't know the reason behind this astonishing result. So I asked the professor for some help. He answered me very politely. The answer was

"For any two rational numbers to be distinct there must be at least one terminating rational number between them. For example $0.3333\dots$ and 0.34 are distinct because 0.334 exists. But between $0.99\dots$ and 1 there is no such number because the difference between them tends to 0 ."



The lesson that I learnt from that session is "Always analyse the problem and try to solve it within the scope of your knowledge before giving up".

-MURUGAPPAN.S

IT-A, 2nd year



What's a family?

Is it just the parents and the children?

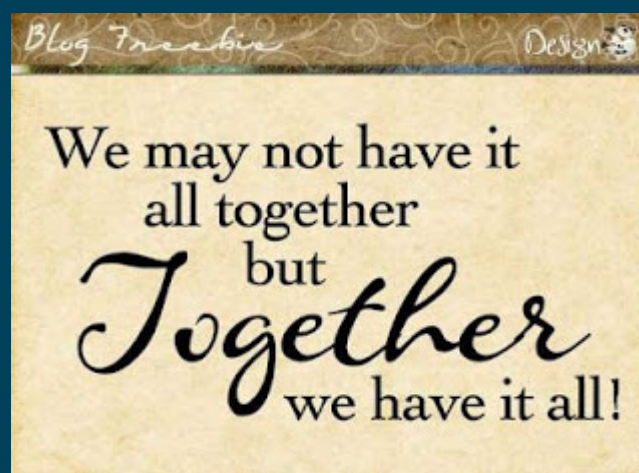
is it just about joint and nuclear?

Or is it something more?

Yes, it is something more. A family doesn't just mean parents and children. it means togetherness! It represents bonding, sharing, and mutual understanding.

In a family, we feel accepted and loved. It is a blessing for us. We don't get to choose our family. It is a gift that God gives to us, just like we are to them. Family brings us home, no matter where we are. It's that feeling of unconditional love that never allows us to drift apart. We keep running back to where our heart remains, to our family.

My family consists of my mom, dad, and my little sister. They are my best friends. I can't imagine my life without them. From college gossips to workloads, we share everything. Starting from the debate on Love marriages Vs Arranged marriages, to boys, my mom is a constant participant. We fight, we scream, we scold each other, but the sense of togetherness is a never-fading feeling.



I have another family, and that's my "CLASS FAMILY". The constant sense of belonging to a group is what makes college life interesting. Those trekking memories, those late night talks, sharing food at night 2 o'clock, these things are irreplaceable. Friends help to make memories, family stays in them. That's the most amazing part about being in a family. We might not have it all together, but together, we have it all. The family is the anchor that holds us in the choppy world. The family is a gift, and we should cherish it. Many people don't have the opportunity to even feel what it is like to be part of one. Let's make this world a smaller place for our bigger family.

Our most treasured heirlooms
are the memories of our family



PRADIPTA CHANDRA

IT -B, III YEAR

விவசாயம் காப்போம்! வருங்காலம் அமைப்போம்!!

“சுழன்றும் ஏர்பின்னது உலகம், அதனால்
உழந்தும் உழவே தலை.” - திருவள்ளுவர்
நம் நாட்டின் தலையாய தொழிலாக தொன்றுதொட்டு விளங்கும்
தொழில்விவசாயம்.

**“விவசாயி சேற்றில் கால் வைத்தால் தான் நாம் சோற்றில் கை
வைக்கமுடியும்”**

ஆனால் நம்மில் எத்துனை பேருக்கு தெரியும் சமீபத்தில் சுமார் 140க்கும்
மேற்பட்ட விவசாயிகள் தற்கொலை செய்து கொண்டனர் என்று. **“தனி
ஒருவனுக்கு உணவில்லையெனில் ஜகத்தினை அழித்திடுவோம்
தோழா”** என்றார் பாரதி. ஆனால் நம் ஒவ்வொருவருக்கும்

உணவளிக்கும் எழை விவசாயியின் இன்றைய நிலைதான் என்ன!!
மழைபொய்த்ததால் நீரின்றி, போதிய நீர் ஆதாரங்கள் பயன்படாத
நிலையில் இருப்பதால் தகுந்த நேரத்தில் உதவி கிட்டாததாலும்,

கடினமான உழைப்பின்பின்னாலும்
விவசாயிகளால் வேளாண்
கடன்களைதீர்க்க முடியாமல்

தற்கொலைக்கு ஆளாகும் நிலை
ஏற்பட்டுவிட்டது.



இன்றைய நவீனமயமாக்களில் நாம்
எல்லோரும் நவீன தொழில்
நுட்பங்களுக்கு அடிமையாகி அதை
நோக்கியே சென்று

கொண்டிருக்கின்றோம் இந்தியாவின் இளைய தலைமுறையின்
படிப்பறிவு அனைத்தும் பிற நாட்டு தொழில்நுட்பங்களை
வளர்பதிலேயே நாம் செலவிட்டு கொண்டிருக்கின்றோம்.

நம் அறிவு வளத்தை நம் நாட்டு மக்களுக்கு பயன்பெறுமாறு
சிந்திப்பதற்கு கூட நேரமில்லை நினைப்பதுமில்லை அப்படிப்பட்ட
சுயநலநோக்கத் தோடு நாம் வாழ்க்கையை வாழ்ந்து
கொண்டிருக்கின்றோம்.

தற்போதய நிலைக்கு காரணிகளாக விளங்குபவை பருவநிலை
மாற்றம் மழையின்மை சுற்றுப்புற சூழல் கேடு உலக
வெப்பமயமாதல் இவையனைத்துக்கும் காரணம் நாம் தான் நம்
தற்போதைய சுயநலதிட்டங்களுக்காக மரங்களை வெட்டுதல் நீர்
ஆதாரங்களை அழித்தல் பல விவசாய நிலங்களை அழித்து
தொழிற்சாலைகளாகவும் பல மாடி குடியிருப்புகளாகவும்
மாற்றுவதால் நிலவளம் நீர்வளம் குன்றி விவசாயிகள்
கிராமங்களிலிருந்து நகரங்களை நோக்கி குடியேறும் அபாயம்
ஏற்பட்டுள்ளது.

இவ்வாறு குடியேறும் விவசாயிகளின் வாழ்க்கைத்தரம் பாதிக்கப்படுவதோடு இல்லாமல் நிலம் அதன் தரத்தை இழந்து பயிரிட முடியாத நிலைக்கு ஆளாகிறது தற்போதய நிலத்தரமிழப்பு நிலை நீடித்தால் உலகம் ஆம் ஆண்டில் வெறும் சதவிகிதத்தினருக்கு மட்டுமே உணவளிக்க முடியும் நாம் எல்லோரும் இன்றைய சுயநலத்தையும் சுகத்தையும் மட்டுமே சிந்திக்கின்றோம் நம் வருங்கால சந்ததியினர் வறுமையாலும் உணவு நீர் தட்டுபாட்டினாலும் வாழப்போகின்றனர் என்ற உண்மையை உணர்ந்தால் கண்டிப்பாக ஒரு விவசாய எழுச்சியை ஏற்படுத்த முடியும்.

இன்றைய இந்தியாவில் 41%க்கு மேற்பட்ட மக்கள் 20 வயதுக்குப்பட்ட இளைய சமுதாயம் என்பதை நினைவில் கொள்ளவேண்டும். நாளைய வளமான இந்தியா இன்றைய இளைஞர்களின் கையில். இதை கருத்தில் கொண்டு கல்வி நிறுவனங்கள், பல்கலைக்கழகங்கள் இளைஞர்களின் பட்டபடிப்பில் வேளாண் கல்வியை கட்டாய பாடமாக கொண்டுவரவேண்டும். இந்தியாவின் அடிப்படை தொழிலான விவசாயத்தை அனைவரும் அறிந்திருத்தல் வேண்டும். அப்போதுதான் விவசாயிகள் படும் பாடு மற்றும் உழைப்பைப்பற்றி அறிய முடியும். ஜல்லிக்கட்டுக்காக நம் இளைய சமுதாயம் நடத்திய போராட்டம் போல்விவசாயிகளின் வாழ்வுக்காகவும் ஒன்றுப்பட்டு நின்று அவர்களுக்கு உதவ வேண்டும் ஆண்டுதோறும் வட இந்தியாவில் ஏற்படும் வெள்ளப்பெருக்கால் வட மாநிலங்களில் கடும் வெள்ளச்சேதம் ஏற்பட்டு நாசம் ஏற்படுகிறது அந்த வெள்ள நீர் பயன்படாமல் அழிவை ஏற்படுத்தி கடலில் போய் சேர்கிறது இந்த நிலையை கண்ட பாரதி அன்றே சொன்னார்,

**“வங்கத்தில் ஓடி வரும் நீரின் மிகையால்
மையத்து நாடுகளில் பயிர் செய்குவோம்”-**

நதிநீர் இணைப்பு சாத்தியம் என்று அந்த கவி சொன்ன வார்த்தைகளை இன்றுவரை யாரும் சிந்திக்கவில்லை அந்த வட இந்தியா நதிகளைதென் இந்தியா நதிகளுடன் இணைத்தால் பிற்காலத்தில் இந்தியாவில் தண்ணீர் பஞ்சம் என்ற பேச்சுக்கே இடமில்லை சிந்திப்போமா இளைஞர்களே செயல்படுவோமா!!

