DEPARTMENT OF INFORMATION TECHNOLOGY
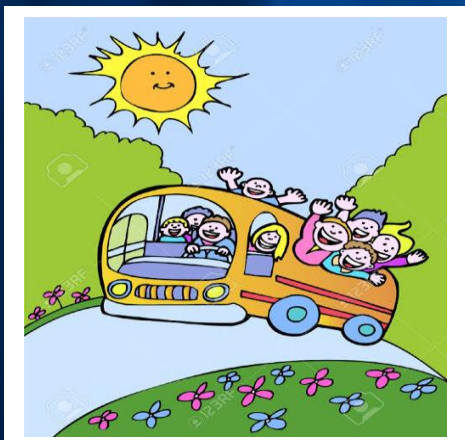
DR.MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY

POLLACHI-03

CONTENT

Department of Information Technology

Vision

To become a Centre of Excellence in education and research in the field of Information Technology, to meet global challenges in computing industries.

Mission

To impart world-class knowledge in the field of Information Technology.

To support and facilitate research and development activities.

To promote industry-institute interactions to empower the faculty members and students.

To develop all round personality by inculcating the values and skills needed for students to upgrade themselves as IT professionals.

Programme Educational Objectives (PEOs)

The graduates will:

PEO1. **Technical Expertise:** Have high level of technical competency to identify problems and to generate innovative solutions, which would conform to the needs of IT industry.

PEO2. **Lifelong Learning:** Successfully adapt to changes in roles and responsibilities, through lifelong learning, for collaborating professionally with various stakeholders.

PEO3. **Ethical Knowledge:** Ethically apply their computing knowledge and skills considering societal, economic and environmental factors.

Programme Outcomes (POs)

The graduates of Information Technology Programme will be able to:

PO 1. **Engineering knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization in the field of Information Technology.

PO 2. **Problem analysis:** Identify, formulate, analyze and solve complex problems in computing industries using principles of mathematics, natural sciences and engineering sciences.

PO 3. **Design/development of solutions:** Design a software solution for complex engineering problems and design system processes to meet specific needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PO 4. **Conduct investigations of complex problems:** Conduct investigations of complex problems including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusion.

PO 5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO 7. **Environment and sustainability:** Understanding the impact of engineering solutions in social environment and exhibit the knowledge for sustainable expansion.

PO 8. **Ethics:** Realize and bind to professional ethics and the norms of engineering practices.

PO 9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.
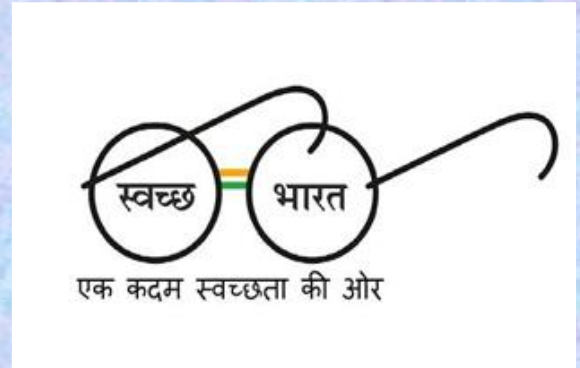
PO 10. **Communication:** Communicate with engineers and society to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions related to IT Professionals.

PO 11. **Project management and finance:** Demonstrate and apply the knowledge of engineering and management principles to one's own work, as a team leader or a member to manage project in multidisciplinary environments.

PO 12. **Life-long learning:** Recognize the need for, and have the ability to engage in independent and life-long learning in the context of technological change.

CLEAN INDIA

Swachh Bharat is started by the government to make India, a completely clean India. Clean India was a dream seen by the Mahatma Gandhi regarding which he said that, **"Sanitation is more important than independence"**. During his time he was well aware of the poor and the dirty condition of the country that's why he made various effort to complete his dream however could not be successful. As he dreamt cleanliness & sanitation are integral parts of healthy peaceful living. Even after 67 year of independence, India lack of cleanliness & sanitation. Thus, the government initiated Swachh Bharat for clean & hygienic country.

