

Dr. MAHALINGAM



COLLEGE OF ENGINEERING AND TECHNOLOGY

Enlightening Technical Minds

INFORMATION TECHNOLOGY



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(A TECHNICAL MAGAZINE)



VOLUME - 11

ISSUE - 1

AUGUST, 2018

STUDENT
ACTIVITY

STAFF
ACTIVITY

VISION
&
MISSION



INFO BEE

ARTICLES

TRAINING
&
PLACEMENT

DRAWING
&
PHOTOGRAPHY



**VISION &
MISSION**

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 promote industry-institute interactions to empower the faculty members and students.
- ✓ To support and facilitate research and development activities.
- ✓ 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:

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.

Programme Specific Outcomes (PSOs)

PSO 1. Open Source Software: Able to develop customized solutions for real world problems using open source software.

PSO 2. Data Science: Able to manage, store, retrieve and analyze the voluminous data efficiently.

Student Activities



IN-PLANT TRAINING



Nithyashri S - URC Infotech

04.06.18 to 16.06.18

*III rd years
-B*

Kavipriya.G - Appin Technologies

04.06.18 to 10.06.18

Ramya.P & Rathnapriya.T

- Soft Wings

04.06.18 to 08.06.18

Harshita.S ,Kavya.P & John Ruban.T

- HCL Technologies

28.05.18 to 16.06.18

Priyadharshini.T - PanTech Solution

28.05.18 to 29.05.18



In-plant training



Raja Balu Mathi R - BSNL
11.06.18 to 15.06.18

Mowriya & Sarumathi.R
- Abile Technologies
05.06.18 to 10.06.18

*III rd year
-A*

Priyanga.S & Tharani priya.R
- Appin Technologies
04.06.18 to 10.06.18

Abhiram Kumar.A
-Pyramid SoftSol Pvt Ltd
21.05.18 to 31.05.18

Suganya.S
-Nithra Edu Solutions India Pvt Ltd
21.05.18 to 28.05.18



AICTE SMART INDIA HACKATHON 2K18



No. of teams participated :2

Date:24.03.2018 to 31.03.2018



Red Hats

Sujatha.S

Nithyashree.C

Prakash.B

Kavya.P

Juhi Lesna.M

Sanjay.R

Mcet coders

Gowtham.M

Siva.V

Vignesh.Y

Pradeep.N

Sangeetha Priya

Pavithra.K

Event held in:

**Team Redhats:Oriental University,
Indore, Madhya Pradesh.**

**Team Mcet coders:Pranveer Singh Institute of Technology,
Kanpur, Uttar Pradesh.**





Staff Activity

Enter

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Paper Presentation

2nd International Conference on Inventive
Communication And Computational Technologies
(ICICCT 2018)

Title Of The Paper Presented: Speech And Audio
Cryptography System Using Chaotic Mapping And
Modified Euler's System

Presented by: Shobika S., Subashri N., Prakavi M.
Dr.S.Ramakrishnan, Prof. & Head.
Mr.P.Sathiyamurthi, AP(SS).

Venue: Hotel Arcadia Coimbatore, TamilNadu, India.

Date: 20/04/2018 & 21/04/2018.



**PAPER
PRESENTATION**



Development Programmes

AICTE Smart India Hackathon 2018

Faculty: Mr.J.Dhyaneswaran, AP.

Venue: Oriental University, Indore, Madhya Pradesh.

Date: 24/03/2018 to 04/04/2018.

AICTE Smart India Hackathon 2018

Faculty: Mr.N.Praveen Sundrakumar, AP.

Venue: Pranveer Singh Institute of Technology,
Kanpur, Uttar Pradesh.

Date: 24/03/2018 to 04/04/2018.

Workshop on “Action Research”

Faculty: Dr.A.B.Arockia Christopher, AP(SG).
Dr.M.Balakrishnan, AP(SG).

Venue: IIT Bombay Remote Center, MCET, Pollachi.

Date: 23/04/2018 & 24/04/2018.

FDP201x Pedagogy for Online &
Blending Teaching Learning process

Faculty: Dr.M.Balakrishnan, AP(SG).

Mr.N.Krishnaraj, AP.

Venue: MCET.





Date: 03/05/2018 to 30/05/2018.

FEP on Campus Conect Industry Elective-
“User Interface Technologies”

Faculty: Ms.R.Menaha, AP(SS).

Venue: Kongu Engineering college.

Date: 04/06/2018 to 08/06/2018.





Development Programmes

VMware Business Innovation Tour

Faculty: Dr.S.Ramakrishnan, Prof. & Head.