பழம்பெரும் இந்திய காவியத்தில் ராமன் சீதையை மீட்க இராமேஸ்வரத்திற்கும், இலங்கைக்கும் பாலம் கட்டி, கடல் கடந்து சென்றனர், நம் முப்பாட்டன்மார். இராஜராஜசோழரும், கரிகால் சோழரும் அணைகள் கட்டி பல அறிய பெரிய செயல்களை செய்தனர். அப்படி நம் முன்னோர் இருக்க நாமோ தண்ணீருக்காக கையேந்தி நிற்கின்றோம். இந்த நிலை நீடித்தால் வருங்கால சந்ததியின் நிலை என்னாகுமோ!! விவசாயத்தின் வருங்காலம் என்னாகுமோ!! காந்தி சொன்னார் “இந்தியாவின் வருங்காலம் கிராமங்களில் உள்ளது”.

கலாம் சொன்னார் “ இந்தியாவின் வருங்காலம் இளைஞர்களின் கையில்”.

அதனால் இந்தியாவின் நிலை விவசாயத்தால் மட்டுமே உயரமுடியும் என்று காந்தியும் கலாமும் சொன்னதை கருத்தில் இருத்தி இளைஞர்கள் ஆகிய நாம் இந்தியாவின் உயர்த்தொழிலாம் உயிர்த்தொழிலாம் விவசாயத்திற்கு தோள் கொடுப்போம்.
“உழவுக்கும் தொழிலுக்கும் வந்தனை செய்வோம்”



S. Anjana, 3rd year, IT-A

சுமை

சுமை, என்றாலே வலி என்று தான் நினைத்தேன்!!

பத்துமாதம் கருவறையில் குழந்தையை சுமக்கிறாள்

தாய்!!!

பள்ளிசெல்லும் பத்து வயதுப் பிள்ளையை உப்புமூட்டை சுமக்கின்றான்

தந்தை!!!

தன் எதிர்காலம் ஒளிர புத்தகமூட்டையைச் சுமக்கிறது, பள்ளிச் செல்லும்

பிள்ளை!!!

தன் வாழ்க்கையைப் பகிர்ந்துகொள்ள வந்த கணவனின் இன்ப

துன்பங்களை சுமக்கிறாள் மனைவி!!!

தன்னை நம்பி வந்தவளுக்காக வேலைச்சுமையை ஏற்கிறான்

கணவன் !!!

அட்டா எத்தனை சுகங்கள் சுமப்பதில்! சுமை என்றால் சுகமும்தான் என

உணர்ந்தேன்!!!



–S.Dharshini

IT-A, 2nd year

கனவு

நம் கற்பனைத்திறனின் வெளிப்பாடு!!!!

மீசை

என்னையே மறந்தேன் அவன் கரிய மீசையை அழகாய் முறுக்கியபோது!!!

அம்மா

பொழுதுபோக்கு கூட அலுத்துப்போகிறது அம்மா நீ என் பக்கம் இல்லாதபோது!!!

மனிதன்

கைப்பேசியில் "Battery Low" எனபார்த்த பின்பும் மனிதன் ஏனோ "கடிகாரம்" எழுப்பும் அபாய ஒலியை கண்டு கொள்வது இல்லை.

Smiley

மெய்யான உணர்ச்சிகளை பொய்யான போர்வைக்குள் மறைக்க உதவுகிறது.

Pen

எழுத்தாளனின் (எழுத்தின்) திறமையை உலகிற்கு உணர்த்தும் ஆயுதம்!!!

Pencil

ரெக்கார்ட் எழுதும் Bio-student கையில் மாட்டித்தவிக்கிறது பென்சிலும் அழிப்பானும்!!!

- S.Dharshini

IT-A, 2nd year

திமில் நவிலும் தமிழ்க் கலாச்சாரம்

“முல்லை மண்ணெங்கும் வீரம் விரிந்திருக்க தமிழர் மனமெங்கும் மகிழ்ச்சி நிறைந்திருக்க வந்தது இந்த மஞ்ச விரட்டு - விழாக்கோலம் பூண்டது எங்கள் தமிழ்நாடே...!!!

வீர விளையாட்டு இது தான் - எங்கள் காளையையும் கண்ணென கருதும் விவேகமிகு ஆட்டமும் இது தான்.

இருபுறமும் இளைஞர் பட்டாளம் பட்டுக்கம்பளம் போல் விரிந்திருக்க சிட்டாக சீறிப்பாயும் சீமைக் காளையன் ஆர்ப்பரிக்க ஓடோடி வந்தான் எங்கள் வீரத் தமிழன் - திமில் பிடித்து நல்ல தரம் காண.....!!!”



ஜல்லிக்கட்டு நமது பாரம்பரிய கலைகளில் மிகவும் பிரசித்தி பெற்ற ஒன்று. 'ஏறு தழுவுதல்', 'மஞ்ச விரட்டு', 'சல்லி கட்டு' என பல்வேறு பெயர்களில் ஜல்லிக்கட்டு வழங்கப்பட்டு வருகிறது. பண்டை காலம் முதலே நம் தமிழரின் வீர விளையாட்டுகளில் ஒன்றான ஜல்லிக்கட்டு, பொங்கல் விழாவின் போது மிகவும் விமர்சையாக கொண்டாடப்பட்டு வருகிறது.

'சல்லி கட்டு' என்ற பெயரே காலப்போக்கில் 'ஜல்லிக்கட்டு' என்று திரிந்தது. 'சல்லி' என்பது பண்டை கால இந்திய நாணய வகையை குறிக்கின்றது. போட்டியில் கலந்துக்கொள்ளும் காளையின் கொம்பில் சல்லி நாணயங்களை கட்டி விடுவார்கள். போட்டியில் காளையின் திமிலை பிடித்து அடக்கும் வீரருக்கு அந்த சல்லி நாணயங்கள் பரிசாக வழங்கப்படும்.

உலக அளவில் காளையன் வீரத்தின் வெளிப்பாடாக கருதப்படுகின்றன. இயற்கையுடனும் பிற ஜீவராசிகளுடனும் இணைந்தே நம் முன்னோர்கள் வாழ்ந்தனர் என்பதை சிந்துசமவெளி நாகரீக வரலாறும் இலக்கிய தொகுப்புகளும்

மிகத் தெளிவாக எடுத்துரைக்கின்றன. 5000 ஆண்டுகளுக்கு முன்பு தோன்றிய காங்கேயம் காளைகள் இன்றும் உயிர்ப்போடு வாழ்ந்துக் கொண்டு இருக்கின்றது என்றால் அது நம் தமிழர் கலாச்சாரம் மற்றும் வாழ்க்கை முறைகளால் மட்டுமே சாத்தியமாயிற்று.