"GO GREEN!GO CLEAN!"

Swachh Bharat Abhiyan is a national cleanliness campaign established by the Government of India. This campaign is covering 4041 statutory town is order to clean road, street & infrastructure of the India. It is a mass movement has run to create a clean India in 2019. It is a step ahead to the Mahatma Gandhi's dream of Swachh Bharat for healthy & prosperous life. This mission was launched on 2nd of October 2014 (145th Birth anniversary of Bapu.) by targeting it's completeness in 2019 on 150th birth anniversary of Bapu. This mission has been implemented to cover all the rural & urban areas of the India under the Ministry urban Development & the Ministry of Drinking Water & Sanitation accordingly.

The first cleanliness drive (on 25th of September 2014) of the mission was started by the Indian Prime Minister. Narendra Modi earlier to its launch. This mission has targeted to solve the sanitation problem as well as better waste management all over the India by creating sanitation facilities to all.

Swachh Bharat mission is very necessary to new continuously in India until it gets its goal. It is very essential for the people in India to really get the feeling of physical, mental, social& intellectual well-being. It is to make living status advance in India in real means which can be started by bringing all over which can be started by bringing all over cleanliness. Below I have mentioned some points proving the urgent need of Swachh Bharat Abhiyan in India:-

➢ It is really very essential the open defecation in India as well as making available toilets facilities to everyone.
➢ It is needed in India to convert the insanitary toilets into flushing toilet.
➢ It is to make India a clean & green India.
➢ It is to implement the proper waste management through the scientific process, hygienic disposal, reuse & recycling of the municipal solid wastes.
➢ It is necessary to improve the quality of life of people in rural areas.
➢ It is to bring the dream of Bapu to really come true.

"One, who maintains cleanliness keep away diseases."

The foremost important thing of citizen is to spread the awareness of unsanitary surrounding and to educate the importance of Swachh Bharat. It's not possible to give awareness to people all around the India. So, start doing your bit, educate your domestic help and workers in and around your housing colony. Go to small villages which are closer to where you put up and explain to them how important it is to use a toilet for them and the rest of us. Tell them that they are polluting the environment and you are getting affected too.

The moment you see someone littering or polluting the environment, go up to them, talk to them in the politest of manner, explaining why you seen so bothered about the environment, throwing in some major health risks and other problems which might occur due to pollution can be some help too.

"Be the change you want to see in the world"

This initiative is not only by meant to done by the student's. It should be done by everyone to make India, a clean. When everything is shared by everyone, then work would be simple. Let all put hands together for betterment of India. This coming together of all the people for one cause can be transferred to various other causes & we can finally see some actual work happening in the country. We can do this for proper rules &putting a program system in a place. Swachh Bharat can become way bigger if only we give it a chance to become big.
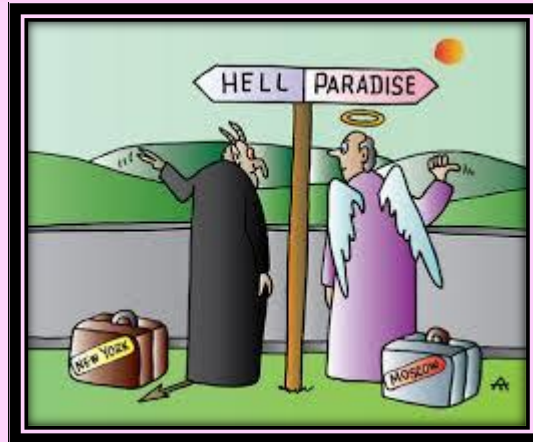
We can say Swachh Bharat Abhiyan, a nice welcome step the clean & green India till 2019. As we all heard about the most famous proverb, **"Cleanliness is next to godliness"**, we can say surely that clean India campaign will really bring godliness all our the country in few years if it is followed by the people of India in effective manner. So, the cleanliness activities to war welcome the godliness have been started but do not need to be ended if we really want godliness in our lives forever. A healthy country & a healthy society need its citizens to be healthy & clean in every walk of life.

