

Volume 3, Issue 3

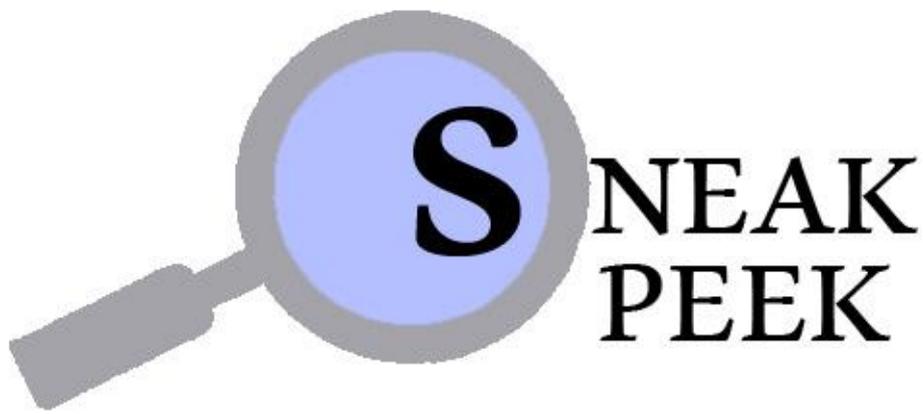
# Smmriti

Memory Archives



CSE Newsletter





### HOD's DESK

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# H.O.D's DESK



**Dr. Chitra Babu**

As the even semester is drawing to a close, our department newsletter team is releasing another magnificent issue of Smriti comprising of fabulous faculty and student accomplishments. It was an awesome moment for the entire department when we received the news that our undergraduate programme has been accredited for 5 years by the National Board of Accreditation. My sincere appreciations to each and everyone in the department for their contributions and efforts. I especially wish to thank Prasad, Raji, Milton sir and Kanchana who played key roles in the preparation for NBA visit.

During this semester, we organized a National conference on Distributed Machine Learning. I gratefully acknowledge the, Ph.D symposium chairs T. T. Mirnalinee and Kanchana, Tutorial chairs Milton sir and Sriram, organizing chairs Prasad, Bala, Sarath and Sheeraz for putting together this conference in an interesting manner. There were two workshops conducted in the area of image mining and Big data. My compliments to the organizers Shomona, Priyadarasini, Manisha, Mirnalinee, Kanchana and Lakshmi priya for their creditable efforts.

My heartfelt appreciations to Prashant Mahesh and Roopeshwar for securing second prize in the ACM ICPC Chennai provincial contest at Hindustan University. Congratulations to Shivani, SriRanjitha and Nandini who were selected as one of the finalists in Infosys Innovate2015. I also congratulate Samiya Nasim, Naveen and Siddharth on their winning the IoT contest at NIT Trichy.

It is wonderful to see that some of the students are launching their own start-up ventures. I wish them good luck in their online endeavors. I also wish all the outgoing students a rewarding career.

This issue of Smriti has turned out to be very special because of the amazing creativity displayed by the students who have contributed great art works.

I am also very happy to see that our PG alumnus Arun has shared his journey to research. I request other alumni also to share their interesting experiences with us.

With so many innovative minds around, sky is the limit for what we can achieve. Let us go and do it.

# Faculty Activities

1. ACM has started a new Indian Chapter of Special Interest Group on Computer Science Education (SIGCSE). Dr.Chitra Babu has been nominated as one of the Founding members of iSIGCSE.
2. Dr. Chitra babu has been appointed as a Syllabus Sub-committee member as a representative of alumni of PG programme for reviewing curriculum and syllabi for PG Programmes M.E(CSE), M.E(CSE) with Specialization in Big Data, M.E(Software Engineering) and M.E(System Engineering and Operations Research) for the University Departments of Anna University under Choice Based Credit System.
3. Three faculty members have been recognized as Supervisors to guide Ph.D/M.S scholars under Anna University.
  - Dr.R. Kanchana
  - Dr.V.S.Felix Enigo
  - Dr.Shomona Gracia Jacob



Dr. Chitra Babu



Dr. R.Kanchana



Dr.V.S.Felix Enigo



Dr.Shomona Gracia Jacob

4. Dr.Shomona Gracia Jacob has been invited to be on the Reviewer Board for the Refereed Journal " Advances in Electrical and Computer Engineering" ( SCI Impact Factor: 0.642 - Annexure 1).



## Paper publications

1. **Rajaram Kanchana, Chitra Babu and Arun Adiththan.** Published a paper titled "Tx-FAITH: A Transactional Framework for Failure Tolerant Execution of Hierarchical Long-Running Transactions in Business Applications." In International Journal of Web Services Research (IJWSR), IGI Global. Vol. 11, No. 3, pp. 1-26. 2014, doi:10.4018/ijwsr.2014070101 (IF 0.469, SJR 0.31, Annexure – I)
2. **Kanchana Rajaram, Chitra Babu, and Akshaya Ganesan,** published a paper titled "DILT: A Hybrid Model for Dynamic Composition and Execution of Heterogeneous Web Services", In Proceedings of 11th International Conference on Distributed Computing and Internet Technology (ICDCIT-2015), Natarajan et al. (Eds.): ICDCIT, LNCS 8956, Springer, pp. 239–244, Jan, 2015.
3. **D.Thenmozhi, Chrislin Pricilla, Gundala Sreeja, Kanmani S** presented a paper titled "Document Categorization using Clause based Feature Extraction" at National Conference on Information Technology (NCIT 2K15) organized by Department of IT, SSNCE in association with IEEE Computer Society and CSI, March 21,2015.
4. **D.Thenmozhi, Akshaya S Bhat, Ashraya R, Ayshwarya S** presented a paper titled "Capturing Public Sentiment on Socio-Economic Events using Twitter Data" at National Conference on Information Technology (NCIT 2K15) organized by Department of IT, SSNCE in association with IEEE Computer Society and CSI March 21,2015.
5. **B.Senthil Kumar** presented a paper titled "Named Entity Recognition in Dravidian Languages - State of the Art" at National Conference on Information Technology (NCIT 2K15) organized by Department of IT, SSNCE in association with IEEE Computer Society and CSI, March 21,2015.



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6. **Shomona Gracia Jacob** has published a paper titled " Prediction of Rescue Mutants to restore Functional Activity of Tumor Protein TP53 through Data Mining Techniques", Journal of Scientific and Industrial research, (Annexure -1) SCI Impact Factor: 0.500.
  
  7. **Ms. B. Prabavathy** presented her work "File sharing and concurrency control in deduplicated cloud storage" in National Conference on Distributed Machine Learning (NCDML '15) conducted by the Department of CSE, SSN College of Engineering.
  
  8. **Kavitha S & Thyagarajan K K**, presented a paper titled "Analysis of Multimodality Brain Images using Machine Learning Techniques" at IEEE conference on ICCSP2015 organized by Adhiparasakthi Engineering College, April 2-4, 2015

## Guest lectures given by the faculty

1. **Dr. T. T. Mirnalinee** delivered a technical talk on "Fundamentals of Image Processing & Optimization Techniques" on February 6, 2015, at CSI sponsored Two-Day National Level Workshop on "FUNDAMENTAL ANALYSIS & PROCESSING OF IMAGE & VIDEO WITH COMPUTING TECHNIQUES" in Dept of IT, SSNCE.
  
  2. **Mr. V. Balasubramanian** gave a Invited talk in the workshop on "Cloud Security" in the symposium Itrix 15 organized by Department of IST, College of Engineering, Guindy on 7.2.15
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## Workshop & meetings attended

1. **Ms. S.Rajalakshmi and Ms.S. Angel Deborah** attended tutorial session titled "Systematic Approach towards Research on Machine Learning and Distributed Computing" in the National Conference on Distributed Machine Learning(NCDML 2015), conducted by the Department of CSE, SSN College of Engineering.
  2. **Ms. S. Manisha** participated in the event Tech Fiesta organized by Capgemini on 18th February 2015.
  3. **K. R. Sarath Chandran** participated in the Knowledge++ workshop during 27-28 February 2015, organized by L&T Infotech as part of their Campus Springboard program.
  4. **Ms.R.Priyadharsini, Ms.S.Manisha and Ms.A.Beulah** attended a two day workshop on "Fundamental analysis and processing of image and video with computing techniques", in Dept of IT,SSNCE on 6-7 Feb 2015
  5. **Ms.S.Rajalakshmi and Ms.Y.V.Lokeshwari** attended the two days National workshop on "Big Data and Hadoop" conducted by Department of CSE, SSNCE in association with Appsfluxus, IIT Roorkee and Finlands lab on March 6 & 7, 2015.
  6. **Dr. Chitra Babu, Dr. T. T. Mirnalinee and Dr. R. Kanchana** participated in 2-day Symposium cum Workshop on IT innovations for Smart City at IIIT, Allahabad organized by IIITA in association with ACM-W during 14-15 march 2015.
  7. **Dr. Chitra Babu** was invited to participate in a meeting conducted by IIT Madras NPTEL for a brainstorming session on the idea of "NPTEL study centre" and how NPTEL can better engage with various educational institutions.
  8. **Dr. Chitra Babu** had a meeting with Prof. Dr. V. Uma Maheswari, CEG, Mr. Rajesh Kuppuswamy, CDO and CTO, Polaris to discuss the modalities related to the selection of interns and the other ways in which the institutions can collaborate with Polaris.
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9. Mr. Anand Varadarajan, General Manager, Ericsson Research and Mr. Praveen, Engineer, Ericsson visited Department of Computer Science and Engineering and had a discussion with **Dr. Chitra Babu, Dr.R.S Milton, Dr. T.T.Mirnalinee, Dr. R. Kanchana, Dr. J. Suresh, Dr. V.S. Felix Enigo and Dr. Shomona**. Dr. Chitra Babu gave a presentation regarding the earlier Institute interaction of the department and the research activities. Four PG students presented their project work related to cloud computing and data Analytics. Mr. Anand was impressed with the department activities and was interested in providing internships to our students.