தமிழன் காளைகளை வளர்ப்பதில் ஒரு வாழ்வியல் வகுத்து அதனை செயல்படுத்தி வந்தான். அதில் அறிவியல் உன்னதங்களும் தத்துவங்களும் உள்ளடக்கி, ஒரு காளை சமூகத்தை வளர்த்துப் பேணிக்காத்து வந்தான். ஊருக்குள் சுற்றித் திரியும் காளைகளில் வலிமை வாய்ந்த காளையை கண்டறிய இந்த வாழ்வியல் முறை உதவும் என்பதை தமிழன் கண்டுகொண்டான். ஏறு தழுவதலில் வெற்றி பெரும் காளைகள் அடுத்த தலைமுறை காளைகளை உருவாக்க சாலச்சிறந்தது என்பதை உணர்ந்தான். ஜல்லிக்கட்டு என்பது இனப்பெருக்கம் செய்யத் தகுதியான காளைகளை அடையாளம் காட்டும் ஒரு யுக்தி. அதே போல் இக்காளை வலிமையானது, இதன் மரபணுக்கள் வலிமையானவை, இதன் மூலம் சிறந்த மாடுகளின் சந்ததிகளை உருவாக்கலாம் என அடையாளப்படுத்த ஜல்லிக்கட்டு உதவுகிறது.

நம் நாட்டு காளைகளின் கழிவுகள், அழுகிய பழங்கள் மற்றும் காய்கறிகளுடன் சேர்க்கும் போது ஒப்பற்ற உயிர் உரமாக விவசாய நிலங்களில் பயன்படுத்தலாம். இவை இயற்கை விவசாயத்தையும் ஆரோக்கியமான உணவுகளையும் நமக்கு கிடைத்திட உதவும் ஒரு சிறந்த வழியாகும்.

அழிந்து வரும் அறிய உயிரினங்களை காப்பது நம் அனைவரின் கடமை. சின்னஞ்சிறிய சிட்டுக்குருவி முதல் சீறிப்பாயும் காளைகள் வரை இவ்வுலகில் அழிந்துக் கொண்டிருக்கும் உயிரினங்கள் பல்லாயிரம். அறிவியல்

மேம்பாடுகளால் சாதிக்க முடியாத விடயங்கள் பல உள்ளன. அவற்றுள் யாராலும் மறுக்க முடியாதது இயற்கையோடு ஒத்து வாழ்தல். நாள் ஒளி சேமிப்பதில் (Day Light Saving) தொடங்கி செயற்கை உயிரணு (Artificial cell) வரை நம் தலைமுறை பழகிவிட்ட போதிலும் எங்கோ ஒரு இடத்தில் நம் அனைவரும் இயற்கையை குறைசொல்லியே வாழ்ந்து வருகிறோம்.

இயற்கை என்பது வெறும் மரம், செடி, கொடி, வானம், கடல் மட்டும் அல்ல. இயற்கை என்பது பல்வகை உயிர்கள் சார்ந்த சூழலை வரையறுக்கும் அளவுகோல். அதில் இருந்து எதையெல்லாம் நாம் துறந்தோமோ அவையெல்லாம் நம்மை அச்சுறுத்தும் விகாரமாக பரிணமிக்கின்றது.



இந்த வீர விளையாட்டை சிலர் மிருகவதை என மாறாக சித்தரித்து அதனை நடத்த தடை செய்தனர். ஆனால் நம் தமிழரின் மரபை மறைக்க எவராலும் முடியாது என்பதை அறப்போர் வாயிலாக நிரூபித்து நம் பாரம்பரிய விளையாட்டையும் கலாச்சாரத்தையும் மீட்டுக் கொண்டு வந்துள்ளோம்.

“இப்படை தோற்கின் எப்படை வெல்லும்?
ஒற்றுமை காண்பின் ஓராயிரம் நற்பலன்.....”

Geetha R
Pavithra LK
(Research scholars IT Dept)

SITUATIONS

Situation is a very important term that decides a lot of things in one's life. Starting from being portrayed as good to being characterised as evil everything depends on the situation one faces throughout his or her life. When one goes to the meaning of the word one can find out a lot through introspection of what one wants the word to mean. When we ask a person if an action is right or wrong he may answer right in a situation while it's wrong in another, the only deciding factor is the situation in which each of these actions take place. Let me take an anecdote from the Ramayana which I thought would be a befitting one to visualise this situation. Once there was an incident where Shri Ram kills Vali the monkey king from behind a tree, when asked for the explanation of this heinous act, Lord replies that for the sake of the protection of dharma one can forsake the existing rules. Such is the story of Vali, but the same Lord condemns Ravan's son Indrajeet for doing the same act. One is considered a sinner or a purist on the basis of place, action and the pertaining situation associated with it.

Similar situations are faced by most of us in our day to day lives too. One such day was when it had rained and my exam had got postponed for just a few drops of rain falling on the barren land of Chennai (ironically a fact). I decided to just read through my granny's shloka book which was when I caught a chapter of Mahabharata that spoke about the exploits of the lesser known character Sahadev. In its text it said that as Sahadev had eaten a portion of his father's corpse because of which he became aware of the past, present and future. His father had advised all of his sons to eat his corpse as they would be enlightened with knowledge that was existing in the world. This thought of how the same situation is posed in front of us but only a few of us make use of it while the rest while away many such precious situations that can be put to good use. He had one small loophole to help the world and got a boon that if the right questions are asked at the right time and situation he could reveal the knowledge regarding the scope of the question alone. In reality we are unswervingly sprinting against an infinite, unending race not even aware of the final goal that we want to accomplish. What I want to convey is all that even though we have a plethora of situations waiting to be put into good use we still choose the wrong one and complain that we were not exposed to the right opportunities. Asking questions doesn't mean one has knowledge but asking the right questions (even if they sound harsh or are hard to ask) at the correct situations is what makes a man erudite.

Many a time I think of situations from a 'what if' point of view, in the sense that I mean to say sometimes there are situations where in I start questioning myself in a never ending what if manner. For example the other day when I was subjected to a situation of choosing to go for a wedding or rather attend a session on data computing I went into this frenzy of what if. Which is when my mother sat up and was laughing at the way I was thinking in a never ending what if manner (ironically she finds out almost every time I go into this train of what if thoughts). I started off like what if college gave a day off, what if the professor too had to attend a wedding and even went to think what if the college got shut down on some legal issue. Such is the power of 'what if' in procrastination, in fact procrastination itself becomes

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

a wonderful activity to pass time in the worst of the situations. Imagination comes with the price of fulfilling it into a dream but procrastination works in a different manner wherein we can dream about anything at the cost of fulfilling nothing. Such beautiful situations too go by us.

The euphorically delightful situation everybody goes through in life is love and the situations that follows it. One does get to know that it's a pleasant feeling but hopes that this pleasantry remains the same for as long as the good relation lasts. But many a time it becomes 'done and dealt' with like situation where each one does not get a fair chance to explain his or her situational inability. Such are the situations where relations get strained. On the contrary if each gets a fair chance to relive their situations, we may even know that they are genuine people who had gone wrong the first time and if given a chance they are ready to correct their errors and live a much better life together for a longer time to handle several more situations like this. Such a compilation of fair chances to act better the next time is called experience. This is what is meant by the saying experience is the best teacher where the situations teaches you the effect before the rules of the game are understood. In human life only the learnings from practical experiences has a lasting impact to have a deep imprint in the minds of the experienter.

In a nutshell the bird's view of my discussion is all that don't ever judge or tag a person by the way he or she reacts to a situation. We may in reality never know what has made them to act so. A true noble man never stereotypes anybody on the basis of the experiences that he faced with him in the past. One may not be looking extremely chivalrous or noble or loyal the time we meet them or the time something between us didn't go well but that must not be made as an impression associated with them for ever every time we meet them. In short looks could be deceptive both ways. Gone must be the saying "first impression is the best impression". Rather we must put it like "situational brilliance is what must be called out for as the best impression". One may look extremely nice and well-read but the same may lack situational capabilities or even the correct way to respond and not react to a situation. Such people may be technically or theoretically brilliant but their brilliance may not be of much use to handle day to day situations which make up our beautiful lives. Such situations come and go but the change that must occur in us is that we must become courageous correctly enough to forgive and rebuild a sour experience such that the coming days with such situation can become a rethink able situation or plainly a recount able memory rather than developing that sour relation into a fight leading to estranged relationships. Now that I have spoken my mind I also thought that I must put a word about the other side of the situation where the person who has made the mistake is involved. One must always approach life as if it's the first time, neither with the arrogance of the past success nor about the worry of failure that could come along in future. Such small and intricate lessons that we learn is what makes life enjoyable among the many torturous and gruelling situations we must face during the course of a titanic journey called life. Live hard live free and I would add, live the present situation with sheer situational brilliance to amass more experience rather than to worry about what ifs and what not's (metamorphic ally the future or the effect of a past hallucinating experience).