CLEANING HOME & AREA BE OUR FIRST INITIATIVE TOWARDS CLEAN INDIA.PUT HANDS TOGETHER. JAI HIND

M.RUKMANI

II IT

BRAIN TEASERS

Puzzle:

A person dies, and he arrives at the gate to heaven. There are three doors in the heaven. One of them leads to heaven. Another one leads to a 1-day stay at hell, and then back to the gate, and the other leads to a 2-day stay at hell, and then back to the gate. Every time the person is back at the gate, the three doors are reshuffled. How long will it take the person to reach heaven?

HINT:
This is a probability question – (i. e.) It is solvable and has nothing to do with religion, being sneaky, or how au dente the pasta might be ;-)

Answer:

1/3 of the time, the door to heaven will be chosen, so 1/3 of the time it will take zero days. 1/3 of the time, the 1-day door is chosen; of those, the right door will be chosen the next day, so 1/9 trips take 1 day. Similarly, 1/9 will take two days (choosing the 2-day door, then the right door).After that, the cases split again, and again, and I can't seem to make a nice infinite sum this way, so let's try again. Suppose the average days spent is X. 1/3 of the cases are done in zero days as before. 1/3 of the cases are 1 day plus X. 1/3 are 2 + X. So:

X = 1/3 * 0 + 1/3 * (1 + X) + 1/3 * (2 + X)
= 0 + 1/3 X + 2/3 + X/3 + 1/3 + 2X/3
= 1 + 2X/3

Therefore,

X/3 = 1
X = 3

On average, it takes three days to get to heaven. Two if the noodles are limp. Took me one blind alley, and about five minutes.

M.V.KHEERTHANA

II IT

MATHEMATICAL QUOTES!!

"The sole end of life is the honor of the human mind."

-C.G.J.Jacobi

"If a carcass is needed to stir up the people, I will donate mine."

-Everiste Galois

"The knowledge at which geometry aims is the knowledge of the eternal."

-Plato

"Statistical thinking will one day be as necessary for efficient citizenship as ability to read and write."

-H.G.Wells

"Algebra is generous; she often gives more than is asked of her."

-Jean-Le-Rond D'Albert.

"Life is good for only two things ,discovering mathematics and teaching mathematics."

-Seimon poisson

"Number rules the universe."

-Pythogoras

"Beauty is the first test;there is no permanent place for ugly mathematics."

-G.H.Hardy

"The depth study of nature is the most fruit source of mathematical discovery."

-Joseph Fourier

R.SHARMILA

III IT

☺ MY TRUE COMPANION ☺

My true companion is TOMMY. He is not just a pet but he is my lovely little brother. He is a fawn Labrador dog. He turned two years old by August 31, 2016.He is very smart, naughty and active. He runs at an incredible speed.

He is a non- vegetarian; normally we feed him with milk-rice, carrot and rusk. But he is fond of chicken very much. And he loves to eat sweets, ice creams, cakes, fruits except sour tasted fruit like orange. He almost eat everything, but our grandma restrict to give; because of fear on his health.

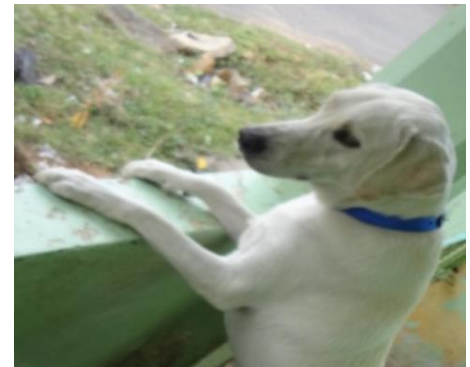"Not every human knows how to love dogs. But every dog knows how to love human."

He is more caring not only with our family members; but with everyone. He except only two things, one is he want to be always with us and another is we want to be always with him. He loves to go out for a walk with my elder brother. Even though my brother behaves rude sometime, he never keeps it in mind. He does enjoy my brother's company every time without thinking of anything. He can able to walk in two legs. And he used to dance by holding our hands with his two forelimbs.

