PRIYADARSHINI ENGINEERING COLLEGE

VANIYAMBADI

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VANIYAMBADI- 635 751

CSE INFOZINE

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Contents

Welcome

CSE INFOZINE

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CSE INFOZINE 2017

CSE infozineCSE infozineCSE infozineCSE infozineCSE infozineCSE infozine
CSE infozineCSE infozineCSE infozineCSE infozine

Dear readers

It gives us great pleasure to bring you the Fifth issue of CSE INFOZINE,the Department magazine of PEC. The name and fame of an department depends on the caliber and achievements of the students and teachers. The role of a teacher is to be a facilitator in nurturing the skills and talents of students.

This magazine is a platform to exhibit the literary skills and innovative ideas of teachers and students.
CSE INFOZINE presents the achievements of students and contributions of teachers

We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success.We profusely thank the management for giving support and encouragement and a free hand in this endeavor. Last but not the least we are thankful to all the authors who have sent their articles.We truly hope that the pages that follow will make an interesting read.

About the Institute:

Priyadarshini Engineering College, flagship of Jai Barath Caritable Trust, was established in 1995 At vaniyambadi in vellore district of tamilnadu.

The college has been approved bu all india Council for technical Education,New Delhi and affiliated To anna university,Chennai.

Priyadarshini Engineering College situated in the rural area of vaniyambadi ,vellore district is committed to the vision of developing itself into a multi campus, inter–disciplinary institution of excellence through symbiotic efforts and innovative practices of management and faculty to provide the student with an ambient environment ,ideal for the pursuit of knowledge and development carrier.

Vision

"T O INCULCATE IN THE YOUNG RURAL MINDS THE APTITUDE TO COMPLETE WITH THE QUALITY TECHNOCRATS"

Mission

"T O TNSTILL TECHNICAL SKILLS TO COMPETE IN THE SUSTAINBLE WORLD."

"T O IMPART HOLISTIC VALUE BASED TECHNICAL EDUCATION."

"T O INTENSIFY RESEARCH AND DEVELOPEMT (R&D) ACTIVITIES IN TECHNOLOGCAL DEVELOPMENT."

"T O IMBIBE CORE VALUES OF LOVE FOR MOTHERLAND,PERFORMANCE OF DUTY,COMPASSION,TOLERANCE,HONESITY AND INTEGRITY"

MOTTO

Perseverance,Endurance,Commitment.

"கற்றலும், கற்றவை கேட்டலும், கேட்டதன்கண் நிற்றலும்"

About the Deparment:

The Department of Computer Science and Engineering (CSE) was established in the year 1995 with the mission to educate students from rural areas, so that they become enlightened individuals, improving the living standards of their families, industry and sociaty.
The Post Graduate Programme viz M.E - Computer Science and Engineering was introduced in the year 2014.

The department is equipped with well qualified and exeperienced faculty members to improve and enhance the knowledge of the student community.

The department has good computing facilites with latest and updated versions of software.The department conducts periodic workshop,seminar and conferences to help students,research scholars and industries to share a common platform and thereby strengthen the industry institution fusion.most of the faculty and stdunts are members of professional bodies like ISTE and CSI.

VISION

"TO imbibe Computer Science skills to meet the growing Technological needs of software industry focusing specifically rural based population"

MISSION

"To provide students and faculty with an open environment that fosters professional and personal growth"

"To offer liberal high quality Computer Science Education"

"Motivating students to do interdisciplinary research in the field of Engineering and Techonology."

Programme Educational Objectives(PEOs):

PEO 1: Core Competence :

Graduates will be competent to design,develop and solve Engineering problems and shall have expertise in programming tools.

PEO 2: Breadth:

Graduates will acquire the skills required to be employed in National, international and Government organization.

PEO 3: Lifelong Learning:

Gradutes will be equipped with the skills to pursue higher education and be expert in their profession adopting lifelong learning.

PEO 4: Professionalism:

Graduates will have the ability to present and practice team based projects with professional ethics and social responsibility.

Programme Outcome (POs)

po 1: Engineering Knowledge

An ability to apply knowledge of computing, mathematics,science and engineering fundamentals appropriate to the discipline

Po 2: problem analysis:

An ability to analyze a problem,identify and formulate the computing requirement appropriate to its solution

Po 3: Design and Development of solution:

An ability to design,implement and evalute a computer - based system,process,component or program to meet desired needs with appropriate consideration for public health,saftely,cultural, societal and environmental considerations.