-JAYARAM HARIHARAKRISHNAN, IT-A 2ND YEAR

Coconut water can be used as blood plasma.

Common phishing attacks and measures to protect against them

In 2017, there's one surefire way to be made a fool – being a victim of a phishing attack. Phishing refers to attempts to make a sucker out of you. The phishers want to take your usernames, passwords, credit cards and money. They approach you through the Internet or telephone pretending to be a legitimate person or agency.

Make no mistake: These phishers are crooks, after your identity along with all of the information and money that comes with it. So, they dangle bait, waiting for people to bite from home or business.

What Phishers Do?

You need to accept that these scammers might just be smarter than you, at least with respect to the ability to conspire and corrupt. They think differently than you or I do.

How ?

1. Target: Cyber crooks target people and businesses. For example, they want your business' customer mailing list, so they can masquerade as your business to steal from your own customers.
2. Method: With your business identity under their control, the scammers develop emails or phone scripts to approach their victims.
3. Kill: Using your business identity – the appearance, logo and so on – the thieves mail out their messages. These emails, for all intents and purposes, appear to be legitimate communications.
4. Steal: They record all the data the victims put into the windows or links where the messages directed them.
5. Disappear: With the stolen information, the scammers then use the identity to make purchases and defraud the victims who are unaware of what's going on at the time.

Phishing - The Numbers

Phishing schemes attack your business and your customers. A study reports on the size of the problem:

- 156 million phishing emails go out each day.

- Security filters stop 90% of them.
- 16 million phishing emails reach targets.
- 8 million get opened each day.
- 10% (800,000) of recipients click-through links.
- 10% (80,000) of recipients give up their personal information.

Common Phishing Attacks

1. Whaling (or cyber-whaling) targets the highest-level company executives who handle finance and data decisions. Assuming business leaders aren't suckered by the common pitch, phishers prepare special approaches called harpoons.
2. Harpooning uses personal details secured from other business sources and social networks, so the email language appears unique to the individual and confidential. The email might also include the sort of attachment the recipient would be pressed to open, like a subpoena, contract or tax form.
3. Spearfishing does the same as harpooning on a less sophisticated level. It targets anyone in the organization or database with just enough personal information to tempt the recipient to open the mail.
4. Fake phishers indulge in deceptive fishing by sending emails that present as a legitimate company, such as PayPal, MasterCard, Wal-Mart or others. Recipients are fooled into thinking the request for personal information is legitimate.
5. Pharming is a malicious technology scheme to convert the alphabetical Domain Name System (DNS) of websites into a numerical IP address which then redirects browsing users to a malicious location even if the victim entered the correct website search.
6. Mimic phishing imitates trusted sites like Dropbox, GoogleDocs or Outlook. Messages offer absolute duplicates of the sign-in screens for such sites and lure victims to enter their personal sign-in username and password.
7. Nigerian schemes promise delivery of a big payoff if the victim makes an advance payment or fee to secure the grant.

8. Banking scams and tax frauds announce a problem with banking or tax records and demands personal information to correct the problem.

Protecting Against Them

A business' best protection against phishing attacks takes two forms: The installation of state-of-the-art security on all business devices and repeated training up and down the organization.

1. Banks, tax authorities and trusted agencies never ask for personal information online.
2. Email addresses of a sender must correspond to a legitimate business domain name.
3. Never click any unverified link. For example, there's no need to click-through an email message if the actual website is available.
4. Optimize your system. For example, put some effort into white and black listing your incoming emails by your customizing the system's filtering.
5. Avoid URLs that begin with http:// rather than https://. Look for the lock icon in the URL line.
6. Do not respond to emails demanding an "urgent" response. Call the source to verify their identity and proceed accordingly.
7. Look for amateur work with poor language and spelling.
8. Refuse to sign onto a site through Facebook or other social media access.

Cyber criminals are even sophisticated enough to attack certain days of the week at certain times of the day in certain seasons. No business has immunity. Phishers will target any organization. And, if the organizations are vulnerable, customers lose faith, costing damage to the business brand and reputation. Tiffany Tucker, a systems engineer at Chelsea Technologies emphasizes that companies must keep a pulse on the current phishing strategies and confirm their security policies and solutions can eliminate threats as they evolve.

But, it's also true that the phishers are more active and determined than their victims. They're at work identifying new targets and drawing up new schemes. As a result, it pays business owners to create a climate that invites employees to report even suspected scams.

- SASHAANK P.M, 4th year, IT-B.

5 TIPS TO PROTECT YOURSELF FROM BECOMING A RANSOMWARE VICTIM

This recent global online extortion attack reinforces the need for businesses and other large organizations to update their computer operating systems and security software. The attacks had largely infected networks that used out of date software, such as Windows XP, for which Microsoft had stopped releasing patches. Windows 10 users were hardly affected by the attack, because of the frequent patching done by Microsoft. The attack that swept 150 countries is part of a growing problem of ransomware scams, in which people found themselves locked out of their files and were presented with a demand to pay the hackers to restore their access. Hackers baited users to click on infected email links, open infected attachments and took advantage of out-dated and vulnerable systems. Two weeks ago, it was completely virulent, because it could spread to all other companies on a network even if just one user had clicked a bad link or attachment. Lawrence Abraham, a New York based blogger also said that many companies don't install security upgrades because they were worried about triggering bugs, or that they couldn't afford the downtime.

These are some tips put forward by the cyber-security experts to make ourselves a less-likely victim

1. Take safe and secure backups.

Once your files are encrypted, your options are limited. Recovery from backups is one of them. Backups often are also out of date and missing critical information. Some ransomware does also sometimes targets backup files, though. You should make multiple backups — to cloud services and using physical disk drives, at regular and frequent intervals. It's a good idea to back up files to a drive that remains entirely disconnected from your network.

2. Regularly update and patch your systems.

The latest ransomware was successful because of a confluence of factors. Those include a known and highly dangerous security hole in Microsoft Windows, tardy users who didn't apply Microsoft's March software fix, and malware designed to spread quickly once inside university, business and government networks. Updating software will take care of some vulnerability. The virus targeted computers using Windows XP, as well as Windows 7 and 8, all of which Microsoft stopped servicing years ago. Yet in an unusual step, they released a patch for those older systems because of the magnitude of the outbreak.

3. Use Anti-Virus Software.

Using antivirus software will at least protect you from the most basic, well-known viruses by scanning your system against the known fingerprints of these pests. Low-end criminals take advantage of less-savvy users with such known viruses, even though malware is constantly changing and antivirus is frequently days behind detecting it.

4. Educate your employees/peers.

Basic protocol such as stressing that workers/peers shouldn't click on questionable links or open suspicious attachments can save headaches. System administrators should ensure that employees don't have unnecessary access to parts of the network that aren't critical to their work. This helps limit the spread of ransomware if hackers do get into your system.

5. If hit by a ransomware attack, shut network (not the system!) down immediately.

Some organizations disconnect computers as a precautionary measure. Shutting down a network can prevent the continued encryption — and possible loss — of more files. Hackers will sometimes encourage you to keep your computer on and linked to the network, but don't be fooled. If you're facing a ransom demand and locked out of your files, law enforcement and cyber-security experts discourage paying ransoms because it gives incentives to hackers and pays for their future attacks. There's also no guarantee all files will be restored. Many organizations without updated backups may decide that regaining access to critical files, such as customer data, and avoiding public embarrassment is worth the cost.

Thus, please take these five measures seriously and also pass it on to your fellow classmates, in order to stay secure and invulnerable to any such attacks in the near future.

SANGAVI V

IV – 'B'

EVENT CORNER

Two-day Workshop on “Machine Learning Techniques for Image-Based Applicatio

February 09 & 10, 2017

The Two-day workshop on Machine Learning Techniques for Image-Based Applications (MLTIBA) was conducted in the Department of Information Technology, SSN CE, during February 09 & 10, 2017. This workshop focused mainly on the use of machine learning techniques for image classification, pattern recognition and data science in computer applications. It also focused on mathematical techniques and enlightened the knowledge to develop many complex applications. The sessions were handled by 4 internal speakers from SSN CE and 3 external speakers from various institutions, namely IIT-M, IIIT - DM and CTS.