Dr.A.B.Arockia Christopher, AP(SG).

Venue: Hotel Vivanta by Taj, Coimbatore.

Date: 10/06/2018.

Workshop on “Action Research”

Faculty: Dr.A.B.Arockia Christopher, AP(SG).

Dr.M.Balakrishnan, AP(SG).

Venue: IIT Bombay Remote Center, MCET, Pollachi.

Date: 05/07/2018 & 06/07/2018.

Hands on Training in “Hadoop & Hive”

Faculty: Mr.J.Ramprasath, AP.

Ms.A.G.Priyavarshini, AP.

Venue: Data Science lab, MCET, Pollachi.

Date: 14/07/2018.

Training Programme on “Tablet based Teaching Methodology”

Faculty: Ms.L.Meenachi, AP(SS).

Dr.M.BalaKrishanan, AP(SG).

Ms.S.Ponni@Sathya, AP(SS).

Mr.S.Sasidharan, AP.

Venue: IITB Remote Center, MCET, Pollachi.

Date: 28/07/2018.

Programs Organized

Title: 8th National conference on computing and communication(NCCC'18)

Co-ordinators: Dr.S.RamaKrishnan, Prof. & Head,
Dr.G.Anupriya, HOD(CSE),

Mr.R.Muthusami, HOD(MCA),
Dr.A.Noble Mary Juliet, Asso.Prof(CSE),

Dr.A.P.Janani, AP(SG), IT,
Ms.U.Sujatha, AP(MCA).

Venue: MCET Pollachi.

No.Of participants: 20.

Date: 05/04/2018.

Title: Virtual Reality

Resource Person: Mr.Aravindhnan, Carsoft Global,
Pollachi.

Co-ordinators: Mr.N.Krishnaraj, AP(IT).

Mr.N.Praveen sundrakumar, AP(IT).

Mrs.S.Soundariya, AP(IT).

Partipants: IT Students.

Date: 12/04/2018.

Title: Agripreneur Course Module Design.

Resource Person: Ms.S.Ponni@Sathya, AP(IT).

Venue: Vanavarayar Insitute of Agriculture,
Pollachi.

Date: 28/06/2018 & 29/06/2018.

Programs Organized

Title: R Programming(One credit Course).

Resource Person: Mr.Sai Natarajan.

Co-ordinators: Dr.S.Ramakrishnan Prof. & Head.
Ms.L.Meenachi, AP(SS).

Venue: MCET,Pollachi.

No.Of participants: 30

Date: 14/07/2018.

Title: Hadoop and Hive(One Credit Course).

Resource Person: Mr.R.Balachander.

Co-ordinators: Dr.S.Ramakrishnan Prof. & Head
Mr.N.Krishnaraj, AP.

venue: MCET,Pollachi.

No.of participants: 58.

Date: 14/07/2018.





IT #INNOBEE **Association**

***"It's not that we use technology,
We live technology..."***



IT Association Inauguration

Date:14.07.2018 Venue:CS Hall Timings:3.30P.M-5.00P.M

Office Bearers

President- Sairam.S, IV IT.

Secretary-Kavya.P, III IT.

Treasurer-Vignesh.Y, IV IT.

Vice President-Pon Manikandan.V, III IT.

Joint Secretary-Abhishek.R, III IT.

Event Coordinators-Pradeep.N, IV IT

Sareeshwaran.S & Ratnapriya.T III IT.

Co Curricular Coordinators-

Rajeshwar.D & Harshita.S III IT

Guru Prasath M & Padmini J II IT..

Documentation Coordinators-

NithyaVishnuPriya S III IT &

Yuvan Karthik K II IT.

SIG Coordinators-Priyadharshini T III IT

Nigleswari Shivani K II IT

Placement Coordinator-Ramalingam.S, IV IT.

Training Coordinator-Sri Kamali, III IT.

Magazine Coordinator-Barath.R, III IT.



IT Association

Guest lecture:

Topic: Career Opportunities in Data Science

Name: Mr. R. Balachandar

Software Engineer, Target Corporation,
Bengaluru.



Internships and Placements



INTERNSHIP



Zoho Corporation Pvt. Ltd.

SAIRAM S

SUBA KARTHIKEYAN A

SUBIKSHA S

NAVANEETHA KRISHNAN M

RAJESH VELUMANI C M

KAVI KAMACHI A

Dated on:23.05.2018 to 31.05.2018



examly Inc, Bangalore

SRIKANTH A V R APARNA A

AFRAS ALI S

Dated on:23.07.2018



PLACEMENTS

ZOHO ZOHO Corporation Pvt. Ltd.