He have the capability of finding us. Though we maintain silence, he would find us and say come to me. He usually calls our neighbors and other dogs with care. But some thinks like he is simply barking for no reason. Actually he wished to have a happy time with them. Mostly, many people love Tommy. They often call him Tommy! Tommy! .He also fond of them. Because of him everyone wear a smile happily. I can say he is a hero and lucky charm for everyone. He never and ever harm anyone. He likes massaging and patting him. He feels more comfortable by this. He likes to play catching the ball and running chasing games.

"Dogs do speak, but only to those who know how to listen."

He afraid for fireworks now-a-days, in this time he wants us to be with him. But in his age one, he played nearby fireworks. We know hearing power will be more for dogs than other living beings. This may be the reason of his fear. We take care of him with love as our family member. He does think as the same. He means everything to me. My happy times and sad times are with him. I feel blessed and refreshed being with him.

He turns my sadness to happiness. His tender is one that wipes away the tears of mine. He is one of my precious and favorite treasure I have. He is a true companion for me forever. Every day with him is so special and memorable.

N.REVATHI
II IT

DAEMON-**D**isk **A**nd **E**xecution **MON**itor.

RTC-**R**eal **T**ime **C**lock.

EOF -**E**nd **O**f **F**ile.

TDCC -**T**ransportation **D**ata **C**o-ordinating **C**ommittee.

EOT -**E**nd **O**f **T**ransmission.

FLOPS -**F**loating **P**oints **O**perations **P**er **S**econds.

GDI-**G**raphics **D**evice Interface.

DDK -**D**evice **D**river **K**it.

API -**A**pplication **P**rogramming **I**nterface.

OCR-**O**ptical **C**haracter **R**ecognition.

POTS-**P**lain **O**ld **T**elephone **S**ervice.

GIF-**G**raphic **I**nterchange **F**ormat.

NCSA-**N**ational **C**enter for **S**uper **C**omputing **A**pplications.
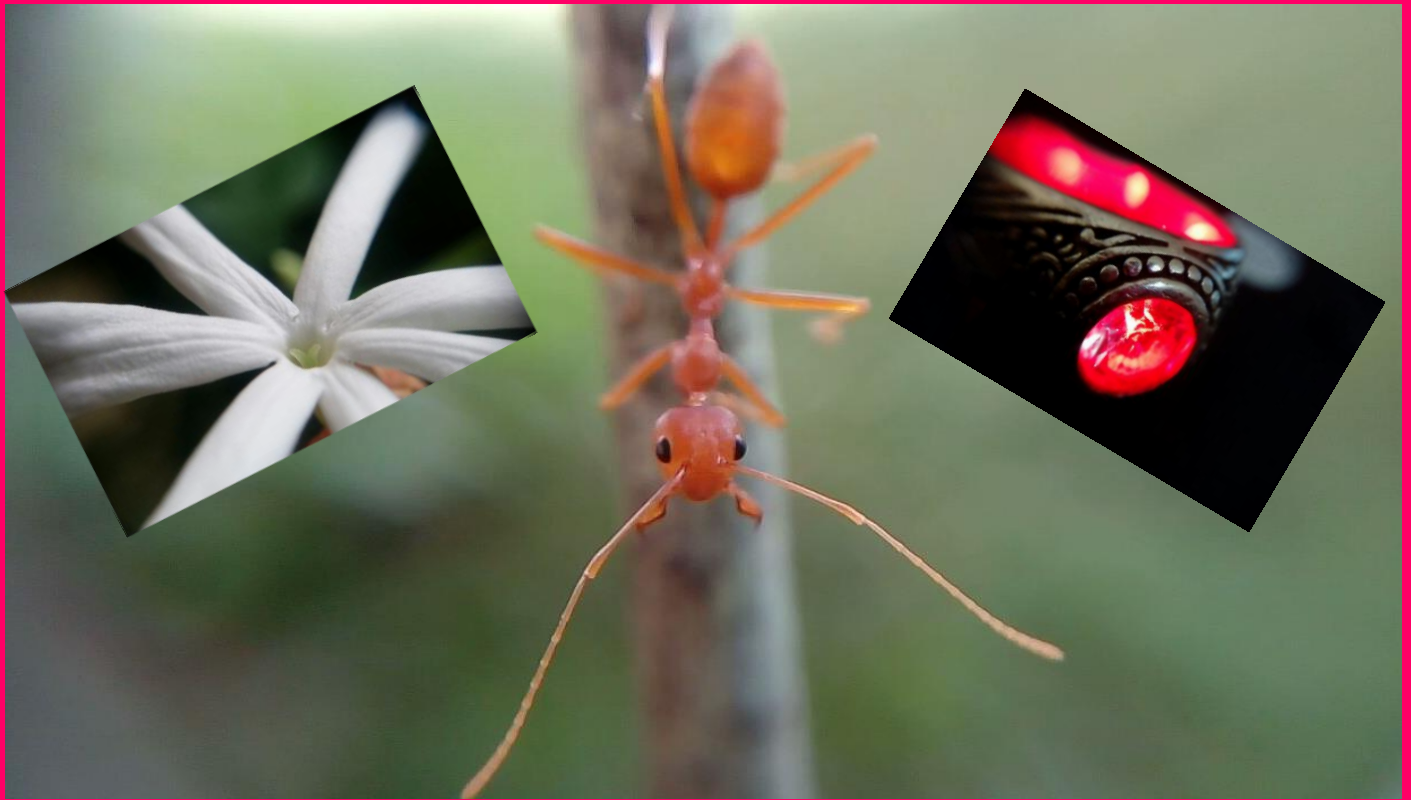
ISDN-**I**ntergrated **S**ervice **D**igital **N**etwork.