## Workshops organized

1. **Dr. Chitra Babu, Dr. Shomona G Jacob, Ms.R.Priyadharsini and Ms. S.Manisha** organized a One Day National Workshop on "Challenges in Image Mining: A Research Perspective".
2. **Dr. T.T. Mirnalinee, Dr. R. Kanchana and Ms. S. Lakshmi Priya** organized a two-day National workshop on Big Data and Hadoop in association with Appsfluxus, IIT Roorkee and Finlands lab.

## Patents filed

1. Application no.:736/CHE/2015,  
Filed date: 16/02/2015,  
Patentee: **Suresh Jaganathan, D.Venkata Vara Prasad and Sathya Madhusudhanan**.  
Titled: uCLUST: A System & Method for Clustering Unstructured Big Data".



# CSI PhD Research Symposium

Ms. B. Prabavathy, Assistant Professor, attended the CSI PhD Research Symposium held at CSI Education Directorate, Chennai on 31st January and presented a paper titled, "Design and implementation of Distributed File system for Private Cloud Storage". The abstract of the paper is given below:

Cloud computing is an emerging paradigm that virtualizes computing power as well as storage and provides them as services to consumers through the Internet. As there are security issues in public cloud, private cloud storage is a viable alternative to store the business-critical data. However, it is essential that storage space needs to be optimally utilized to accommodate more data. A private cloud storage is built, first by consolidating the storage of commodity machines using a file system. Further, this consolidated storage is offered as a service. However, the existing file systems have not considered deduplication as their main goal, Hence, idea of this work is to design a file system with deduplication as its primary goal with best possible performance.



# Symposium cum Workshop on IT Innovations for Smart City

The Symposium was Organized by Prof. O.P. Vyas, Dean R &D of IIIT Allahabad. On 14<sup>th</sup> March Mr. Shri Bhagavan Swarup, DGP of Allahabad gave the keynote address pressing the need for the creation of databases and importance of making Allahabad as a smart city. First session was handled by Prof. Nathalie Mitton, Scientific head Self Organizing future Ubiquitous network, INRIA, Lille hord, France, Europe.

She gave a talk on how to make smart cities even smarter. Prof. Mitton emphasized on the technologies required to equip a city with intelligently connected infrastructure, intervehicle, road-vehicle communications and stolen vehicle monitoring. She also gave an interesting hands on session on IOT and facilitated the access to her server in France to the partiand realized the communication and monitoring between sensor nodes.

Prof. Artus, Assistance Professor of Business intelligence system, University of Paderborn, Germany presented a talk on Role and Status of Predictive mechanism and recommendations in smart city environment, he presented the ideas on Elevator and escalator failure prediction, traffic monitoring, Load based taxing, centralized route planning, Ground Image data based Analytics and recommender system for vehicle call back management.



Prof. Vicki Hanson, Vice president, ACM, Distinguished Professor, Rochester Institute of Technology, New York, United States gave a talk on Inclusive Technologies for smart cities. She also spoke about the role of women in Computing and the initiatives of ACM to support women Engineers on 15<sup>th</sup> of March.

On the same day, Prof O. P. Vyas gave a talk on smart environment using Android app development. He also made the participants to install the required software and to develop a simple android app, in the hands on session held in the afternoon.

There was a PhD Colloquium in Information Technology, Electronics and Communication on 15<sup>th</sup> in the afternoon in which four PhD scholars presented their work related to IoT.

There were around 60 participants and quite a few were from the outside of Allahabad.

Finally there was a Panel Discussion on Smart city initiative with reference to India chaired by Prof. U. S. Tiwari, Dean, IRP, IITA.



BY,

Dr. Chitra Babu,

Dr. T. T. Mirnalinee,

Dr. R. Kanchana



# DESIGN THINKING

Mr. Rajesh Kuppaswamy, Chief Design Officer, Chief Technology Officer, Head – FT8012 conducted a workshop on Design Thinking for 15 faculty members from our department and 15 faculty members from CEG, Anna University, Chennai.



The workshop involved a lot of activities. We prepared a chart about the collaboration of SSN with FT 8012, using the DT approach covered in the workshop and also had a puzzle solving activity wherein we applied the DT approach practically.

# Big Data and Hadoop Workshop

A National Workshop on Big Data and Hadoop was conducted in our college on the 6th and 7th of March. The workshop was organized by Dr. T.T. Mirnalinee, Dr. R. Kanchana, Ms. S. Lakshmi Priya, Sriram, K (ME(CSE)), and Leena Saranya (ME(CSE)) in Graphics and Multimedia Lab of our department. It was organized in association with AppsFluzus, IIT Roorkee and Finlands Lab.

36 participants registered for the workshop including 3 faculty members, 1 PhD scholar from NIT-Trichy, 21 ME students and 11 BE students.

Mr Pankaj Singh from Finlands Lab was the resource person. He brought vmware and software and instructed the participants on installing Hadoop, Pig, Hive and HBase. Participants were taught to program in Hadoop, Pig, Hive. The example programs were shown in Hbase.

In the last session there was a contest (Prelims) and the following 5 students were selected to participate in the final competition to be held in IIT Roorkee.

**Kavi Bharathi ME(CSE) II Sem**

**- I Prize**

**Sriram K ME(CSE) II Sem**

**- II Prize**

**Mohana Priya BE(CSE) VI Sem**

**- III Prize**

**Sundarakumar, K.B. MTech.(IT)**

**- III Prize**

**Sandeep R.G MTech(CSE), VIT University, Chennai**

**- III Prize**

In the end, certificates were issued to all participants and prize winners.



# Knowledge++ Workshop

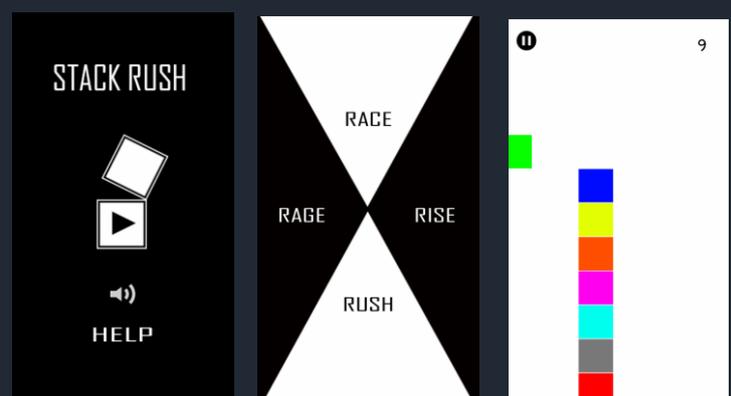
On the the 27th and 28th February 2015, R Sarath Chandran attended a workshop conducted by L&T Infotech, titled "Knowledge++". The workshop was held as a part of their Campus Springboard program at L&T Infotech, Ramapuram, Chennai. The objective of the program was to provide an overview of the IT industry along with some insight on the latest technology trends like big data analytics. Behavioral skills essential for the execution of an IT project from a corporate perspective were also discussed.



R Sarath Chandran

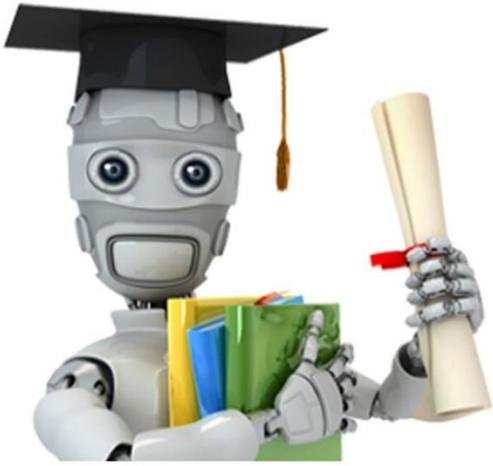
## Try Out!!

A thrilling experience of Rush, Rage, Rise and Race in a single game of stacking. STACK EM UP With perfection to beat each level. CAN YOU BEAT THEM ALL ??? Beware... Highly Addicting !!!