Day 1 -Dr. T. T. Mirnalinee, Professor from SSN CE gave a brief introductory talk on Fundamentals of image processing and machine learning algorithms. *Dr. Natarajan*, Senior Associate, Cognizant Technology Solutions, discussed on Machine learning techniques in image processing applications which gathered a wide response from the audience. *Ms. K. Lekshmi*, Assistant Professor from SSN CE gave a hands-on session on Digit Recognition using CNN.

Day 2 - Dr. Umarani Jayaraman, Assistant Professor from IIIT-DM discussed on Pattern recognition techniques in image processing. *Ms. J. K. Josephine Julina & Ms. A. Beulah*, Assistant Professors from SSN CE gave a hands-on session on Face recognition using SVM classifier & Object detection using Cascade classifier, respectively. *Dr. S. Sundar*, Professor from IIT-Madras highlighted on the Mathematical aspects of data science.



A single cloud can weight more than 1 million pounds.

Python programming workshop - February 24 - 25, 2017

Python is widely used general purpose high level programming language. Python supports multiple programming paradigms including object oriented imperative and functional programming or procedural styles. This two-day workshop on Python programming focuses on the fundamental concept to frame the basic programming structures. It also focuses on the object oriented concepts of Python. The workshop session includes file handling, Networking Programming. The workshop encourages the participants to have wide knowledge on applications of Python. The resource persons are from Global Analytics

Objective

- Master the fundamentals of writing Python scripts
- Learn core Python scripting elements such as variables and flow control structures
- Discover how to work with lists and sequence data
- Write Python functions to facilitate code reuse
- Use Python to read and write files
- Make their code robust by handling errors and exceptions properly
- Work with the Python standard library
- Explore Python's object-oriented features
- Search text using regular expressions



There are more possible iterations of a game of chess than there are atoms in the known universe.

Cyber Awareness Programme – Insight Perspective (CAP-IP) - March 3rd , 2017

The One-day workshop on “Cyber Awareness Programme – Insight Perspective” (CAP-IP) has been organized by the Department of Information Technology at SSN College of Engineering coordinated by Dr. S. Chithra, ASP/IT, Dr. N. Bhalaji, ASP/IT and Dr. S. Karthika, ASP/IT in association with IEEE Computer Society Madras Section and National Cyber Defence Research Centre (NCDRC). The objectives of the workshop were to create awareness about the current use of cyberspace by the students and to adopt safe computing skills so as to promote good security practices. The event has been registered by total of 200 students from SSN College of Engineering and various other Institutions in Chennai like Sai Ram College of Engineering, Dr. M.G.R University, Sri Venkateswara Engineering College, Rajalakshmi Engineering College, Panimalar Engineering College etc.

The workshop has been organized as three session lectures delivered by three experts from Industries and academia. The first session was delivered by Mr. Yoosuf Mohamed, Senior Vice President, Global Delivery Head – Enterprise Risk & Security Solutions (ERSS), Cognizant Technology Solutions. He has given the lecture on various security breaches and threats and the ways to protect the resources from attacks. It was informative and interactive. The next session was followed by Dr. PNA Shanker Kumar, Member, Cyber Society of India. His lecture was interactive and has covered the topics like security in future emerging fields like Internet of Things. The third session was delivered by Mr. Natarajan Swaminathan, CISA, CISSP, CISM, Senior Consultant – Enterprise Security and Risk Management, Tata Consultancy Services. This talk has brought the aspects of security in to light to the level of students’ understanding.



Coca-Cola would be green if coloring wasn't added to it.

Research Scholars' Symposium on Social Network Analysis (RSS SNA'17) April 4, 2017

The RSS SNA'17 event was conducted on 4th of April 2017 in the Department of Information Technology, SSN College of Engineering, Kalavakkam, Chennai in association with IEEE Computer Society and IEEE Professional Communication Society Madras Chapter. The goal of RSS SNA'17 was to bring together academic, R&D, and industry researchers from the disciplines of online social and data analytics and to act as a forum that addresses research challenges associated with this rapidly evolving domain. The program had participants from VIT, Sathyabama Universities, SVCE, Anna University and few more affiliated colleges.



The event was graced by speakers Prof. Indra Rajasingh and Prof. Syed Ibrahim from VIT University, Chennai Campus. Prof. Indra Rajasingh highlighted the graph theory algorithms in SNA and Prof. Syed Ibrahim gave an insight of big data analytics in online networking. Dr. S. Karthika, ASP/IT, SSNCE presented on social analytics and Dr. N. Bhalaji handled the session related to identifying relevant journals. The scholars actively interacted in the discussion forum with a panel of expert members Dr. S. Chithra and Dr. K.R. Uthayan and discussed on Web and IoT analytics.

IEEE WIE Stress Management in the Phase of Placement (Organized by IEEE-WIE)

The event titled - "Stress Management in the Phase of Placement" was conducted by the IEEE - WIE affinity group of the SSN college of engineering. The placement talk was organized at the department of Information Technology under the banner of IEEE WIE by Dr. S. Karthika (WIE Student Branch Counselor) and Ms. Ranjini (WIE Student's chair). This event was aimed at reducing stress faced by the students during the placements. The event was encouraged by more than 100 participants from student fraternity. The two speakers of the event were Dr. Nanda, PhD in psychology currently working as Student Counselor SSN College of Engineering and Mr.

Manikandan Annamalai, an alumini of SSN presently employee at Real Image and a former intern of the same company.

Dr. Nanda's prime focus was on importance of time management, maintaining healthy diets, following timetables and schedules and setting goals and plans to achieve. Because these were few important reasons stated for remaining under stress during important moments. She addressed the gathering psychologically understanding the major issues faced by this generation of students. She shared few real life incidents which were more thought provoking. She got the nerve of each and every student out



at the hall and advised on facing critical situations with ease and to make that a life-time habit. She stressed on the essence of being oneself during all stages of life and to be unique in our own ways. She also shared some of the important etiquettes and other professional behaviors that should be followed. She also was open for one to one counseling for all the students post session.

Next speaker just narrowed down the talk on how to attend an interview. He made the audience understand the various opportunities available and also the significance of expertise through hands -on projects or internship experiences. He also shared his internship along with interview experiences and related works. He focused on improving quality time to be spent at working towards passion or in any interested field. The session was active with many interactive audiences.



VIVID 2017

National Level Project Competition VIVID 2017 for the students of B.E/B.Tech/M.E/M.Tech of IT/CSE and ECE from various Institutions to explore, enhance and exhibit their talent. The event was conducted on three tracks, Track-I at IT Seminar Hall, Track-II at IT Conference Room and Track-III at PG Lab. Around 51 teams (approximately 150 students) from different engineering colleges were called for oral presentations cum demo to explain about their projects.

Dr. R. Srinivasan, Prof./IT, Dr. A. Shahina, Prof./IT, Dr. N. Sripriya, ASP/IT and Mr. V.R. Vignesh, Amazon (Alumni) were acted as the panel of judges for Track-I. Dr. S. Karthika, ASP/IT, Dr. S. Mohanavalli, ASP/IT, Dr. K. R. Uthayan, AP/IT, Ms. M. Chitra (Alumni) were acted as the panel of judges for Track-II. Dr. N. Bhalaji, ASP/IT, Dr. S. Chithra, ASP/IT, Mr. R. Vinob chander, AP/IT and Mr. Nijin (Alumni) were acted as the panel of judges for Track-III.

Mr. Raghuraman Krishnamurthy, Senior Director, Cognizant was the chief guest for the valedictory function and distributed the cash wards to the following prize winners.



Information Technology Research Colloquium - Special focus IoT

The Information Technology Research Colloquium (ITRC) has been organized by the Department of Information Technology at SSN College of Engineering coordinated by Dr. N. Bhalaji, , Asso. Prof, IT and Dr. S. Chithra, Asso. Prof, IT. The objectives of the workshop were to create awareness about the current trends in Internet of Things. The event has been registered by total of 60 students from SSN College of Engineering and various other Institutions from Tamil Nadu like Sai Ram College of Engineering, Dr. M.G.R University, Sri Venkateswara Engineering College, Kumarasamy College of Engineering, Karur, etc.