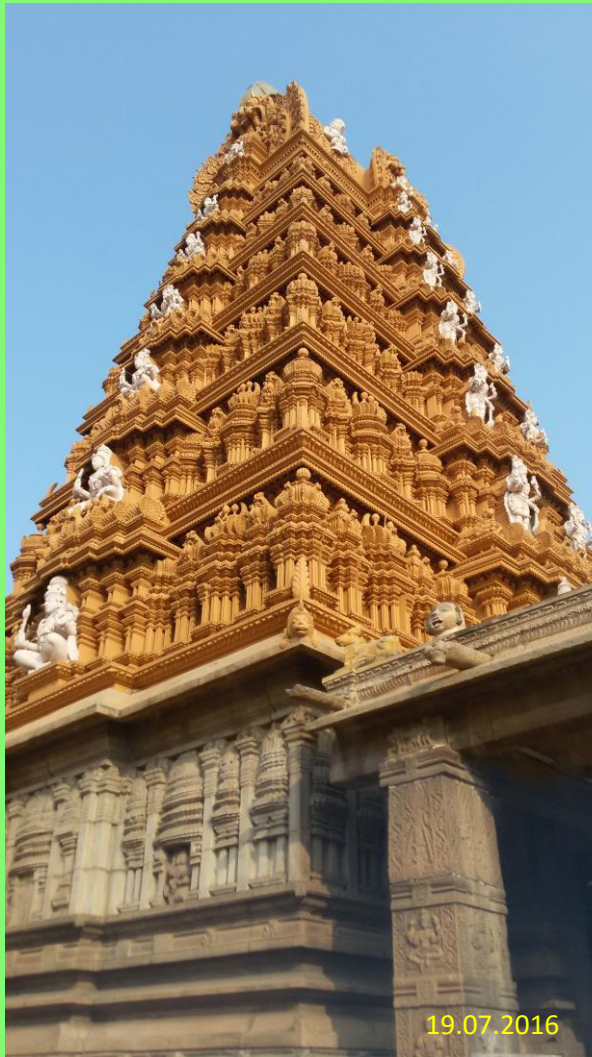**CSPE**-**C**ontrol **S**pecification.