<https://play.google.com/store/apps/details?id=com.gmail.borntowindevelopers.stackrush>

A game developed by Ashwin Kumar.S, Aswin Kumar.R, Abdul Azarudeen of 3<sup>rd</sup> year CSE



## National Conference on Distributed Machine Learning

The Department of Computer Science and Engineering, SSNCE conducted a National conference on Distributed Machine Learning on 20<sup>th</sup> and 21<sup>st</sup> of February 2015. The conference took place at the Central Seminar Hall of the ECE block. The conference was inaugurated at around 8.15 am, Dr.Sourish Das from CMI gave a tutorial presentation on the topic 'A Systematic Approach towards Research on Machine Learning and Distributed Computing'. As a Professor in Statistics, he gave a fresh perspective on the synergistic relationship that exists between statistics, Machine Learning and Distributed Computing. Apart from that he also gave valuable advice on writing proper research statements which would really be helpful for students and research scholars who would like to pursue an academic career.

A research scholar symposium was conducted in which 8 Ph.D scholars presented their research findings in the area of both Machine Learning and Distributed Computing. These presentations were spread across both the days. The detailed discussions by expert panels that followed each of the presentations provided valuable feedback to the research scholars on their work.

The second day had a fresh start with a talk on 'Open Problems in Big Data Analytics: A Practitioner's View' by Dr.Vijay Srinivas Agneeswaran, Director & Head, Big Data R&D, Innovation Labs, Impetus.

We then had a very interactive lecture on 'Challenges in Large Scale Machine Learning' by Mr. Sudarshan Santhiappan, who is currently pursuing his PhD in IITM. Both these talks proved very helpful for the young research scholars who are trying to choose potentially interesting and worthwhile research problems.

Eswaran T and Prakash K P, who are currently pursuing their final year M.E in Computer Science and Engineering, bagged prizes for their project presentation.

# NCDML '15

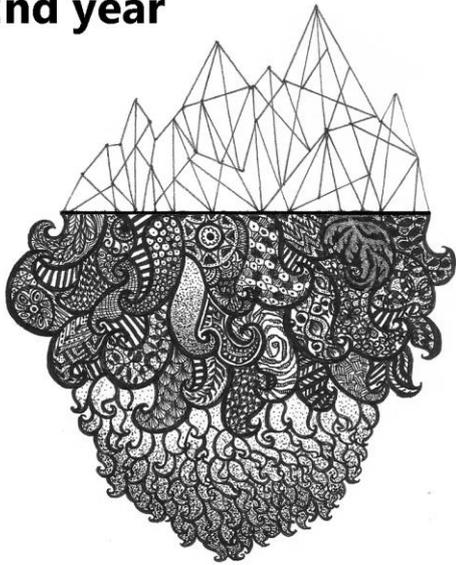
## National Conference on Distributed Machine Learning





# Sports Day

**Ranjini R**  
2nd year

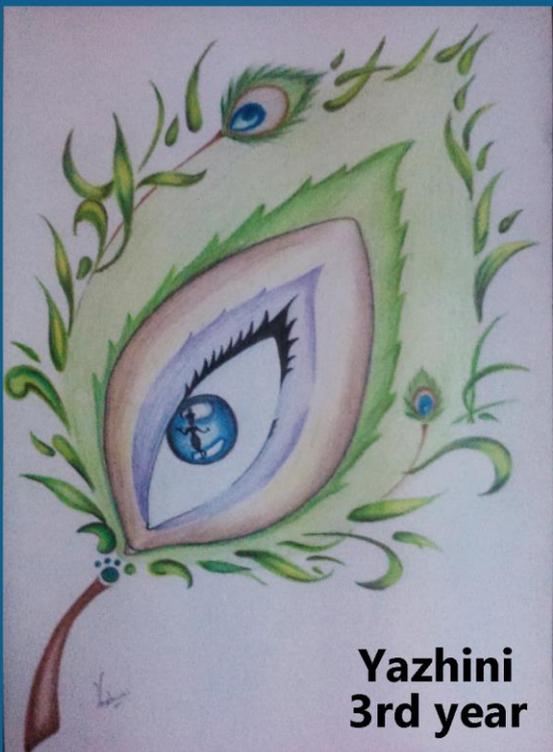
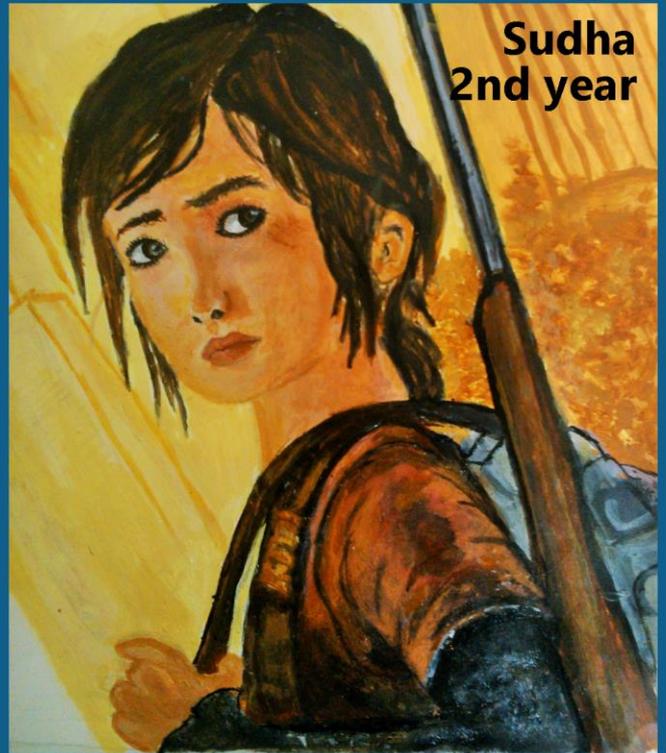


# ART Corner

**Jayashree S**  
3rd year



**Sudha**  
2nd year



**Yazhini**  
3rd year

**Ranjini R**  
2nd year





# CHALLENGES IN IMAGE MINING: A RESEARCH PERSPECTIVE

A one-day national workshop on “**Challenges in Image mining: a research perspective** “ was organised by the Department of Computer Science and Engineering on **27<sup>th</sup> February 2015**. 16 UG students, 14 PG students, 3 research scholars and 4 faculty from various colleges were present at the workshop.

**Dr.T.Sree Sharmila**, Associate Professor, Department of Information Technology in SSN College of Engineering, was the first speaker and delivered a presentation on “**An overview of image enhancement techniques**”. The next speaker, **Mr.S.Karthik**, from the Image Processing and Computer Vision Lab of IIT Madras spoke to us about **the research challenges in image processing field**. In the final session, **Dr.P.Nithyanandham**, Professor – CSE at VIT Chennai gave the participants an in-depth knowledge of various **potential research issues in image security**.

**SriRaghav**  
**2<sup>nd</sup> year CSE**



# COGNIZANT CIO CHALLENGE 2015

The CIO Challenge is an event being conducted by Cognizant across India. A total of 56 colleges participate in this event and SSN College of Engineering is one of them. A boot camp was organized by Cognizant on the 27<sup>th</sup> and 28<sup>th</sup> of January 2015 for the colleges from Chennai. The camp was held in the Cognizant campus at MEPZ SEZ in Tambaram, Chennai. The first day at the boot camp involved many activities helping the students understand the different principles in software engineering and application development. The introduction about the camp was given by Ms. R. Nithya from Cognizant and the activities were conducted by Mr. S. Sanjay. The first activity was the **“Marshmallow Challenge”**. This fun-filled activity constituted a few spaghetti sticks, a marshmallow, a yard of thread and a yard of tape. The aim was to build the tallest self-standing structure using these resources with the marshmallow on top. This activity stressed the importance of building a prototype and then extending to a larger model rather than build the large model first. The next activity was the **“NO – UI Challenge”**. As the name suggests, the aim of this activity was to build an application with no explicit user interface. Certain scenarios which traditionally required user interfaces were presented and the students were made to come up with solutions excluding the user interfaces. The students were next involved with activities which showed the importance of the agile methods in software engineering. Finally, there was a presentation on **“Elevator Pitching”** by Mr. Kumar Sachidanandam. Elevator pitching is a way of convincing an investor to invest in an idea in a short period of time by making use of good presentation skills. Speeches by Barack Obama and Steve Jobs were shown as excellent examples of elevator pitching.

The second day of the boot camp took place in the training rooms of Cognizant. The students were introduced to the Cognizant platform **“OneCognizant”**. The software used was Microsoft Visual Studio and Microsoft SQL Server. The technology used was C#. The students were taught the four tier architecture used for developing applications by Mr. Dava Kumar from Cognizant. The students were asked to come up with different use cases, database design and wireframe design for the problem statement provided. Next, the Cognizant mentors provided a demo of the platform and showed the way to design an application using the four tier architecture. The students were then given a hands-on session with the



*Abishek Sudarshan K*  
*Final Year CSE - A*

We, the students, who attended the boot camp representing SSN College of Engineering, would like to thank Dr. Chitra Babu, HOD of the CSE department and Ms. S. Rajalakshmi, our mentor for the Cognizant CIO Challenge for their support. We would also like to thank the Cognizant team for their hospitality and for giving us an enlightening and memorable experience.