The workshop has been organized as four session lectures delivered by four experts from Industries. The first session was delivered by Mr. Dhakshinamoorthy, Enterprise Architect in Digital Technologies, Tata Consultancy Services. He has given the lecture on Introduction to Internet of Things. It was informative and interactive. The next session was followed by Mr. Arunkumar Duraiswamy, Cognizant Technology Solutions. His lecture was interactive and has covered the topics like applications that involve Internet of Things and security in Internet of Things. The third session was delivered by Mr. S. Swaminathan, Wipro. This talk has brought the aspects of IoT development in Networking perspective and also how 4G and 5G technologies provide support to the Internet of Things. The fourth session was delivered by Mr. N. Hari Kumar, Senior Researcher, Ericsson India Global Services Ltd., on IoT for sustainable agriculture. He also demonstrated how Ericsson had setup a water management system based on IoT for a village in Andhra Pradesh. The session was followed by Q&A sessions where in the participants threw various questions to the speakers who were very happy to clarify the doubts raised by the participants.



Overall, the workshop event has become successful with around 60 participants and has thrown light on the various aspects of an emerging field - the Internet of Things.

Earth has traveled more than 5,000 miles in the past 5 minutes.

FACULTY CORNER

Ph.D AWARDEES

1. Human Action Recognition using Space-Time Volume Approach

The Objective of the research is to identify the actions performed by the humans in a video. The algorithms can be used in videos captured through surveillance cameras where the camera is static.



Dr. V.Thanikachalam
Assistant Professor

2. Embedding ontology in information retrieval to improve search results

The research is about embedding ontology in information retrieval to improve search results of relevant information users needed. The ontology used includes general semantic ontology, domain ontology and automatic generated fuzzy concept hierarchy.



Dr. K.R. Uthayan
Associate Professor

3. Studies on the Suitability of Various Degree Distributions Based LT Codes for Different Channel Models

The objective of the research work is to find an optimal degree distribution to enhance the performance of Luby Transform (LT) codes over not only erasure channels but also noisy and fading channels.



Dr. I. Joe Louis Paul
Assistant Professor

ACADEMIC ACTIVITIES

December 2016

- Mr.V.Arulkumar, AP/IT and Mr. A.Sandanakaruppan, AP/IT attended 5 days QIP FDP on “Recent trends in Soft computing” at Pondicherry Engineering College.
- Mr. A SandanaKaruppan, AP/IT presented a paper titled “A Novel Resource Allocation Scheme in cloud computing” in the International Conference on Allied Electrical & Communication systems (ICA ECS2016) at Vignan University, Guntur, Andhra Pradesh. (Selected for Scopus / SCI indexed journals).
- Ms. E.M.Malathy AP/IT reviewed International journal paper PONE-D-16-34495R1, entitled "Network Switching Strategy for Energy Conservation in Heterogeneous Networks" for PLOS ONE.
- Mr. I. Joe Louis Paul, AP/IT and Ms. S. Sasirekha, AP/IT published the following papers:
Joe Louis Paul, S. Sasirekha, S. Jesu Iswarya, R. Praveen Chandru “Fruit Freshness Monitoring System during Transportation - An RFID and WSN based Monitoring System” in the proceedings of IEEE Sponsored International Conference on Engineering and Technology (ICET'16) organized by Department of ECE, Karpagam College of Engineering, Coimbatore, Vol. 4, pp. 1-6, December 16-17, 2016, ISBN: 978-1-5090-3212-9.
- Joe Louis Paul, S. Sasirekha, R. Aishwarya, M. Gowri Chandrika, “A Safety System for School Children using GRAG – (GPS, RFID And GSM)”, in the proceedings of International Conference on Innovative Systems (ICIS 2016), organized by Inventive Research Organization (IRO) at Bangalore.
- R. Mohan Raheja, L. Kishore, I. Joe Louis Paul (AP/IT) published a paper titled “Physiological Analysis of Hypertension Patients by Monitoring the Brain Waves” in the proceedings of IEEE Sponsored International Conference on Engineering and Technology (ICET'16) organized by

Department of ECE, Karpagam College of Engineering, Coimbatore, Vol. 5, pp. 218-223, December 16-17, 2016, ISBN: 978-1-5090-3212-9.

- Dr. S. Chithra, ASP/IT and Dr. N. Bhalaji, AP/IT published the following papers:
Dr. S. Chithra , N.Bhalaji "Enhanced Portable Text To Speech Converter For Visually Impaired" in the proceedings of International Conference on Innovative Systems (ICIS 2016), organized by Inventive Research Organization (IRO) at Bangalore.
Dr. N.Bhalaji, K.B.Sundhara kumar, Dr. S. Chithra "An Empirical Study of Feature Selection Methods over Classification Algorithms" in the proceedings of International Conference on Innovative Systems (ICIS 2016), organized by Inventive Research Organization (IRO) at Bangalore.
- Mr. V. Sivamurugan, ASP/IT, attended an IOT Workshop organized by AES Lab, EasyARM Bangalore.
- Ms.E.M.Malathy, AP/IT and Mr.R.Vinob Chander AP/IT attended FICCI's Interactive Seminar on Mobile Phones and Cyber Security organised Tamil Nadu State Council , Chennai

January 2017

- Chandramowli J, Aadhithya Dinesh and Murugappan S of II Year B.Tech IT, have secured 8th position in the Shaastra Programming Contest conducted at Shaastra 2017, IIT Madras.
- Ms. J. K. Josephine Julina, AP, IT participated in one day Teacher's Conclave on 'Pursuing Excellence in Teaching' organized by Good Citizenship Forum at SSN CE.
- IEEE International Conference on Computer, Communication, and Signal Processing, 2017 was organized by Dr. T. Nagarajan, HOD, IT Dr. T. Sree Sharmila, ASP, IT and Dr. S. Karthika, ASP, IT.
The keynote speakers in the conference were:
Prof. Yong Meng TEO, National University of Singapore
Mr. Murugan Achanaicker, Magna Closures, USA
Prof. Vitaliy Mezhuvey, University of Malaysia, Pahang

Dr. S. Krishnakumar, Ministry of Defence, DRDO, Chennai, India

Dr. V. N. Mani,, Scientist - E, DeitY

Dr. Kaushik Mitra, IIT Madras

Mr. Arun Kumar, CTS

- The details of participants are:
Registered participants (paper presentation) : 52
Student poster presentation: 70
Student audience: 150
- The following papers are presented in IEEE International Conference on Computer, Communication, and Signal Processing (ICCCSP – 2017) organized by Department of Information Technology, SSN CE.

J. Kulandai Josephine Julina, T. Sree Sharmila, "Facial Recognition using Histogram of Gradients and Support Vector Machines"
J. Kulandai Josephine Julina, T. Sree Sharmila, "A Morphological Approach to Detect Human in Video"
Jayaram Hariharakrishnan, Srividya, Mohanavalli.S and Sundhara Kumar K.B. "Survey of Pre-processing Techniques for Mining Big Data".
Sundhara Kumar K.B, Srividya and Mohanavalli.S, "A Performance Comparison of Document Oriented NOSQL Databases."
- Ms. J. K. Josephine Julina AP, IT attended two days hands-on training on "Image Processing, Computer Vision and Machine Learning" organized by Department of Electronics Engineering, MIT Campus, Anna University.

February 2017

- J. Sofia Jennifer, T. Sree Sharmila, presented a paper titled "Edge Based Eye-Blink Detection for Computer Vision Syndrome" in IEEE International Conference on Computer, Communication, and Signal Processing (ICCCSP – 2017) organized by Department of Information Technology, SSNCE.