G.VAISHNAVI

III IT

PHOTOGRAPHY

M.ABDUL RAHMAN

II IT

08.08.2016
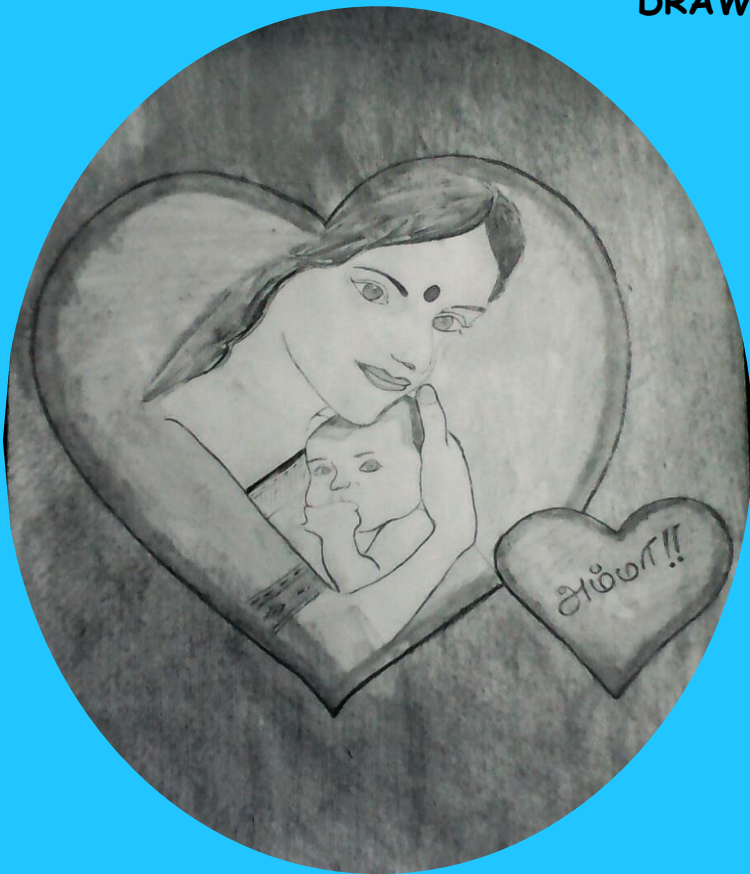
18.08.2016

PHOTOGRAPHY

19.07.2016

10.11.2015

20.01.2016

B.RAGHUL PRASATH

II IT

DRAWING

I ❤ my mom :)

"GOD COULD NOT BE EVERYWHERE AND THEREFORE HE MADE MOTHERS."
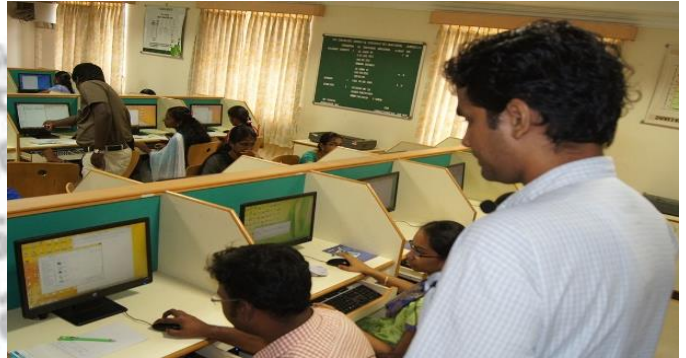
G.NANDINI

II IT

PROGRAMMES ORGANIZED

Workshop on "Python Programming"

Resource Person: Mr.Ramadoss Founder, Amachu Systems, Chennai

Venue: Programming and Networking lab, MCET

Date: 30. 07.2016

Participants: 51

One Credit Course on "Perl Programming"

Resource Person: Mr.Ramadoss Founder, Amachu Systems, Chennai

Venue: Programming and Networking lab, MCET

Date: 31.07.2016

Participants: 35

PROGRAMMES ATTENDED BY FACULTY

Title: Four Week AICTE Approved FDP on "Use of ICT in Education for Online and Blended Learning"

Faculty Members: Mrs.L.Meenachi, AP (SS) and Mr.P.Sathiyamurthi, AP (SS)

Organized by: IIT Bombay RC

Date: 01.07.2016 - 30.07.2016 (Online)

Title: FDP on "Big Data and Analytics"

Faculty Member: Mr.K.Kangasabapathi

Organized by: Infosys Limited, Mangalore

Date: 22.08.2016 – 26.08.2016

Title: "Deep Dive Faculty Enablemment Program on Foundation Program 4.0"

Faculty Member: Mrs.S.Soundariya

Organized by: Infosys Limited, Chennai.