*Karthik Perumal P*  
*Final Year CSE - A*



# android workshop

*By CSI Student Chapter*

We are very grateful to the CSI student chapter enough, for organizing this workshop, which was very informative as well as fun-filled. It should be really appreciated that the cost of conducting this workshop was entirely borne by the student chapter itself. Now, to mention the instructors from Target Solutions, they were very friendly people. They understood the difficulties that students face during their first time with anything and paced their training session accordingly; true to a saying 'Patience is a virtue'.

The day had 3 sessions, with hands-on in parallel with lectures. The following resource persons shared their knowledge on the various aspects of android development.

1. **Muthukumar G**, an experienced project manager spoke about Enterprise and Mobile Apps.

2. **Prithviraj**, a Technology professional with over 10 years of experience in ERP, CRM BI and Business Process Automation Tools gave an introduction about '**APPDHOOM**' and its process.

3. **Dinesh Kumar. A**, who has handled many Sessions in Mobile Application Framework and Development Environment spoke about the technical skills that are required for developing an android application.

We started off with normal GUI programs involving buttons and text areas and moved on to the deeper concepts of MVC architecture, invoking events and the like. We, students were jubilant to find out that each one of our android apps was working. The guidance was definitely commendable. Even the development tools required to build an App, namely SDK was circulated to us before starting.

As for the lectures, they were very interactive. Towards the end of this workshop, a small written test was conducted to assess the knowledge we gained with regard to android programming. Students, usually allergic to tests, took up this test with more than just enthusiasm.

# Robotics

## workshop

Robotics, one of the powerful emerging technologies, will impact many aspects of our lives in the near future. **“Robotics and embedded systems”** is estimated to grow to a \$14.4 billion industry in India. Robotics requires a combination of Mechanical engineering, electrical engineering and computer programming skills. We, a group of students from 2<sup>nd</sup> year CSE, attended **Kaizen robotics program** at **IIT Madras Research Park**. It was a certification program conducted by **LEMA LABS**, a company founded by IIT Alumni under the guidance of faculty members of IIT Madras.

List of students who attended the workshop: Varshitha.G.J , Thiviyakalyani.N, Sai Veerya Mahadevan , Keerthika Rajvel, Vishal.T.V, Rithesh Kumar , A.R.Lohith

The resource persons threw light on the various basic concepts of robotics and the different types of robots. The trainers conducted intensive and interactive hands-on learning sessions. A kit of components required to build the robots was provided to each team of three people. All necessary resources such as theory booklets, practice hand-outs and software were made available to us.

We successfully built five different robots in the course. To name a few, Simple Line Follower Robot , Obstacle Avoidance Robot, Pulse Width Modulated Robots and Analog to Digital conversion Based Robots were devised.

We had an amazing experience debugging the errors and programming the requisites accordingly. On the final day of the program, we had a competition, where we were given a sample arena and a problem statement. We had to design a robot based on the specifications. It was really a nail-biting experience at the competition, seeing our robots cross each stage to reach the destination. There were many areas on which we were assessed. The team consisting of Varshitha.G.J, Subashree (SSN ECE dept ) were the runners up in this competition. We have finally understood what **“ROBOTICS”** is all about.

-G.J.VARSHITHA  
2<sup>ND</sup> Year CSE



Varshitha - Runner up



A Line Follower Bot

# SSN ACM STUDENT CHAPTER

SSN ACM Student Chapter was all vibrant and active this semester and organized many events for the students to promote a positive spirit and enthusiasm towards computing.

1

A one-day workshop on "GO Language Programming" was conducted on 10th February to provide a walk-through training in Go programming language to interested coders and help them easily build simple, reliable, and efficient software. Our department alumni Mr. Aravind Ram from Thoughtworks was the instructor for the session and 110 students belonging to second, third and fourth years enthusiastically participated in the event.

2

On 4 th March, SSN ACM Chapter's trademark programming contest "Code County V3" was held and the contest was open to all departments. The aim of the contest is to provide the participants with the ultimate coding contest experience by putting their programming skills to test in a challenging environment. 80 teams from various departments competed and Prashant Mahesh - Roopeshwar of First Year CSE bagged the first prize. Teams from second year CSE emerged as runners-up.

3

A Mock Placement Drive was conducted on 7 th March for the Thrid Year students to give them a feel of the placement process and provide an opportunity for them to realize their potential and assess their employment skills for getting recruited for a tech job. A technical aptitude test and technical interviews were organized. SSN Alumni Mr. D.V. Vignesh from ebay, Mr. Shrinivasan from Freshdesk and Mr. Aravind Ram from Thoughtworks headed the interview panels.

4

On 21 st and 23 rd March, SSN ACM Chapter volunteers held sessions on "Linux OS" for second year students to provide a case study of operating systems and help them understand its basic concepts by highlighting the working and technical details of Linux OS.

# ACM India Annual Event 2015

The ACM India Annual Event 2015 was hosted by BITS Goa along with Goa University and was sponsored by Oracle, Google, Microsoft Research, TCS and Persistent Technologies. The event commenced with a speech by Mr. Alexander Wolf, ACM President who gave a succinct speech on the mission of Association of Computing Machinery. This was followed by an oration from Mr. Srinivas Padmanabhuni, ACM India President. Prof. Madhavan Mukund, Vice-Chair of ACM India along with Dr. Susan Rodgers, SIGCSE Chair then launched the ACM Special Interest Group on Computer Science Education (SIGCSE). The first day ended with the ACM India Doctoral Dissertation Award which was won by Dr. Rijurekha Sen, IIT Bombay for her work on “Different Sensing Modalities for Traffic Monitoring in Developing Regions”.

The second day saw presentations from Dr. Katherine Yelick, Professor of Electrical Engineering and Computer Sciences, University of California at Berkely, Dr. John Hopcroft, Professor of Computer Sciences, Cornell University and Dr. Susan Rodgers, Professor of Computer Sciences, Duke University. They each presented fascinating insight into their scholarly works.

-Srikumar, 3<sup>rd</sup> year



# Google Go Language



As always, the SSN ACM Student Chapter has been working very hard to bring the latest and the best of all the technological advancements currently taking place to the our ever tech-savvy group of blooming computer science engineers. This time we did enlighten everyone by organizing a "Workshop on Google's GO Programming Language" on 10th February 2015, this language is usually used for building fast back-end servers or utilities that work across operating systems that was developed by Google Engineers in 2007. The resource person for this workshop being one of our alumni Mr. Aravind Ram who is currently working in ThoughtWorks, Chennai. We had an overwhelming response from the students for this workshop with nearly 200 registrations, unfortunately we were not able to accommodate all of them and had to restrict the count to 125. This was a one day workshop which started off with a general introduction to GoLang following which the importance of GoLang in the current IT scenario was explained that emphasized on the companies that used GoLang and about its very light weight and efficient build. Finally before the break session we had plunged into the fundamentals of the Go Language and we ended this with Mr. Aravind Ram's signature "Code Kata" session that was a hands-on coding session that trained all the participants to get familiarized with the fundamentals of the language. Later after the break session we had about three sessions "Concurrency vs Parallelism", "Demystifying go routines" and "Go channels" that briefed the participants about the core GoLang concepts. Once again we had the "Code Kata" session that marked the end of the workshop.

**Satish Palaniappan, 3<sup>rd</sup> year**



# GUEST LECTURE ON SIMPLEX METHODS

It all started at the ECE Central Seminar Hall on 25th March 2015. The speaker was Prof. G.Srinivasan, from the Department Of Management Studies at IIT Madras. He has had 25 years in the field of Operations Research and Supply Chain Management and with 10 years of teaching experience.

Starting with the basic concepts of linear programming, he elaborated on product mix problem. He taught us how to frame mathematical linear equations from the given problem statement. From this point, he started to explain the concept of maximum flow problem. Prof. G. Srinivasan kept the session interactive by shooting questions which made the concepts more clear. The various ways of solving these linear equations namely graphical and algebraic methods were explained with more examples. Then, the concept of flow augmentation flow problem was taught.

The session ended with a valedictory of thanking Prof. G. Srinivasan.



# Our experience at the Capgemini visit

**Techfiesta 2015** was an event conducted by **Capgemini**. It was a platform for the people working in the company to showcase their ingenuity in the area of problem solving and also a way for the company to interact with students.

We arrived at the campus at 9'o clock accompanied by two staff and our placement coordinator. The inauguration of the event started with the keynote speech given by a manager from **IBM** with special emphasis on data mining and its application on their **Watson** supercomputer which won the "**Jeopardy!**" Game show in the United States of America making it the first super computer to do so.

He explained the problems faced while making Watson to answer the questions posed by the show's host and walked us through the entire process that takes place in Watson's mechanical mind. He said Watson wasn't connected to the internet during the show which meant that he couldn't surf the internet for the answers and relied only on the data stored on his database. First when the question is posed it is analysed and split into tokens. After that there is hypothesis generation which could answer the question from the database. After this the next process is to form relationships between the evidences to see which the right answer is. The fourth is the most important piece in the entire process. It is the merging of learning with the experience, this enables Watson to make learning possible as a natural process. It does the above process by generating a **rank list** based on its experience to know which the right answer is. If the answer doesn't match up to Watson's parameter then it won't answer. This enables the Watson to know his own level of understanding and what it can answer and what it can't making it a strong AI. After the keynote speech there were awards presented to the employees for their performance in that quarter.

