

## EVENTS

### GUEST LECTURE

Mr. Vignesh Suriya, Associate, Cognizant Technology Solutions, Coimbatore delivered a guest lecture on **"Emerging Trends in Software Engineering"** on 09.09.2016.



Dr. Praveen Jayachandran, Researcher, IBM Research India, Bangalore delivered a guest lecture on **"Linux Containers: The Next Generation Cloud Technology"** on 12.02.2016



One day workshop on “**How to Crack TANCET MCA**” on 19.03.2016



Mr.P.Sukumar, Partner Manager, Oracle India Pvt. Ltd, Chennai delivered a guest lecture on “**Oracle Workforce Development Program – An overview**” on 01.04.2016



Infosys Connect Program on 29.08.2016 at **Infosys Ltd**, Bangalore



## Students

**University Rank Holders: Batch (2012 – 2015)**



**S.Geetha**  
21<sup>st</sup> Rank



**P.Manochitra**  
29<sup>th</sup> Rank



**L. Soniya**  
36<sup>th</sup> Rank



**K.Kavitha**  
37<sup>th</sup> Rank



**M. Gayatri**  
37<sup>th</sup> Rank

**Students Accomplishments**

<b>Name of the Student</b>	<b>Nature of the Event</b>	<b>Organizer</b>	<b>Date</b>	<b>Prize won</b>
<b>Lakshmipriya C</b> III MCA	Vigilance Awareness Program – Elocution Competition	Indian Bank	28/10/2015	I - (Cash Prize Rs.2000)
<b>Joshu Finney J</b> II MCA				III - (Cash Prize Rs.1000)
<b>Jinu P C</b> III MCA	Workshop on Android Application Development	PSG College of Technology	08/08/2015 & 09/08/2015	-
<b>Kavitha Y R</b> II MCA	3rd International Conference on Computer Applications and Information Technology	Hindusthan College of Arts and Science	11/03/2016	Paper Presented
<b>Sajitha S</b> II MCA				
<b>Joshua Finney J</b> II MCA	4th National Conference on Big-Data Analytics (NCBDA '16)	Kumaraguru College of Technology	31/03/2016	Paper Presented
<b>Rojan Roy</b> II MCA				
<b>Santhosh Kumar S</b> II MCA				



Placement



**G. Gayathri**  
Wipro Limited, Bangalore



**M. Sanjana**  
Wipro Limited, Bangalore



**P. C. Jinu**  
KG Financial Software Pvt  
Ltd. Coimbatore



**V. Parthasarathi**  
Velan Info Services Pvt. Ltd,  
Coimbatore



**M. Prabu**  
Nichehands Technologies Pvt Ltd, Bangalore  
Hinduja Global Solutions International Services  
Pvt.



**S. Suganya**  
Hinduja Global Solutions  
International Services Pvt.



**P. Karthi**  
Nichehands Technologies Pvt  
Ltd, Bangalore



**V. Manjula**  
Nichehands Technologies Pvt  
Ltd, Bangalore



**M. Ragavi**  
Nichehands Technologies Pvt  
Ltd, Bangalore



**R. Ranjitha**  
Nichehands Technologies Pvt  
Ltd, Bangalore



**S. Yasothyini**  
Nichehands Technologies Pvt  
Ltd, Bangalore

**Faculty**

**PAPERS PUBLISHED IN INTERNATIONAL & NATIONAL CONFERENCES**

**Dr. F. Mary Magdalene Jane**, Professor & Director has published a paper entitled "Effective Route Planning in Road Networks using Multi constraint Routing Algorithm" in **IEEE International Conference on Current Trends in Advanced Computing (ICCTAC)** at Kristu Jayanti College, Bangalore on 10.03.2016

**Dr. F. Mary Magdalene Jane**, Professor & Director has presented a paper entitled "Predictive Analysis in Agriculture to improve the crop Productive using Zero R Algorithm" in **International Conference on Green, Intelligent computing and Communication Systems (ICGICCS '16)** on 11.03.2016

**Ms. C. Karpagam**, Assistant Professor has published a paper entitled "A Study on Mobile LBS based on user Preferences" in **3<sup>rd</sup> International Conference on Computer Applications and Information Technology** at Hindusthan College of Arts and Science, Coimbatore on 11.03.2016