Karthikselvan N

Navaneetha Krishnan M

Subiksha S

Sairam S



Kavi Kamachi A

Meenaloshini R

Kanimozhi N

Rajeshvelmani C M

Suba Karthikeyan A



examly Pvt. Ltd.

Srikanth A V R

Aparna A

Afras Ali S



Drawings & Photography





SANGEETHA.M
2nd Yr IT



Gokula Priya
2nd Yr IT



Shyaam M
4th year IT



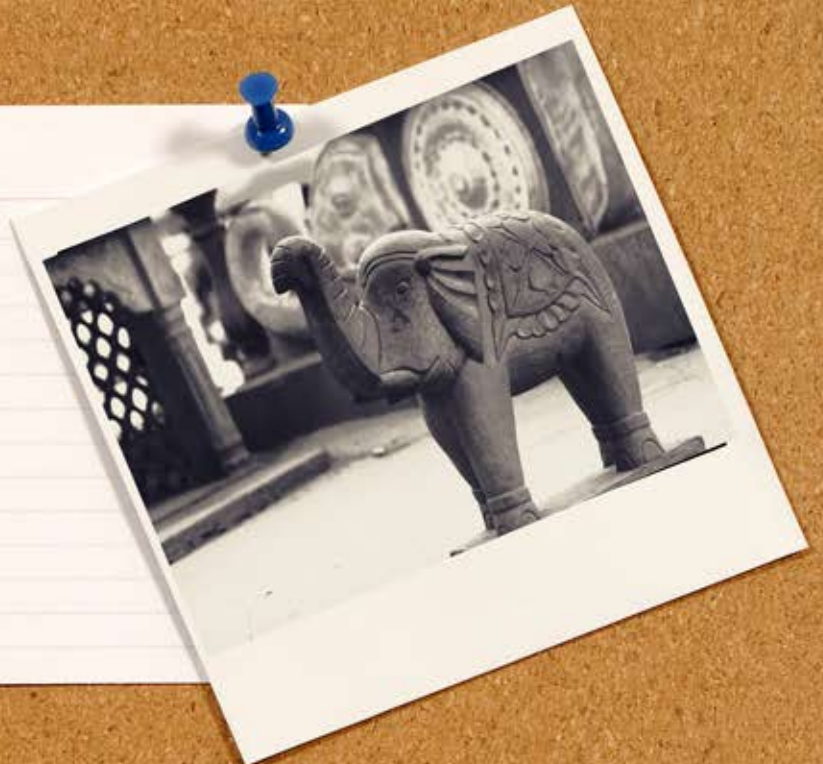
Poovendran.J
3rd yr IT



Sujatha,S
3rd yr IT



Sanjay.R
3rd yr IT



Priyadharshini.T
3rd yr IT



Suganya.S
3rd yr IT





ARTICLES

Did you know?

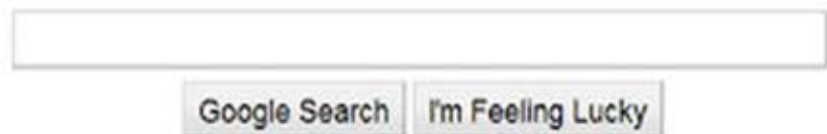
TECHNOLOGY FACTS



Apple Lisa was the first commercial computer with graphical user interface and a mouse.

"I'm Feeling Lucky" button on Google is a feature that directly bring you to the first web page of search result.

The Google logo, featuring the word "Google" in its characteristic multi-colored font.



The Only Person

The only person
Who makes me smile anytime
Who won't smile while I'm crying
Who shares anything and everything at anytime and everytime
Who stands with me at any situation may happens
Who treats me as a priority not as a choice
Who knows all my secrets than my parents
Who takes my responsibilities as her responsibilities
Who fights me a lot and cares me a lot
Who belongs to other family by blood but same family by heart
Who I don't want to lose at any extreme
Is none other than my friend(soul..)