After the inauguration we went to see the stalls which were put up by the employees presenting their unique solutions to problems faced by the clients. We were then given a tour of the campus, followed by a tour of the client room where prospective clients are met. They told about the kind of products they build and services they provide and then opened the floor to questions.

In short, the trip to Capgemini was an eye opener as it gave us a sneak peek into the IT world and above all made us realise that the work we do in college will have its reward one day.

-Gayaprasad S, 3rd year



## TEAM

Faculty – S.Manisha  
Gayaprasad      Hariharan  
Akil                Ruban  
Revanth            Seshathri



# NAAM DESIGNS

Gone are the days when people kept using websites built by certain technicians and designing websites was merely a nightmare. Now it is the technical era where designing a website is like shooting fish in a barrel. One such website is **NAAM DESIGNS**, which is my start-up project. This aims at providing various solutions related to websites and also provides various tools for web developers to make web development easy. This website was launched on 14<sup>th</sup> Feb 2015.

My first project was a website featuring an orphanage home - Thillaiyambur home for aged, in Kumbakonam. The content for that website was written by Gayaprasad S of 3<sup>rd</sup> year CSE. Mageshwaran V of 3<sup>rd</sup> year CSE integrated location services and money transfer service for the same. This initiative caused a stir to explore this field a bit more.

**Text style generator** was my first web tool developed. It is a tool that facilitates the user to customize text in various ways and the code for the same can be generated automatically. Also, it has an option to generate image file of customized text. This will be useful for web/app developers since this reduces time in writing code.

**CSS shape generator** is another tool currently under beta testing. This tool will be useful to generate various shapes or speech bubble to include in websites with great ease.

True to the words of a popular saying, “Good web design is the character of the content and not the character of the designer”. Web design requires lots of creativity in addition to technical skills involved. Also, it is essential to notice that the purpose and content of the website are good.

I would like to thank B. Prabavathy mam for her motivation. When I showed my first website to her, it was her appreciation and motivation, that led me to develop web tools like text style generator and CSS shape generator.

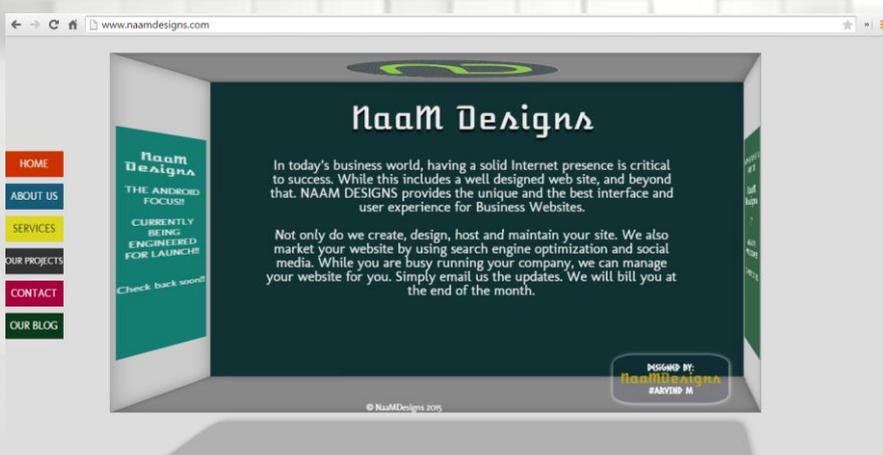
The following are the links to my websites and web tools:

<http://www.naamdesigns.com>

[http://www.naamdesigns.com/text\\_style\\_generator/index.html](http://www.naamdesigns.com/text_style_generator/index.html)

<http://www.naamdesigns.com/css-shape-generator/index.html>

- Arvind Muthuraman, 3<sup>rd</sup> Year CSE





# PAPERLESS RECEIPTS USING NFC

Paperless is painless. All of us here are tired of bills of all forms. Of having to procure, save and preserve bills for a possible but highly unlikely future reference. It is especially frustrating standing in a supermarket to get an evidently long bill for a frivolous purchase of a chocolate bar. Added to this is the time wasted in receiving bills itself, and the environmental side effects of paper wastage.

We, Sriranjitha, Shivani and Nandini V of CSE-B year 3, set about finding ways to put an end to this cumbersome scenario while exploiting the omnipresence of mobile phones. We presented, at the Infosys I-Innovate contest held on 19<sup>th</sup> March 2015, a simple and elegant solution to this problem.

Near field communication or NFC is a feature available in one in three smart phones today. Statistics prove that this feature is bound to bloom to 67% of phones by 2016. We proposed to use NFC to transfer receipts from billing terminals to phones without the use of paper. This not only saves time, energy and trees, but also brings down the cost of receipts by a staggering 30 times.

The finals of Infosys I-Innovate contest was attended by 17 colleges, of which we came runners-up. We are truly delighted to have had this platform to present the idea, and extend our sincere thanks to Mr.V.Balasubramanian and all our other faculty for their continued support.

Sriranjitha R  
CSE B, Year III



Nandini V



Sriranjitha



Shivani





# BLACKBOX

We the hostellers from 1st year CSE B decided to venture into the world of App development.

We held a meeting at D304, the place where all the team members gathered to brainstorm the ideas. The initial meeting went well. To our astonishment the so called meeting turned out to be fruitful. The initial idea was to develop an app in all the three leading platforms Windows, iOS and Android. So we split into three teams, assigning one for each platform. But that idea was an utter flop, thanks to assignments and records. We lost the spark and progress was very slow.

Suddenly, from nowhere came Adithya with "**Unity**" the software which we used for development. Vignesh came up with the idea of black box moving through spaces. Everyone started contributing their ideas of how the game should look. It all started on a Wednesday, the app was ready on store by Monday. This game of ours marked our commitment, it made us work as a team. Selvendran turned no hopes down when we gave our requirements for the **HOW TO PLAY** video. He completed the work in just three hours. Even the cost for creating an account was equally shared. I would be wrong if I don't extend my thanks to my fellow hostellers from other departments. They motivated us throughout and they took the heavy burden of publicizing this app. Thanks to them we have over **200** downloads now.

Satheesh P, 1st year CSE B

## P.I.M.P – Pain In My Processor

### TEAM

Adithya J	Nishanth Krishna J	Kaushik Narayanan S
Kishore S	Paneer Selvam	Sankaran M
Satheesh P	Selvendran K	Shailesh S
Sivakumar R	Sivakumar K	Sounderyan B
Uttam Raj	Thandapani A	Vignesh Kumar M





Lua Language



Corona SDK



Last month, I got to intern in a company called BuildSkills which focuses on building educational games. My project was to build a mobile app for kids to learn about animals. I chose to build it using Lua with Corona SDK. And, I found it so simple and surprisingly easy to use. For a programmer who has experience only in C, Python or C++, Lua can be a breeze. It uses the same scope rules, functions, expressions and rules as the other languages which make it easy to learn. Using Corona SDK is a great way to start developing mobile apps.



M.R. Sudha, 2<sup>nd</sup> year

### 1. Install Corona SDK

Corona is available for Windows and Mac OSX. But prior to installing it, there are few tiny things you need to know. You will need a 32 bit Java Development Kit. The rest of the installation is pretty straightforward. You can find instructions if you need, here – <http://docs.coronalabs.com/guide/start/installWin/index.html> .

### 2. Explore a bit

There are two extremely useful resources to learn to use Corona. <http://coronalabs.com/resources/tutorials/getting-start>. <http://coronalabs.com/resources/tutorials/getting-started-with-corona/>, is nicely organized and gives you an idea of almost all the features you will use in your app. Take some time and go through these sections.

### 3. Do something!

Now that we are ready, we will modify a sample code from Corona resources and add new features to it. Go to the sample code folder, and open **Sample Code > Interface > Button Events > Open main.lua** in your editor. Try Out code basically creates 5 buttons and a text box. And, whenever you press a button, text is updated on the textbox about the current button pressed.

### 4. Add some more functions

Now try adding some more features to this block of code. For example, Corona also supports either SQLite or JSON for database. An important feature of Corona is the use of Composer. Every app has at least two screens, Composer lets you manage and define those scenes.

### 5. Troubleshooting

When you run your code, Corona gives you an easy to interpret error message along with the line number and module, so it shouldn't be difficult to understand where you went wrong.