**Mr. K. Sathiesh Kumar**, Assistant Professor has published a paper entitled "Optical Character Recognition Engines: A Study" in **4<sup>th</sup> National Conference on Big-Data Analytics (NCBDA '16)** at Kumaraguru College of Technology, Coimbatore on 31.03.2016

**GUEST LECTURES DELIVERED**

Dr. F. Mary Magdalene Jane, "**Spatial Data Management**" at PKR Arts & Science College, Gobichettipalayam on 23.09.2015

Mr. K. Sathiesh Kumar, "**Assembly Language Program in 8086**", at Dr.N.G.P. Arts and Science College on 25.09.2015

**FUNDS AND GRANTS RECEIVED**

Co-ordinator/Investigator	Project Title	Funding Agency	Amount
<b>Dr.F.Mary Magdalene Jane Prof. &amp; Director</b>	ACM Eminent Speaker Program	ACM India Council, Bangalore	Rs.6,800/-

### TRAINING – ATTENDED

- Dr.T.Logeswari, Asso. Prof., attended two days Regional Conference on **Collaborative Research and Funding Opportunities for Engineering Institutions** on 19<sup>th</sup> Jun and 20<sup>th</sup> Jun 2015 at Dr.N.G.P.Institute of Technology, Coimbatore.
- Ms.S.Shenbaga Priya, Asst. Prof., attended two days Regional Conference on **Collaborative Research and Funding Opportunities for Engineering Institutions** on 19<sup>th</sup> Jun and 20<sup>th</sup> Jun 2015 at Dr.N.G.P.Institute of Technology, Coimbatore.
- Ms.C.Karpagam, Asst. Prof., attended five days Faculty Development Programme on **Mobile Application Development** from 24<sup>th</sup> to 28<sup>th</sup> Aug 2015 at Akshaya College of Engineering and Technology, Coimbatore.
- Ms.M.Poongodi, Asst. Prof., attended five days Faculty Development Programme on **Mobile Application Development** from 24<sup>th</sup> to 28<sup>th</sup> Aug 2015 at Akshaya College of Engineering and Technology, Coimbatore.
- Ms.S.Shenbaga Priya, Asst. Prof., attended Faculty Development Programme on **IBM Blue Mix** on 29<sup>th</sup> Dec and 30<sup>th</sup> Dec 2015 at PSG College of Arts and Science, Coimbatore.
- Mr.K.Sathiesh Kumar, Asst. Prof., attended Faculty Development Programme on **Introduction to PHP** on 5<sup>th</sup> Jan and 6<sup>th</sup> Jan 2016 at Nehru Institute of Technology, Coimbatore.

*Articles*

**NEW INVENTIONS IN IT FIELD 2016**

**BLACKPHONE (A PHONE THAT PROTECTS OUR DATA)**



Blackphone

Over the past year, people have learned the hard way that cellular networks aren't all that secure. As data vulnerabilities become a greater concern, people will demand better protection. The hypersecure Blackphone ensures that all communications remain private when being transmitted to and from the device. The phone runs on privatOS, a custom version of Android. In conjunction with an app suite, it can encrypt calls and texts – as well as enable private Web browsing and cloud storage. Messages and calls have unique encryption keys, so only the sender and recipient can decode each one.

**GADGETS**

**KYOCERA SAPPHIRE SHIELD (UNBREAKABLE DISPLAY)**

A cracked screen is the curse of technologically dependent lifestyle. A recent survey found that indignity. This year,

Kyocera debuted a display that's virtually indestructible. The Sapphire Shield is made from lab synthesized sapphire, one of the hardest materials on Earth. The screen can survive a fall from twice the height that regular glass.



Kyocera Sapphire Shield

**LG DISPLAY FLEXIBLE OLED (THE FIRST ROLLABLE SCREEN)**

Users have lived with the promise of truly flexible displays, the nuances of materials design kept it from becoming reality. Earlier the LG is introduced the first large size mass-producible flexible OLED display. It's using the hard plastic on the back-plane panel, the 18-inch high resolution screen can roll into a one –inch wide tube.