- Dr. T. Sree Sharmila ASP,IT, Ms. S. Vidhusha AP,IT, Ms. Sofia Jennifer AP,IT, Ms. J. K. Josephine Julina, AP,IT, organized a Two-Day Workshop on "Machine Learning Techniques for Image-Based Applications" with 76 participants (faculty members, research scholars and students) from various institutions & universities. The sessions were handled by resource persons from IIT Madras, CTS, IIIT-DM & SSNCE.
- Dr. T. Sree Sharmila organized a two day workshop on "Arduino Programming" in the department of Electrical and Electronics Engineering under SSN IEEE Student Branch.
- Murugappan S of II Year IT-A has secured 1st position in the "Code Obfuscation" of SAMHITA'17, a national level technical symposium organized by Information Technology Association, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai.
- Murugappan S of II Year IT-A has secured 2nd position in the "Street Coding" of SAMHITA'17, a national level technical symposium organized by Information Technology Association, Department of Information Technology, Madras Institute of Technology, Anna University, Chennai.
- Mr. V. Arulkumar, AP,IT attended a one day workshop on "Hands on Latex" organized by CSE department, SSNCE.
- Ms. R. Swathika, AP,IT delivered a guest lecture on "Mathematical analysis of Recursive and Non recursive Algorithms" at Sri Sairam Institute of Technology, West Tambaram, Chennai
- Dr. S.Karthika, ASP,IT, arranged a guest lecture titled, "Stress Management in the Phase of Placement", presented by Mr. A. Manikandan, UX/UI Designer, Qube Cinema Technologies and Dr. Nanda Srinivasan, Assistant Professor & Student Counsellor, SSN College of Engineering under IEEE WIE Affinity group.

- Ms. S. Vidhusha, AP,IT attended the IEEE EMBS - 2 Days Seminar on “Statistical Methods for Bio-signal and Image Processing” at the Bio-Medical Departement, SSNCE.
- Dr. P. Vasuki, ASP, IT, Ms. E. M. Malathy, AP, IT, Mr.V.Arulkumar, AP, IT, and Ms. S. Umamaheswari, AP, IT, organized a two-day workshop on Python Programming (Hands-on sessions with programming contest). The registered participants were 109 and the sessions were handled by resource persons are from SSNCE and Alumni Global Analytics, Thoughtworks, Mu Sigma - IT Department Alumni.
- Mr. V.Sivamurugan, ASP, IT and Mr. K. Kabilan, AP, IT attended two days hands-on training on and Programming contest on "Python Programming " organized by Department of IT, SSN College of Engineering.
- Mr. Vinobchander AP, IT delivered a talk in the workshop "Python Programming " organized by Department of IT, SSN College of Engineering.
- Dr. T. Sree Sharmila organized a Hands on workshop on “Android Programming” in the department of Information Technology under SSN IEEE Student Branch.
- Mr. K.R.Uthayan, AP, IT, has successfully completed his Ph.D. viva-voce examination for the thesis titled "Design and Development of Semantic Ontology Framework using fuzzy models".
- Dr. N. Sripriya, ASP,IT, gave an guest lecture on "Digital Signal Processing" at Sri Sairam Institute of Technology College, Chennai.
- Priyadharsini R, T. Sree Sharmila, V. Rajendran, published a paper titled “Acoustic image enhancement using Gaussian and Laplacian pyramid – a multiresolution based technique” in Multimedia Tools and Applications. IF: 1.331
- The paper authored by A. V. Parvathi and Dr. S.Karthika, ASP,IT, titled "Designing Prototype for Accessing Veracity using Social Sensors – Big Data Perspective" was presented in IEEE sponsored Third International conference on Advances in Electrical, Electronics,

Information, Communication and Bio- Informatics held at Prathyusha Engineering College.

- Ms. E.M Malathy, Assistant Professor/IT , Niveditha N K and Vharshinee S presented paper titled "INVESTIGATION MODEL FOR WIRELESS NETWORK CONDITION DURING VERTICAL HANDOVER DECISIONS", the DRDO sponsored National Conference on Intelligent Information Systems (NCIIS 2017)', organized by Hindustan University,Chennai.

March 2017

- I. Joe Louis Paul, S. Sasirekha, S. Jesu Iswarya, R. Praveen Chandru published a paper titled "Fruit Freshness Monitoring System during Transportation - An RFID and WSN based Monitoring System" in Pakistan Journal of Biotechnology, Vol. 13 special issue II (International Conference on Engineering and Technology Systems (ICET'16) pp. 29 – 34.
- R. Mohan Raheja, L. Kishore, I. Joe Louis Paul published a paper titled "Physiological Analysis of Hypertension Patients by Monitoring the Brain Waves" in Pakistan Journal of Biotechnology, Vol. 13, special issue II (International Conference on Engineering and Technology Systems (ICET'16) pp. 83 – 86.
- Dr. S. Chithra, Dr. N. Bhalaji and Dr. S. Karthika, ASP/IT conducted One-day Workshop titled "Cyber Awareness Programme – Insight Perspective (CAP-IP)" in association with NCDRC and IEEE Computer Society, Madras Section.
- Dr. S. Karthika, ASP/IT, presented a talk on "Development of Social Network Analysis – Key concepts and measures in network analysis- Applications of Social Network Analysis" in National Seminar on Social Network Analysis at the Department of Computer Science and Engineering, Valliammai Engineering College, SRM Nagar Kattankulathur.
- Dr. S. Karthika and Dr. T. Sree Sharmila, ASP/IT, conducted the First Intra-Department Club activity for Higher Studies.

- Alumni Co ordinators (Dr. N. Bhalaji and Dr. P. Vasuki, ASP/IT) along with Guest Lecture In-charges (Ms. R. Swathika and Mr. A. Sandanakaruppan, AP/IT) organized a guest lecture on "GUIDELINES FOR SUMMER PLACEMENT (SUMMER INTERNSHIP)" for third year IT students. IT department Alumnus Mr. NithishKumar, Senior Consultant from Thoughtworks and Mr. Vivek Nagaraju from Amazon delivered the talk.
- Dr. S. Karthika and Dr. T. Sree Sharmila, ASP/IT, conducted the Second Intra-Department Club activity under Data Science about Artificial Intelligence.
- Chandramowli J of II Year IT-A has secured 2nd place in "Cyber Wars" event of aBaCUS'17, the national level technical symposium, conducted by Computer Science and Engineering Association(CSEA), Department of Computer Science and Engineering, College of Engineering, Guindy, Anna University Chennai.
- Mr. I. Joe Louis Paul, AP/IT, Ms. R. Swathika, AP/IT, Ms. S. Sasirekha, AP/IT organized a National Level Project Competition VIVID 2017 for the students of B.E/B.Tech/M.E/M.Tech of IT/CSE and ECE from various Institutions to explore, enhance and exhibit their talent. The event was conducted on three tracks, Track-I at IT Seminar Hall, Track-II at IT Conference Room and Track-III at PG Lab. Around 51 teams (approximately 150 students) from different engineering colleges were called for oral presentations cum demo to explain about their projects. Dr. R. Srinivasan, Prof./IT, Dr. A. Shahina, Prof./IT, Dr. N. Sripriya, ASP/IT and Mr. V.R. Vignesh, Amazon (Alumni) were acted as the panel of judges for Track-I. Dr. S. Karthika, ASP/IT, Dr. S. Mohanavalli, ASP/IT, Dr. K. R. Uthayan, AP/IT, Ms. M. Chitra (Alumni) were acted as the panel of judges for Track-II. Dr. N. Bhalaji, ASP/IT, Dr. S. Chithra, ASP/IT, Mr. R. Vinob chander, AP/IT and Mr. Nijin (Alumni) were acted as the panel of judges for Track-III.
Mr. Raghuraman Krishnamurthy, Senior Director, Cognizant was the chief guest for the valedictory faction and distributed the cash wards to the prize winners.