**Happy Coding!**



# THIRUDAR



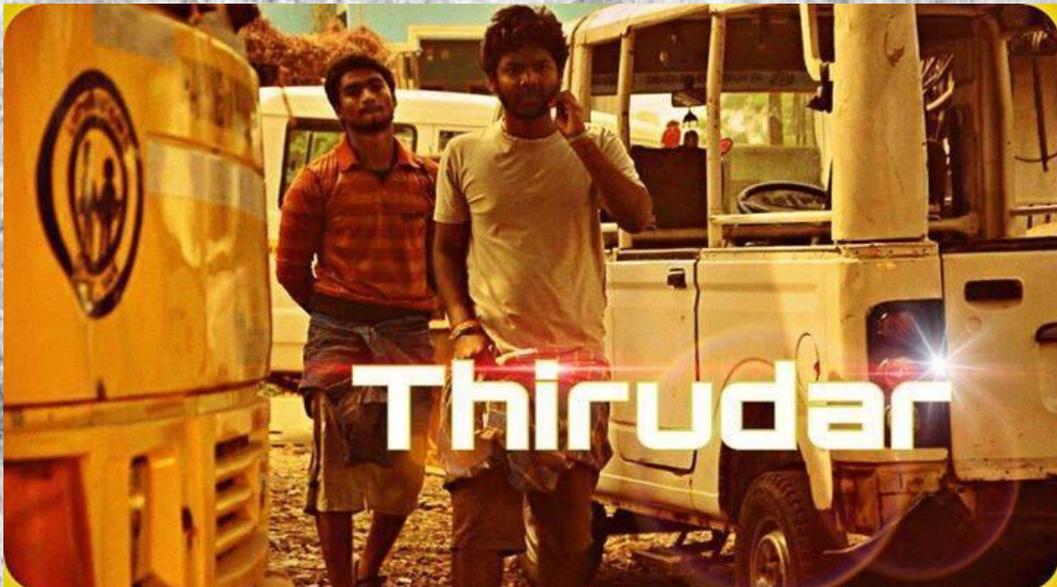
Thirudar is a Typical North-Madras Tamil Short Film which is directed by Ashwin kumar, 3rd year CSE. It contains multiple 'Rajni' elements and is coupled with a sound message that "பகைவனின் பகையை விட நண்பனின் பகையே ஆபத்தானது" (Rivalry amongst friends is much deadlier than that with enemies) from Kochaidaiyan!

The film moves around the life of three gangsters and depicts about their friendship, greediness, vengeance and betrayal.

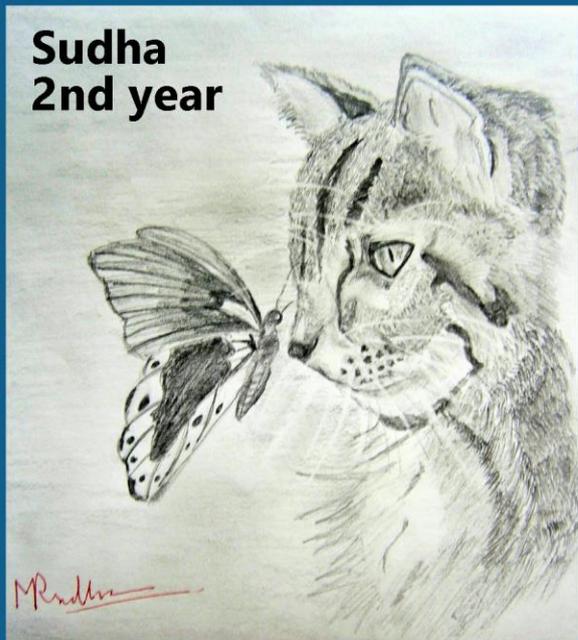
The cast and the crew is all new and it is our debut film.

Thirudar won the BEST ART DIRECTION & BEST CINEMATOGRAPHY awards at Coimbatore Institute of Technology on the next day of release and a Special Mention in SRM Eashwari College of Engineering.

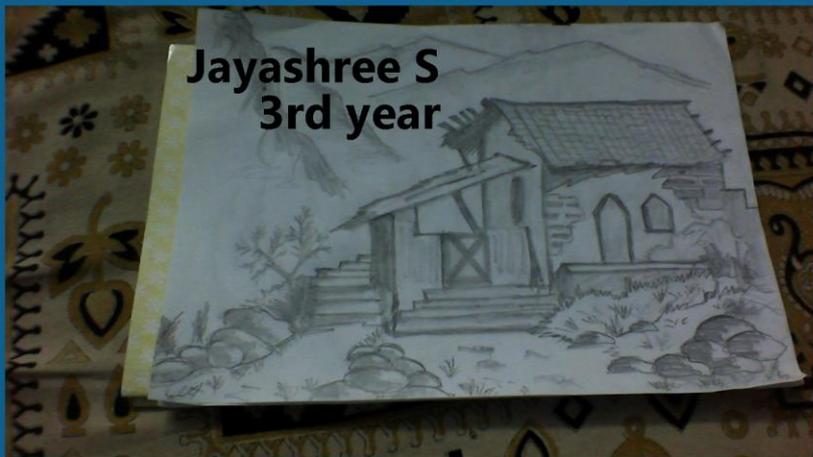
<https://youtu.be/MrZ-E-Ln9d4>



Sudha  
2nd year

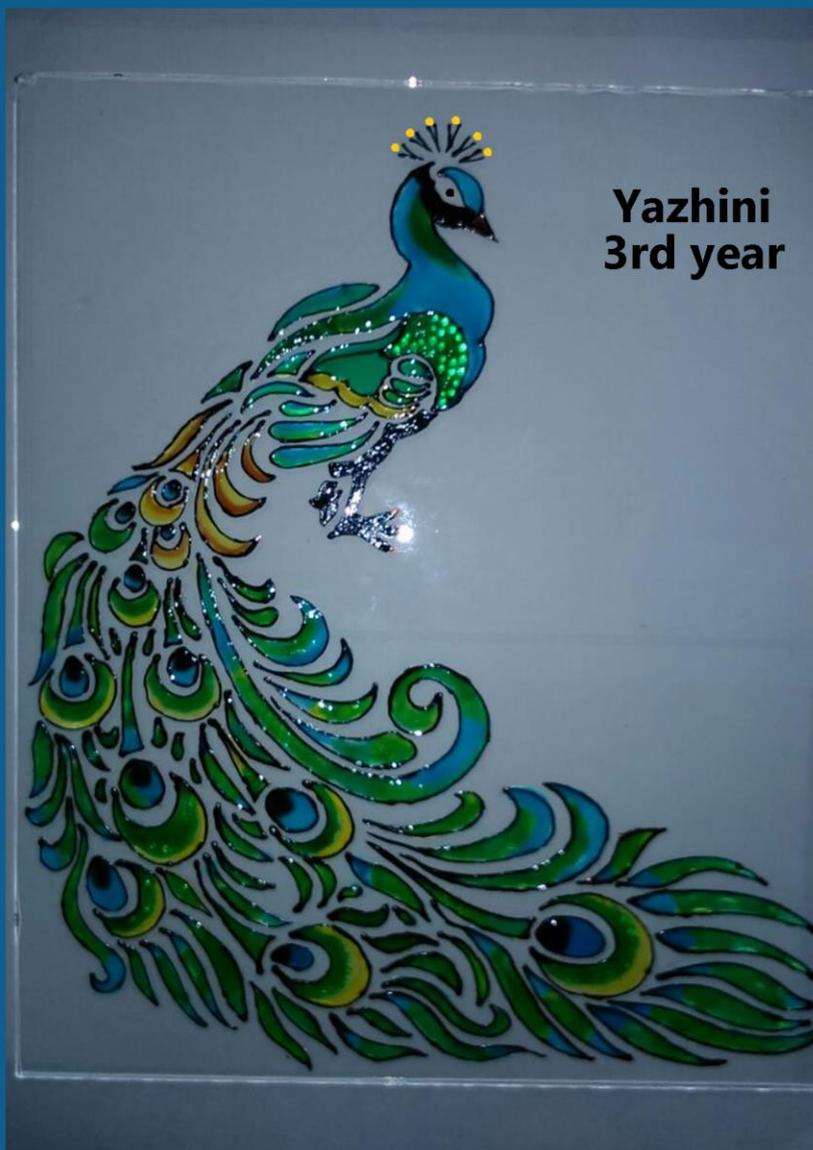


Jayashree S  
3rd year

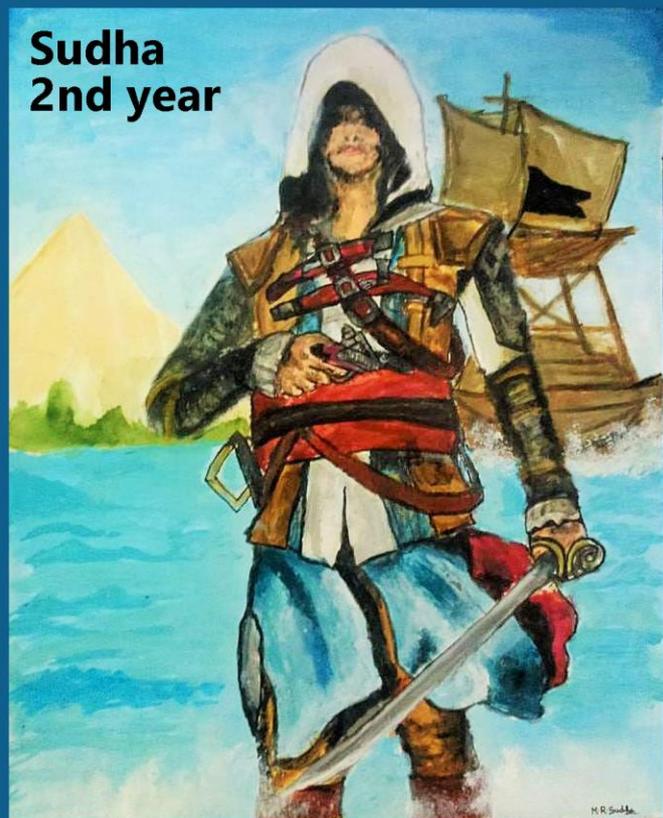


# ART Corner

Yazhini  
3rd year



Sudha  
2nd year



Jayashree S  
3rd year





**Satish Palaniappan, Naveen Hariharan, Naren T Kesh, Vidhyalakshimi S of 3rd year CSE and Angel Deborah S, AP/CSE.**

Published a paper titled "Home Automation Systems - A Study" in International Journal of Computer Applications, vol. 116, no 11, pp 11-18, ISSN 0975 – 8887, April 2015. (IF- 0.82)