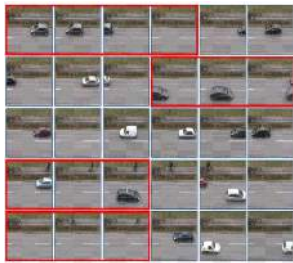
LG Display Flexible OLED



## SECURITY

### CARNEGIE MELLON UNIVERSITY LIVELIGHT (AUTOMATIC VIDEO EDITING)

Sifting through hours of security-cam footage is tedious and can fritter away valuable time during an investigation. LiveLight quickly edits out snoozy stretches to create an action-packed highlights reel. The algorithm builds a library of dull scenes, helping it learn to flag novel events, such as car accidents.



Carnegie Mellon University LiveLight

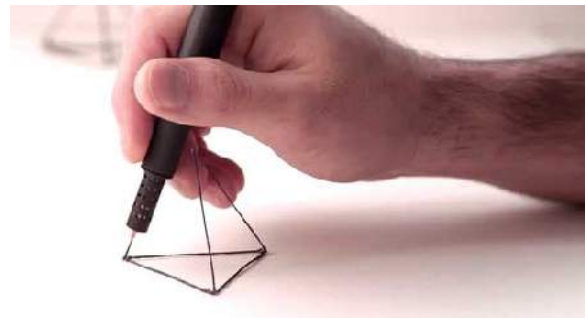
LiveLights is an automated system for summarizing unedited video and was developed by researchers in Carnegie Mellon University's Machine Learning Department. Without human supervision, LiveLights automatically scans through the video stream, removing repetitive and uninteresting contents. The result is a compilation of the most salient and informative portions of the video.

**Ranjitha R  
III – MCA**

## 3D Printing Pen

Lix is the first 3D printing pen that actually looks, feels and works like a pen, says Christian Harries. The Lix 3D printing pen is powered using a supplied 49 in (125 cm) cable that plugs into any USB port that happens to be nearby. The device is fashioned from aluminum, and is 6.45 in (164 mm) long with a diameter of 0.55 in (14 mm). Straight ABS/PLA plastic rods of 0.068 in (1.75 mm) diameter and 10 in (30 cm) long are fed into the top of the pen, near the power port. It then makes its way through to a heated nozzle at the other end (the temperature of which can reach up to 190°C/374°F). Flow is controlled by buttons on the lower part of the housing, and each filament should last a couple of minutes.

When launched into the consumer space, the Lix 3D printing pen will be available for an estimated street price of US\$140. The three-person development team of Delphine Eloise Wood, Anton Suvorov and Ismail Baran is also releasing a ballpoint version for about \$60.



The Lix actually feels like a pen in use with its small size (it claims to be the world's smallest) and ability to draw power from a USB port, this makes the Lix a must-have companion for any 3D designer's toolbox. Much in the same way the 3Doodler works, Lix requires a spool of plastic to be fed in to it which gets heated up in to an extrudable form then rapidly cooled down to make it stable enough to stand on its own.

3D printers still have their place in the industry of course, as no hand is as accurate or as fast as a machine. But these portable 3D printing pen-like devices give people the power to draw their ideas in 3D and actually interact with them for a fraction of the cost.

**Santhosh Kumar S  
II MCA**

**Ring lets you wiggle your finger to do stuff on your phone and home (hands-on)**

Ring: a plastic Bluetooth ring that lets you turn on lights, or other things. Waggle your finger in the air, turn off the lights. Squiggle a shape, tweet a photo. If you've ever fantasized about controlling your life with your magic finger, the Ring is here. Actually, the Ring already arrived back in October, off a Kickstarter campaign. That metal version is sold out, but a new and improved black plastic model is coming this March.

The Ring works via an app that allows up to 23 gestures and assigns them to tasks on mobile phone. An upcoming hub will also interface with home appliances and devices over infrared, and Logbar already claims that the Ring can work via WeMo in smart-home setups.



The Ring comes in a variety of sizes, and has motion sensors inside plus a small button, like an air mouse. There have been a lot of rings like these popping up on crowd funding sites.

**Santhosh Kumar S  
II MCA**