- Chandramowli J of II Year IT-A has secured 1st place in “OnSite Programming Contest (OSPC)” event of aBaCUS’17, the national level technical symposium, conducted by Computer Science and Engineering Association(CSEA), Department of Computer Science and Engineering, College of Engineering, Guindy, Anna University Chennai.
- Chandramowli J of II Year IT-A has secured 3rd place in “Lord of the *NIX” event of aBaCUS’17, the national level technical symposium, conducted by Computer Science and Engineering Association(CSEA), Department of Computer Science and Engineering, College of Engineering, Guindy, Anna University Chennai.
- Dr. T. Sree Sharmila, ASP, IT and Ms. J. K. Josephine Julina, AP, IT took second-year students for an Industrial Visit to Cognizant Technology Solutions, Siruseri, to gain an exposure of software engineering practices.
- Mr. V.Sivamurugan, ASP, IT published a paper titled “Performance Analysis and Comparison of Telephone Speech Enhancement Algorithm for HOH Listeners using OMAP Processor Based Embedded Systems” in IEEE International Conference on Intelligent Techniques in control, optimization & Signal Processing (INCOS’17), pp 15-21 held at Kalasalingam University , Krishnankoil, Tamilnadu .
- B. Gnanamozhi, Dr. N. Bhalaji "Deployment of Overlay Networks in IoT Applications" International conference of Electronics, Communication and Aerospace Technology (ICECA 2017), to be held in RVS Technical campus during April 2017.
- Dr.N.Bhalaji, ASP, IT reviewed article titled “Secure Authentication Scheme for Medicine Anti-counterfeiting System in IoT Environment” for IEEE Internet of Things journal
- Dr.N.Bhalaji, Dr.S.Chithra, ASP/ IT & Mr.K.B.Sundharakumar (JRF-SSN) successfully coordinated one day seminar titled Information Technology – Research colloquium (special focus on IoT) on March 31 which was graced by industrial experts:
Mr.D.Dhakshinamurthy, Head of IoT Architecture (TCS, Chennai)

The largest recorded snowflake was 15 Inch wide and 8 Inch thick. It fell in Montana in 1887.

Mr.N. Hari Kumar, Senior Researcher, Ericsson Chennai.

Mr.S.Swaminathan, DMTS-Senior Member, Wipro, Chennai.

Mr. Arunkumar Duraiswami, Director - Projects, CTS, Chennai.

The event benefitted 54 external participants and 8 internal participants.

April 2017

- Smart India Hackathon 2017 (SIH 2017), the 36 hours World's Biggest Hackathon Organized by Ministry of HRD & AICTE was conducted at SSN College of Engineering as the Nodal Centre for Ministry of Earth Sciences during April 1-2, 2017. Dr. T. Nagarajan, Professor & Head/IT was one of the organizing chairs for SIH 2017. Mr. I. Joe Louis Paul, AP/IT was one of the supporting team members for the coordination of SIH 2017. Mr. V. Sivamurugan, ASP, Dr. S. Chithra, ASP, Dr. N. Bhalaji, ASP, Dr. P. Vasuki, ASP, Mr. V. Thanikachalam, AP, Ms. E. M. Malathy, AP, Ms. R. Swathika, AP, Ms. N. Radha, AP, Mr. A. Sandanakaruppan, AP, Mr. V. Arulkumar, AP, Ms. S. Uma Maheswari, AP, Mr. K. Kabilan, AP, Ms. S.Vidhusha, AP, Ms. J. Sofia Jennifer, AP and Ms. J. K. Josephine Julina, AP were acted as the Single Point of Contacts (SPOCs) for different teams participated in SIH 2017.
- N. Radha, AP/IT, Swetha S, Siva M presented paper titled " Visual speech recognition using MV features" in International conference on Science and Innovative Engineering, JEC, Chennai.
- E.M.Malathy, AP/IT and Dr Vijayalakshmi Muthuswamy presented paper titled" Approximation design scheme for vertical handover in Next Generation Wireless Network in International conference on Science and innovative Engineering, JEC, Chennai.
- Dr. S. Karthika, ASP/IT, Dr. S.Mohanavalli, ASP/IT and Ms. Srividya, AP/IT organized Research Scholars' Symposium on Social Network Analysis with 20 participants (Research scholars and PG students) from various institutions. The sessions were handled by resource persons from VIT-Chennai.

- Dr.N.Bhalaji ASP, IT presented a session titled " How to identify journals" during Research Scholars' Symposium on Social Network Analysis organised by Department of IT, SSNCE
- Nilofar Parveen R, Sophia Josephine, A. Sandana Karuppan, AP/IT published a paper titled "A Hybrid Cloud Scheduling Model Using AHP Approach" in IJARIE, 3(2), 1962-1972(2017).
- Mr. I. Joe Louis Paul, AP/IT successfully completed his Ph.D. Viva-Voce examination for the thesis titled "Studies on the Suitability of Various Degree Distributions Based LT Codes for Different Channel Models".
- Mr. V Thanikachalam, AP/IT, successfully completed his PhD Viva Voce for the thesis titled " Human Action Recognition using Space-Time Volume Approach".
- Sivasankari. S, V.Sivamurugan, published a paper titled "Performance Analysis shape recognition algorithms on Embedded Boards RASPBERRYPI and ODROID-C2" in International journal of Pharmaceutical sciences review and Research, March-April 2017, Article No:23, page 103-106

PHOTOGRAPHY CORNER

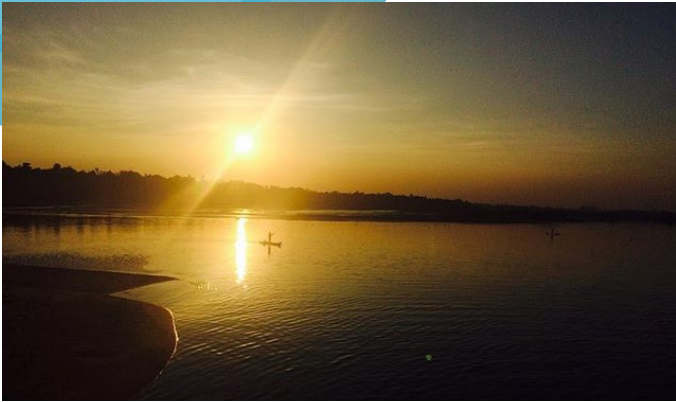
Taking an Image, freezing a moment, reveals how rich reality truly is!!



UDHAYA PRAKASH
IT-B, 1st year

The word "gorilla" is derived from a Greek word meaning, "A tribe of hairy women."

Joy in looking and comprehending is nature's most beautiful gift.



RISHIB KUMAR S
IT-B, 3rd year

Human thigh bones are stronger than concrete.

The game of Lights!



Lalithalakshmi R

IT-A, 2nd year

How glorious a greeting the sun gives the world! @Kanyakumari

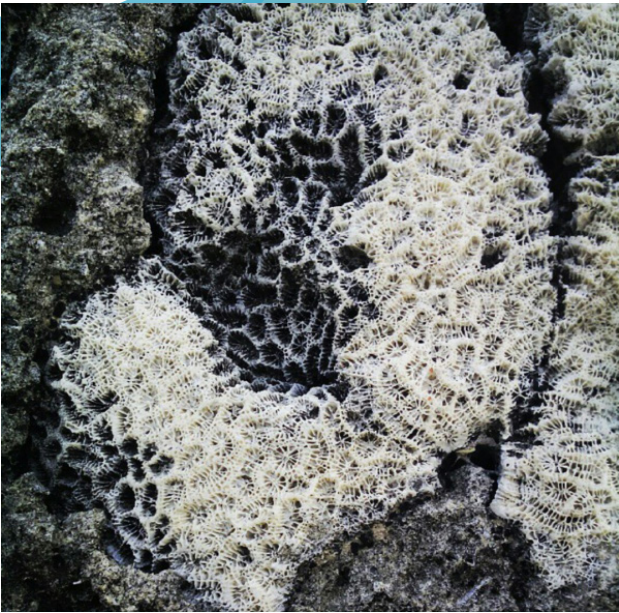


Muthukannan K

IT-B, 3rd year

To produce a single pound of honey, a single bee would have to visit 2 million flowers.

And when you stop and look around.. the earth is so amazing that you'll want to capture every Atom!



Aashika K
IT-A, 3rd year

The elephant is the only mammal that can't jump!

Nature always wears the colors of the spirit!



PRADIPTA CHANDRA
IT-B, 3rd year

Every year more than 2500 left-handed people are killed from using right-handed products.

Strokes Speak

Innocence



Art By -

Aashika K
IT-B, 3rd year

The tongue of a blue whale weighs more than most elephants!



Bird love!



Art By -

Jothi Preetha
IT-B, 3rd year

The tongue of a blue whale weighs more than most elephants!

EDITORIAL BOARD

Message from Editors

“We extend our wholehearted thanks to all the contributors and readers.. Hope you liked this edition of IdentITy”

Faculty Incharge

Dr. T. Nagarajan

Dr. S. Karthika

Ms. S. Vidhusha

Student Editors

Aashika K - 3rd year IT - A

Kalyani RM - 3rd year IT - A

Pradipta Chandra - 3rd year IT - B