**Satish Palaniappan, Raghul Asokan, Srinivas Bharathwaj of 3rd year CSE and Sujaudeen N, AP/CSE.**

Published a paper titled Automated Meter Reading System - A Study in International Journal of Computer Applications vol. 116, no 11, pp 39-46, ISSN 0975 – 8887, April 2015. (IF- 0.82)

**Sukanya and Swaatikka of 3rd year CSE**

Presented a paper in International Journal of Computer Applications on Enhancing Computational Performance using CPU GPU Integration in February

**Sanjana S of 3rd year CSE**

Published a paper in international journal of science and research.  
Presented a paper in the international conference on intelligent information technologies

**Naveen H, Samiya Nazim, Siddharth S of 3rd year CSE**

Won first place in IoT challenge at Pragyan. We made a prototype of sewage automation system using IoT. Using a board provided by the organisers. From Texas instruments (18k Cash Prize)

**Seshan r Cse 4th year ,Meghavarnam Cse 4th year ,  
C.V.vishal Ramaswamy Cse 3 rd year and Keshav Cse 2nd year**

Has won First place in  
Hawker bot contest held at Kurukshethra,Anna University



## **Sumanth V of 3rd year CSE**

Internship on cybersecurity From 23rd dec to march 14  
In Technica information and security (hyderabad) (1 month)

## **Shashank S of 3rd year CSE**

Intern in data mining and analysis at serendio from 8 Dec to 10 jan  
(1 month)

## **Nivetha T of 3rd year CSE**

Interned at Infomonk, Bangalore and was part of a Web project for  
Internet Labour Claim.(3 weeks)

## **Vinetha J, Sai Shravanthi S of 3rd year CSE**

Finalists at GDG Devfest Chennai '14 at an innovative app design contest  
and a part of Design Sprint.

## **Ruban B of 3rd year CSE**

Won First prize in DIGITAL ILLUSTRATOR event of OZMENTA  
(a technical symposium ) held at Velammal Engineering College

## **Saketh Balaji of 2nd year CSE**

EthiQuiz Movies 3rd Prize  
Kurukshetra scitech 3rd Prize  
Kurukshetra open best college  
Ifmr biz quest 1st place  
Srm commencia biz quiz 2nd Prize  
Mahindra mindquest 3rd best college.

## **Rajan, Satchit, Rithesh Kumar of 2nd year CSE**

3rd place in ACM SciTech quiz at SSN.

## **Satchit NS, Rithesh Kumar of 2nd year CSE**

Code County at SSN College of Engineering, Runner up.

## **Kaushik P, Susindaran E, and Prasanthi S of 4th year CSE**

Received internship offer in Flipkart Ltd, one of the top E-shopping websites  
in India. Among the three, Kaushik P and Susindran E have taken up the offer.



## **Vijay Sarathy of 2nd year CSE**

1. Won 1st in Terribly Tiny Tales and short story writing in WoW (War of words) in REC college.
2. Won intra college team chess tournament held in SSN
3. Special mention in short story writing in Econvista in LSR, Delhi

## **Sai Veerya Mahadevan, Ranjini Ramesh of 2nd year CSE**

Performed at Egmore museum theatre on March 28th for the MY Theatre Festival, as a part of SSN's Theatre group Lights Out Please, curated by Crea-Shakthi.

## **MathRix'15**

MathRix is an inter-collegiate students' meet conducted by the Department of Mathematics at College of Engineering, Guindy. MathRix'15, held on 11th March 2015, had quite a few computer science related events in which students of our very own CSE department made a mark.

**Krithika.B of 2nd year CSE-A** participated in 'Bug-Master', a debugging contest, and won second place. She was awarded a cash prize of Rs.1000.

**Krithika.B and Indu.M of 2nd year CSE** also participated in 'D-Structs', an event to test the ability of the participants in Data Structures.

They placed third in the contest and were awarded Rs.500 as a cash prize.

## **Abacus'15 –**

Abacus is the CSE symposium conducted by the College of Engineering, Guindy. Abacus'15 was held from 20th-22nd of February.

**Asritha.M and Krithika.B of 2nd year CSE-A** made it to the finals in two events: Mathzzle and SeCrypt.

## **Prasanth Mahesh of 1st year CSE**

Received internship at Amazon by winning a competition at CEG TechFest 2015.

## **Bezzam Varun of 3rd year CSE**

Has secured 337 in GRE

## **Sriraghav K, Sockalingam RMS AND Sabariesh M of 2nd year CSE**

Attended an in-plant training titled FINANCIAL INFORMATION MANAGEMENT SYSTEMS at ICF railways11



## Workshop by LatentView

LatentView Analytics conducted a workshop at College of Engineering, Guindy, on 6th February 2015. The workshop was about Scaling Up Hadoop and Parallel Processing Framework(Banyan).

The workshop was attended by **Indu.M of 2nd year CSE-A**. The workshop covered a wide variety of topics starting from an introduction to Hadoop and its components and the drawbacks of Hadoop. They also demonstrated their proprietary software, Banyan, which is suitable for large scale processing of embarrassingly parallel jobs. Towards the end, the participants were also taught to set up a single mode cluster.

## Virtual Trading Workshop

A workshop on Virtual Trading was conducted by the SSN Wall Street Club, an initiative by the Entrepreneurship Development Cell of SSN, on 11th February 2015.

**Krithika.N and Indu.M** attended the workshop, which was held after a 4-part weekly session in which the participants were enlightened about stock market and trading. On 11th February, the participants were organized into teams and given virtual money to perform virtual trading, in which the objective was to maximize their profit.

## Teach A School

Teach A School is a social initiative by the EDC of SSN, which aims to teach basic concepts of Mathematics and English to students from public schools in Chennai. Among the many volunteers from SSN, this semester, the volunteers from the CSE department were: **Nivetha.T and Vijayalakshmi.S, from the 3rd year, and Ananya Ganesh, Lohith.A.R, Varna Suresh, Vishal.T.V from the 2nd year.**

This semester, TAS conducted multiple sessions at the City Public School in Nandanam and the Olcott Memorial High School in Besant Nagar during the month of February. .

## Prasanth Mahesh and Roopeshwar of 1st year CSE

Were selected for the prestigious ACM ICPC Amritha on-site contest and finished at 69th place. They also got 2nd place at the ACM ICPC India Chennai Provincial Contest-2015 held at Hindustan University on February 2015.

## **Mohana priya K of 3<sup>rd</sup> year CSE**

Got 3rd place in the National Big data Hadoop workshop AppsFluxus conducted by Finland Labs and IIT Roorkee in SSN.

## **Ruban B, Revanth K of 3<sup>rd</sup> year CSE**

Participated in CSEISMIC 2k15, a National level Technical Symposium conducted by KCG college of Technology and won in SQL Injection ( Third Place ) and Digital Advertising ( Second Place ).

## **Vignesh S, Revanth K of 3<sup>rd</sup> year CSE**

Participated in UBERTECH'15, a National level Technical Symposium conducted by SRM University Vadapalani and won in De-code ( second plave ), Polygot coding event ( second place ) and Internet navigation ( Third place ).

## **Devesh Rastogi, Mageshwaran V of 3<sup>rd</sup> year CSE**

Title: Zero Response Time Scheduling Algorithm  
Paper presented in International Conference on Innovative trends in Engineering and technology held at Dhanish Ahmad College of Engineering on 20-21 March 2015.

## **Marks2Score**

Developed by AndyFolders- is an Simple App that lets you to calculate the marks required to score for different grades based on the Anna University Internals out of 20. Just choose your Internal Out of 20 and just Tap the Button or Shake to calculate the Marks2Score. (Developer: Lokkeshwaran, 3<sup>rd</sup> year)



# Best Outgoing Student Award

To receive the award of "Best Outgoing Student of the CSE department" would fill anyone with pride and joy. It was no less for me, and more so for my parents. I felt extremely honored and humbled on receiving such an accolade at the 19th College Day function from the very scholarly Chief Guest Dr. Irai Anbu.