Po 4: Investigation of complex problems:

An ability to design and conduct experiments, as well as to analyze and interpret data.

Po 5: Modern Tool usage:

An ability to use current techniques,skills and moden tools necessary for computing practice.

Programme Outcome (POs)

PO 6: Engineering and society

An ability to analyze the local and global impact of computing on individuals, organization and society.

PO 7: Environment and Sustainability:

Knowledge of contemporary issues.

PO 8: Ethics:

An understanding of professional, ethical,legal,security and social issues and responsibilities.

PO 9: Individual and Teanwork:

An ability to function effectively individually and on teams,including diverseand multidiclinary activites to accomplish a common goal.

PO 10: Communication:

An ability to communicate effectively with a range of audiences.

PO 11: Life Learning:

Recognition of the need for lifelong learning and an ability to engage in continuing professional development.

PO 12: Project Management and Finance:

An understanding of engineeing and management principles and apply these to one's own work ,as a member and leader in a team to manage projects.

FROM THE EDITOR'S DESK

Dear students,

Hearty welcome to the newly launched CSE Department's fifth issue of the magazine for the academic year 2016-2017.

The objectives of the magazine is to mainly focus on the

Achievements of the Students and Faculty members from the CSE dept in Curricular, Cocurricular and Extra-curricular Activities.

The Recent trends in the area of Computer Science & Engineering and related areas.

I congratulate all my team members for their constant efforts in launching this magazine. We are Very Grateful to our Management and Principal for their Support and Encouragement.

Faculty
Faculty

mala V B.E,M.E
ASSOCIATE PROFESSOR

vijayarangam s B.E,M.E
ASSOCIATE PROFESSOR

samundeeswari M M.E,M.Tech
ASSOCIATE PROFESSOR

N.KALPANA B.E,M.E
ASSOCIATE PROFESSOR

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Faculty

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ASSOCIATE PROFESSOR

GOVINDI E B.E,M.E
ASSOCIATE PROFESSOR

PRAVEENA G B.E,M.E
ASSOCIATE PROFESSOR

SANTHOSH KUMAR C B.E,M.E
ASSOCIATE PROFESSOR

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Faculty

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ASSOCIATE PROFESSOR

ANANDA KUMARI A B.E,M.E

ASSISTANT PROFESSOR

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ASSISTANT PROFESSOR

Swetha S B.E,M.E

ASSISTANT PROFESSOR

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Faculty

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ASSISTANT PROFESSOR

MEGALAI J B.E,M.E

ASSISTANT PROFESSOR

Saravanan U B.E,M.Tech

ASSISTANT PROFESSOR

Ramya G B.E,M.E

ASSISTANT PROFESSOR

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Faculty

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ASSISTANT PROFESSOR

Pachiyappan G B.E,M.E

ASSISTANT PROFESSOR

krishnamorthy M B.E,M.Tech

ASSISTANT PROFESSOR

Sathiya P B.E,M.E

ASSISTANT PROFESSOR

Elavarasi K B.Tech,M.Tech

ASSISTANT PROFESSOR

COMPUTER ENGINEERING

TOPPER'S

University Toppers

M.E(CSE)

Vinodhini K

29th Rank

Aarthisowmiya A

42nd Rank

Lavanya M

50th Rank

Final year Students..

Srinidhi R
8.5 CGPA

Sudharshini V
8.2CGPA

Priyadarshini S
7.4CGPA

Third year Students..

Third year Students..

Tamilarasi M
8.2 CGPA

Keerthane E
7.5 CGPA

Ramya V
7.6 CGPA

Second year Students..

M.NAIZYA TABASSUM
7.4 CGPA

PRAMOTHITHA A.S
7.4 CGPA

Gayathri S
7.2 CGPA

CSE INFOZINE 2017

Computer Science and Engineering

Technical Articles

Cool Technologies You Can Thank the iPhone

Multi-touch screens

The iPhone's most obvious contribution was to ditch the physical keyboard.

Prior to 2007, phones fell into two main camps: feature phones with a numeric keypad or "smartphones" like the Blackberry with a full QWERTY keyboard. The latter sometimes came with a touchscreen but they required a stylus to operate and weren't really suitable for typing.

The iPhone instead featured a 3.5-inch (9 centimeters) LCD screen with multi-touch technology. Not only did this get rid of the stylus in favor of what Jobs said was the ultimate pointing device — our finger — it enabled "smart" functions like pinch-to-zoom and physics-based interaction that presented on-screen elements as real objects with weight, size and intuitive responses.