TEACHER

They are the kind of people
Who don't show envy for our success
They are the people
Who can bring the potential out of clay
They never feel low
In bringing us high
Being in these roles
Is incredible always
Who else can be...?
Except the one,
Who taught to read and write.,
The Savior of our brain and
Glow for our ill-lighted path



Giri
III-IT



S. Harshitha
III-IT



TINY CYBORG SAVIORS



A tiny neuro-controller created by researchers at the University of Connecticut could provide more precise control of futuristic biobots, such as cyborg cockroaches that are already being tested for use in search and rescue missions inside collapsed buildings. Scientists have spent the better part of the past decade exploring ways to tether live insects to miniaturized computer hardware so they can manipulate an insect's movement. Such possibilities are of interest to the U.S. Department of Defense, search and rescue teams, and others. Success has been limited and numerous technological challenges continue to exist. This is mainly due to the tremendous difficulty building robotic systems at such small scale and the challenge interfacing electronic hardware with the insect's biological nerve tissue to initiate movement. The neuro-controller microcircuit developed at UConn is part of a tiny electronic 'backpack' that can be attached to the insect with its wires connected to the insect's antennae lobes. By sending slight electrical charges to neural tissue in either the insect's left or right antenna lobe, operators can trick the insect into thinking it has detected an obstacle, causing it to move in another direction. A charge sent to the right antenna makes a cockroach move left. Likewise, a charge to the left antenna makes it move right.



Source: ANU

"The use of insects as platforms for small robots has an incredible number of useful applications from search and rescue to national defense," says Abhishek Dutta, an assistant professor of electrical and computer engineering at UConn, who developed the circuit along with an undergraduate researcher in his lab, Evan Faulkner.

A TINY CAMERA LENS

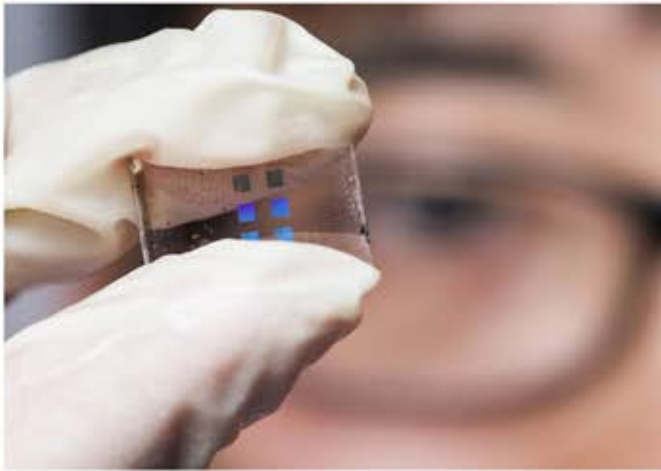


This may lead to a device that links quantum computers to an optical fibre network.

Quantum computers promise a new era in ultra-secure networks, artificial intelligence and therapeutic drugs, and will be able to solve certain problems much faster than today's computers. The unconventional lens made of a silicon film, which is 100 times thinner than a human hair, could enable a fast and reliable transfer of quantum information from the new-age computers to a network, once these technologies are fully realised. The device is with millions of nano-structures forming a metasurface, which can control light with functionalities outperforming traditional systems.

“It is the first of its kind to image several quantum particles of light at once, enabling the observation of their spooky behaviour with ultra-sensitive cameras”

“Our device offers a compact, integrated and solution for manipulating quantum light. It is fabricated with a similar kind of manufacturing technique used by Intel and NVIDIA for computer chips.”



B.Syed Neshar



T.Sudharsan

IMPORTANT HUMAN QUALITY

When a child grows, right from childhood, his parents try to teach him all the **GOOD QUALITIES**. Because those qualities are the true mark of a good human. It is upto an individual whether to imbibe these qualities in order to become a good person and to lead a happy life. **FAITH** - Have faith in yourself and in your abilities. Have courage to go where most people don't dare to go. Courage to be the person you were born to be. As said in the book of Mathew, in the Bible, if your faith is small as mustard seed and you can say the mountain to move from here to there and it will move. Your inner faith has a splendiferous power. **HUMANITY** - Basic principle of humanity is to love others as yourself. Have a caring and a helpful mind. When we take an instance of floods it was the humanity which helped and saved people. Nowadays people have more friends in social media than in reality. Showing humanity in social networking sites is not a big deal. Expressing humanity in reality matters, it varies from people to people. **THANKFULNESS** - **"THANKFULNESS IS AN ATTITUDE OF GRATTITUDE"**. Thank for the life which you have. Thank for the fortunes and the blessings that you have and which are yet to be added in your life. Because a value of a thing will be known only before it reaches and after it moves away from our hand. We all could be happy if we shrink our egos and express these qualities in our day to day life.



- NISHALI BABU
III IT

NOMOPHOBIA

-the biggest phobia of the world.

'Nomophobia' - the fear of being without your mobile.