Date: 29.08.2016 – 02.09.2016

Title: FDP on "ZigBee and Wi-Fi Technologies"

Faculty Member: Mr.N.Krishnaraj

Organized by: PSG College Technology, Coimbatore.

Date: 29.08.2016 – 02.09.2016

IT Technical Association

Inauguration & Guest lecture Event

Guest Lecture on "Software Testing in Industry Perspective"

By: Mr. K. M. Boopathi, Test Lead, Cognizant Technology Solutions

Venue: Mechanical Seminar Hall

Date: 23.07.2016

INDUSTRIAL VISIT BY FACULTY

Faculty Members:

Dr. S.Ramakrishnan, Professor & Head – IT

Mr.J.Ramprasath, AP- IT

COMPANY VISITED @ Chennai:

- **Accel Frontline Pvt. Ltd**
- **Precision Infomatic (M) Pvt Ltd.,**
- **Birlasoft**
- **The Business Lab**
- **Amachu Automation Systems**
- **SQS India BFSI Limited**

Date: 07.07.2016- 09.07.2016

INDUSTRIAL VISIT BY STUDENTS

II IT-B
BSNL, Coimbatore
15.09.2016

42
Student

AT LECTURE

WHILE SPLICING

PRACTICAL EXPERIENCE

III IT-A
Lakshmi Mills,
Coimbatore
24.08.2016

43
Student

Infosys Pvt. Ltd

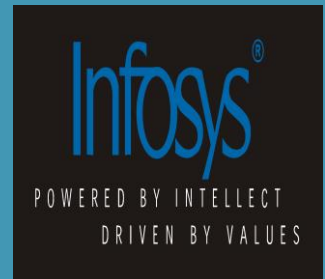|		
Indhira E	Jeeva Swarna A	Illagiya Vijalakshmi D
Raga Rakshitha R	Swetha S	Blessy Shona G
Rakshana S	Dhanaranjani R	Praba Devi B
Reshma N	Abinaya Shruthi A	Sruthi S
Sathya S	Divya Prabha S	Rajeswari A
Sabari Ashwanth P	Gayathiri V	Sasipriya M
Nivetha V	Gawtham Srinivasan R	Shakilabanu M
Rajalakshmi T	Haripriya B	Sownthariyaa G
Priyadharshini B		

25

NTT Data Pvt. Ltd

Priyadharshini V

Ashwin Yegappan M

Malathi M

Shabari Loganaathan V B

Nirmala Devi T

Alaguvibiya D

Lokesh K

Selva Nalini V

Financial Software and Systems Pvt. Ltd

Madhuvarshini N

Katheeja Praveen D

Dinesh Ravi

Hewlett Packward Pvt. Ltd

Kirubakaran S

ExcelaCom Technologies Pvt. Ltd

Arun Kishore B

8

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1

3

ALUMNI MEET

Faculty Members:

Dr. S.Ramakrishnan, Professor & Head – IT

Mr.J.Ramprasath, AP- IT

Venue: Chennai

Date: 08.07.2016

A Forum to share experiences

LIFE😊😊

Life is an opportunity, benefit from it.

Life is beauty, admire it.

Life is a dream, realize it.

Life is a challenge, meet it.

Life is duty, complete it.

Life is a game, play it.

Life is a promise, fulfill it.

Life is sorrow, overcome it.

Life is a song, sing it.

Life is a struggle, accept it.

Life is a tragedy, confront it.

Life is an adventure, dare it.

Life is luck, make it.

Life is too precious, do not destroy it.

Life is life, fight for it.

-Mother Teresa

EDITORIAL MEMBERS

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