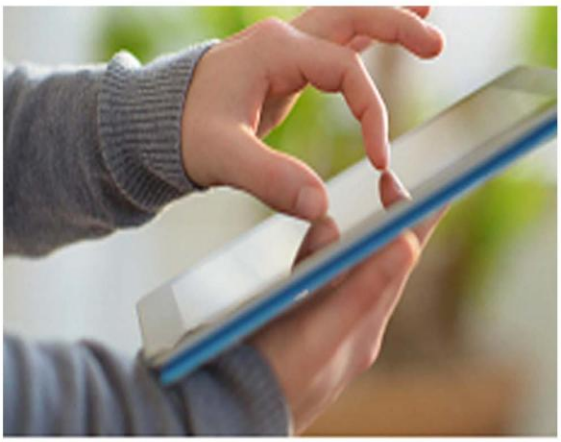
More importantly, it allowed the screen to cover the entire face of the phone, which was the basis of many of the devices' other innovations.

iPhone Turns 10

Ten years ago, the original iPhone hit stores in the U.S. for the first time and revolutionized how companies designed and built cellphones.

When then-Apple CEO Steve Jobs took the stage at the Macworld Conference & Expo in January 2007, he announced that the company would be releasing a wide-screen iPod with touch controls, a next-generation mobile phone and a breakthrough internet device.

It turned out he wasn't launching three devices, but one. Now, a decade later, here are some of the technologies that the original iPhone and its successors have made must-haves for all modern smartphones.



Fingerprint scanners

As with many of the things Apple has popularized in smartphones, the company wasn't the first to integrate a fingerprint scanner in its devices.

But with the introduction of Touch ID in the iPhone 5S, it overcame issues with cost, size, reliability and security that had held back the technology.

The innovative tech also introduced compelling uses for the devices, such as using it to unlock the phone or to make payments.

It wasn't long before competitors started to follow suit with their high-end devices.

Gorilla Glass

Making the screen such a prominent and integral aspect of the smartphone did have one obvious downside that most users experienced at some point: the smashed screen.

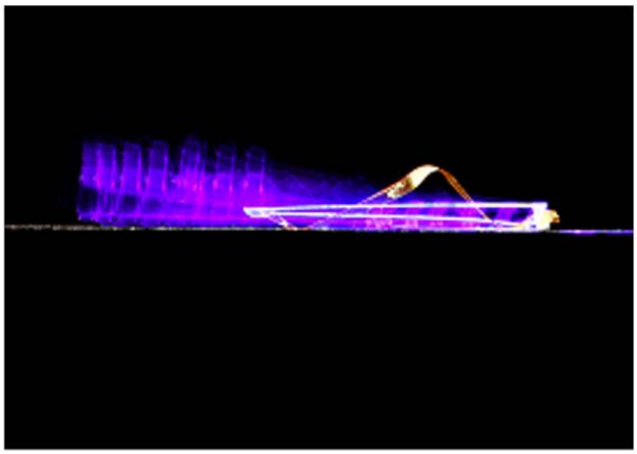
Apple foresaw this flaw and did their best to mitigate it by tapping the expertise of Corning. This leading American glass and ceramics company had been experimenting with toughened glasses aimed at consumer electronics since 2005, but when Apple asked them to provide a thin, toughened glass for their iPhone screens, Gorilla Glass was born. The crack- and scratch-resistant glass is now the gold standard for mobile devices.

By Nagaraj

Light Makes New Material Creep Like a Caterpillar

it's aliiiiiiive! Well, maybe not. But when activated by light, a new type of polymer — a material made of long chains of molecules — can inch along just like a caterpillar.

Scientists developed the light-sensitive substance and coaxed a small strip of it to "walk" by exposing it to a fixed light source



Then, as the polymer strip deformed, the shadows it threw over itself created a feedback loop in the wave — contracting and expanding repeatedly, as the light intensity changed — which made the polymer "walk," the study authors reported.

To further test their tiny walker, the researchers placed sand grains on the material, which it successfully transported through its wavelike movements — and it was able to do this over and over again, the scientists wrote.