As per the survey, it says that we check our phones 34 times a day. In 2008 survey showed that 53 per cent of us admitted to the phobia. Fears include losing reception, running out of battery, and losing sight of your phone. Maybe it is wrong to call this a phobia. For a phobia is generally an 'irrational fear', and that pang of anxiety when you are without your mobile in this brave new connected world is perhaps an understandable feeling. But either way, for 66 per cent of us, being with your phone at all times is an obsession that occupies every waking minute. If you think you may suffer from nomophobia - or 'no mobile phone phobia' - then the warning signs are: An inability to ever turn your phone off, obsessively checking for missed calls, emails and texts and constantly topping up your battery life.

The number of people afflicted with nomophobia was revealed in a study by SecurEnvoy, and shows a rise from a similar study four years ago, where 53 per cent of people admitted the fear of losing their phone. In the latest study, of the 1,000 people surveyed in the UK, 66 percent said they felt the fear. Young adults - aged between 18 and 24 - tended to be the most addicted to their mobile phones, with 77 per cent unable to stay apart for more than a few minutes, and those aged 25 to 34 followed at 68 percent.

That number is up from a similar study four years ago where 53 percent of people admitted to the phobia.

The study showed that people on average shows 75 per cent of us use the phone in the bathroom - with many people saying it is the modern equivalent of the newspaper. Other findings showed that, even if 49 per cent of us get upset if their messages and texts were not viewed by their contacts.

HOW TO DEAL WITH THE PHOBIA:

Avoid putting your mobile down in public places. Regularly create a back up of your address book on a spare mobile phone, SIM card or computer. Make sure you charge your battery before you leave the house. Keep a spare battery charger at work. Buy a spare battery as a back up. Before traveling check with your provider to make sure that you can send and receive calls while abroad

(and watch out for the extortionate internet data costs!).

Don't leave the fear inside you to ruin yourself, just fight against it so that it can run from yourself.



SIGNIFICANCE OF ACCEPTANCE

"ACCEPTANCE" is not just a word, it's the power to make the change. Even most of us have the trouble of accepting ourself exactly for who we are. It sounds easy to accept the happiest things. But what about the rest? Most of the people never understand their uniqueness and try to become a copy of others. Such a kind of living will be equal to a state called "living in a lie". It means you are not respecting your inner world and ignoring your inner beauty. It will lead to reduction in your self-confidence level and creativity. In our life, each of us will meet a situation - "BRAIN VS HEART". We will always be in a dilemma of choosing "Heart" or "Brain" to reach our goal. But it's an individual's decision to follow the Heart or the Brain. A person with determined heart and hardworking brain can reach a destination without any obstacle. It's all in our hands whether to become a master or a slave of our life. If you want to be the master of your life, accept the challenges of life and have a belief on yourself and try to

be unique. Try to taste both the sweet and sour of your own magical world. And try to accept not only the happiest things but also the hard times that will teach lot of lessons about life. Sometimes when we depend more on others, we forget our originality and try to adapt to their comfort. A person with adjustable nature and acceptancy will always lead a great and honest life. No matter what our imperfections maybe, we must accept them. At first, we must know the needs of our life and frame our role according to them. We can't change the things that have happened but can construct our Future on our way to attain our goal. We should always create positive vibes around us and accept all the troubles of life and face it with good attitude and be a successful person in all walks of life.

K NAAZIA

III YR IT-B



A-Z

Arise !when you fall
Beware !when you believe
Cheer out !when you try
Do it !when you decide
Encourage !when you look
Fullfil ! when you dream
Give !when you get
Help! when you can
Initiate !when you need
Join!when you isolate
Kick off! when you fear
Learn !when you fail
Make !when you have
Navigate! when you miss
Observe! when you watch
Perform!when you practice
Question!when you listen
Relax!when you stressed
Succeed !when you worksmar
Think !when you hear
Understand !when you confuse
Visualize! when you think
Win! when you reach
Xplore!when you come_out
Yours!when you bring up
Zeal!when you create



PRIYADHARSHINI T
III IT

Did you know?



Rob Janoff the designer of Apple Logo in 1977. He only included the bite " for people to scale so people get that it was an apple not a cherry."

"stewardesses" is the longest word that is typed with only the left hand.

[Ctrl]+[Alt]+[Delete] sequence was written by "David Bradley".





Ms.A.G.Priya Varshini

Magazine Team Members

Mohan.C

Priya Dharshini.T

Venkatesh.R

Sarmila.D

John Ruban.T

Naazia.K

Barath.R

Roshini.P

Palsamy.M