I applied for the honor with little hope and was excited upon hearing the news of my accomplishment. To be selected the Best Outgoing Student among such bright classmates is definitely no easy task. I am truly thankful to the HOD and the professors who have recognized me as a deserving student even amongst my talented peers. After receiving this award I have confidence that I can fare better and accomplish more in my future. It has been a push forward that has made me believe in myself.

The four years I spent in this college have been wonderful and have passed too quickly. Yet, I have learned more than I could ever imagine and made friends I will cherish for a lifetime. I have enjoyed every year thoroughly by involving myself in the activities various clubs like the Dance club and Entrepreneurship Development Cell at SSN offer. But I'd say that being titled the Best Outgoing Student has been the highlight of my four years here.

**-Aparna Anand**



# College Day 2015

The most awaited College day was held on 8th April 2015. Many chief guests namely Venkatachalam Irai Anbu and Ravi IPS graced the occasion and delivered inspirational speeches. They gave away the medals and certificates to the meritorious students. Kudos to the following list of students of our department:

## List of students who won gold medals:

1. Rakshitha.V.S
2. Spurthy.S
3. Vishal.T.V
4. Mohanapriya.K
5. Sanjana.S
6. Neela Niranjani.V (3)
7. Saravanan.I
8. Preethika.P
9. Venkatraghavan.S
10. Indu Joseph
11. Kalyani.S
12. Kripa Sekaran
13. Sumathy.S
14. Sathya M
15. Preethi.R
16. Tephilla Prince
17. Selva Priyanga S R D
18. Lakshmi Priya .U

## List of students who won silver medals:

1. Parinitha G K
2. Vignesh G
3. Vijay V (2)
4. Rajan A
5. Sai Sravanthi A
6. Mohanapriya.K
7. Venkatraghavan.S
8. Saravanan.I
9. Kalaimathi R
10. KavithaRani R
11. Kripa Sekaran
12. Indu Joseph(2)
13. Poonguzhali Sshre G M
14. Saranya Jothi C
15. Selva Priyanga S R D
16. Preethi.R (2)
17. Tephilla Prince

# Placement Details

COMPANY	NO. PLACED
ACCENTURE	9
AMAZON	1
AMAZON INTERNSHIP	1
ASCENDANT	3
BA CONTINUUM	2
COGNIZANT	27
FIDELITY	4
FORD	2
GLOBAL ANALYTICS	4
HCL	1
HEXAGON AB	1
FLIPKART INTERNSHIP	2
INFOSYS	3
KARYA TECHNOLOGIES	1
L&T INFOTECH	1
LATENT VIEW ANALYTICS	2
LISTER	1
MOBIUS	1
MU SIGMA	10
MULTICOREWARE	2
ORACLE	1
POLARIS	8
SUCCESS FACTORS	1
TATA COMMUNICATIONS	2
TEMENOS	4
THOUGHTWORKS	1
VERIZON	1
VISA	2
WIPRO	2
ZOHO	10

# TICKET TO USA

## HIGHER EDUCATION DREAMS REALIZED

Every year, a sizeable number of final year students from our department opt for pursuing their higher studies in countries abroad, especially the USA. Even this year many students had applied and received admissions from multiple universities in the United States. These admissions are a testimony to the calibre of the students of our department and their thirst to gain more knowledge in this field.

Below is a list of the universities that the students who received admits have chosen as of now:

S.NO	NAME OF STUDENT	UNIVERSITY
1	Srinath Narayanan	University of California, San diego
2	Shanthini Velan	University of Florida
3	Jennifer Jesuraj	University of Illinois, Chicago
4	Karthik Perumal	North Carolina State University
5	Natha Manoj Kumar	University of Texas at Dallas
6	Senthamil Sindhu	Arizona State University
7	Ashraya Ravikumar	Rutgers - The State University of New Jersey, New Brunswick
8	Venkatraghavan S	University of Illinois at Chicago
9	Aparna Anand	North Carolina State University
10	Karthik Kannan	Georgia Institute of Technology
11	Vaishnavi Viswanathan	University of Colorado, Boulder
12	Aishwarya Sreenivasan	North Carolina State University
13	Saagarikha S	University of Texas at Dallas

Many of these students received admissions from other universities too some of which are :

Arizona state university, North Carolina State University, State University of New York at Buffalo, Ohio State University, University of Florida, University of Illinois, University of Texas at Dallas and Northeastern University.

Best wishes to all these students to carry out their next phase of studies and achieve their goals in life!



# Farewell 2015



Food Village, ECR

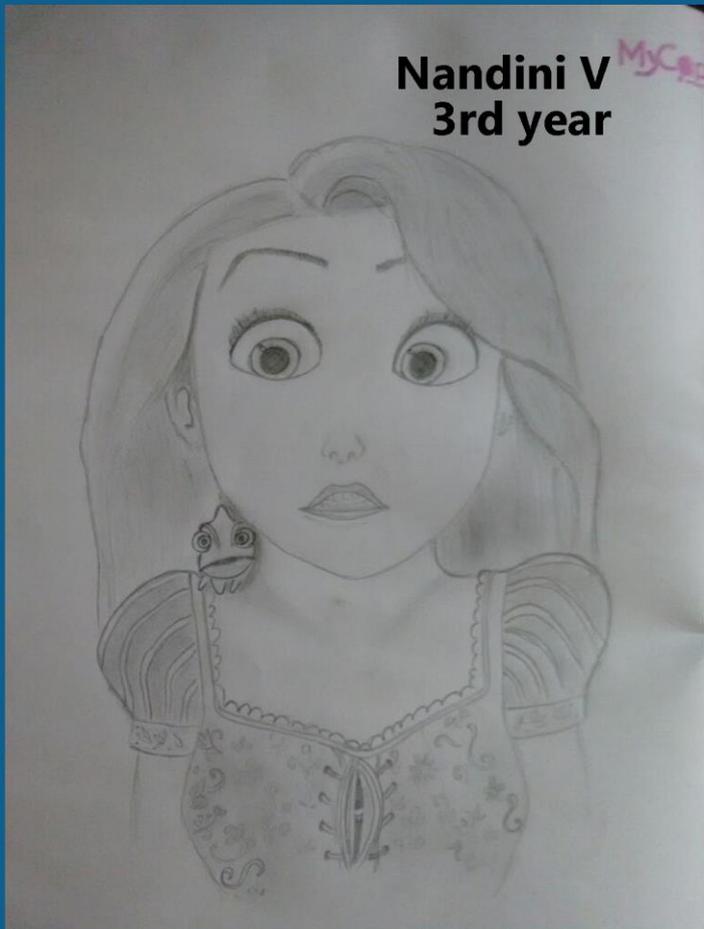


**Yazhini  
3rd year**



**Sudha  
2nd year**

# ART CORNER



**Nandini V  
3rd year**



**Yazhini  
3rd year**

# EMBARKING ON RESEARCH

## - AN ALUMNUS' ACCOUNT



I'm Arun, a third year PhD student at City University of New York (CUNY). I would like to take this opportunity to share my experiences as a research scholar.

During the penultimate year of my undergraduate studies, I planned to pursue higher studies abroad for better exposure. However, the plan did not materialize due to various reasons. As the saying goes, "As long as you know where and how to look, failure can indeed be a great teacher". I learnt my lessons and appeared for GATE (Graduate Aptitude Test in Engineering) exam. I was delighted to gain admission to SSNCE with "Merit Full Scholarship". Within few months of joining SSN, I realized that I could not have asked for a better platform to cultivate my research skills. First year kept me engaged with coursework and I particularly had fun working on challenging lab assignments.

More exciting than taking courses were the research experiences. I worked under the guidance of Prof. Kanchana for my Master's thesis. It has been a delighting experience to work on a research project. It gave me an opportunity to become familiar with the fundamentals of conducting research such as reading the literature, formulating a research problem, and applying the gained knowledge to produce helpful results.

In addition, it served as a means to share our novel ideas with like-minded people through international conference and journals. Sharing the results of our research with our peers in a standard form, language and style is an absolutely necessary skill for any researcher. I vividly remember the valuable lessons learnt from critical reviews of our research articles, which lead to better understanding of the subject.

The Computer Science department at SSN was kind enough to accommodate me as a Research Assistant for one year following my graduation. I worked on the extensions of my Master's thesis under the supervision of Prof. Chitra Babu and Prof. Kanchana during this period. I had the opportunity to attend guest lectures and workshops at SSN. I was fortunate to meet my current thesis advisor at CUNY, Prof. Ravindran during one such meeting. After gaining admission with fellowship to CUNY and receiving a second farewell – one from my juniors and another from the super-junior batch – I moved to US to pursue my PhD!

Looking back, these myriad experiences made me who I am today and equipped me with the confidence to work on challenging research problems. I am grateful to all the faculty members at the Computer Science department, especially Prof. Kanchana and Prof. Chitra Babu, for their unstinted support during my stay at SSN and their continued guidance and motivation until date.  
Thanks.

**Arun Adiththan**

**M.E. CSE (2009-11 batch)**

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