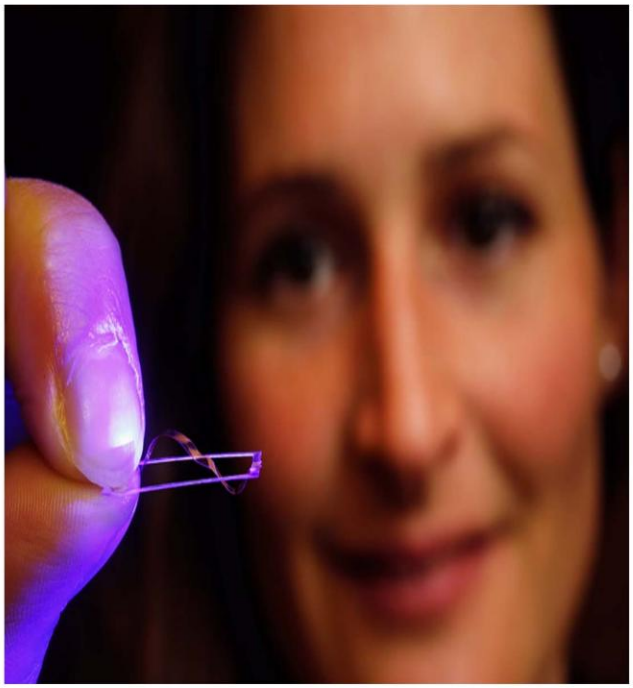
The spotlight made one side of the paper-clip-sized material contract while the other side expanded, producing an undulating movement that carried it forward, the researchers reported in a recent study.

The secret to this groundbreaking light-activated locomotion lies in the liquid crystal network (LCN) in the polymer. LCNs are known for their ability to deform materials when exposed to light, but prior studies had only examined their ability to warp materials, not move them forward or backward, the scientists wrote in the study.

To determine whether bending could become walking, researchers tweaked chemical components in their polymer's LCN to make it relax more quickly after contracting, which would translate into a smoother, more wavelike motion in the polymer

Then, as the polymer strip deformed, the shadows it threw over itself created a feedback loop in the wave — contracting and expanding repeatedly, as the light intensity changed — which made the polymer "walk," the study authors reported.

To further test their tiny walker, the researchers placed sand grains on the material, which it successfully transported through its wavelike movements — and it was able to do this over and over again, the scientists wrote.



"So as long as the terrain is not too steep — so that light can always reach the material under an angle — it will keep going. Therefore, we expect the device to perform well on bumpy surfaces," she said.

SThe movement isn't very fast — only about 0.2 inches (0.5 centimeters) per second, according to the study. But the versatility of this material could enable it to apply light-driven locomotion toward a variety of tasks, such as cleaning delicate solar cells or carrying small loads through hard-to-access places,

by
Yuvaraj

CSE INFOZINE 2017

Computer Science and Engineering

English Poem

Purpose of Life

I might not be famous,
I might not be great,
I might not have the highest score,
In all those subjects or chores.
But this is not what I want to be,
And this is not what I want you to see.
I want
To be able to lend a hand,
To someone in a lot of painTell
him that I'm there,
And tell him that I really care.
To be able to lend an ear,
To someone who thinks, no one wants to
hearTell
him that I want to listen,
So that his sorrows we may share.

l.Santhosh Kumar
IV Year -CSE

Golden Days of Life

Stepping into a new life,
Where fun and frolic would be
rife.
Determined to find oneself,
With, of course, a little help.
For some, it is a race,
With lots of dreams to chase.
For the rest, it is a maze,
Hard to tie even a shoe lace!
I didn't expect these to be the
best days,
But indeed, they were like dazzling
rays!
Three years, filled with love, fun
and laughter to share!
Strangers became friends, some
stayed to become family!
While some went back to
strangers, and moved on happily

K.Yuvaraj
III Year -CSE

The Time

The time to speak up, the time to dare
The time to come out of a cage
Now is the time to hunt,the time to set shattered heart
The time to conquer the spirit back
The time to steal eternal life
The time to suppress venomous memories
The time to say goodbye to
what had eaten you within,
to what had destroyed your peace
to what had shattered your hope
Finally the time has come ,to show your world up high
to roar like a lioness
to invade the soul
to conquer the spirit
The time has come ...my dear friends
to forget the person who left you with scars.
To live a better life of your own.
Stop gloating when their hands are around your throat or
awaiting the next beating or threaten to kill.

M.Gouthaman
II Year -CSE

Computer Science and Engineering

Visual Art

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k. Gowtham
III Year CSE

E.Keerthana
III Year CSE

final year