DEPARTMENT OF
ELECTRONICS & COMPUTER ENGINEERING
NEWSLETTER

Green Fields, Vaddeswaram, Guntur Dist., A. P., 522 502.

C o n t e n t s

Editorial Message

Dear readers, this newsletter covering the period from October 2015 to December 2015 offers a view of the academic, professional, research and center for extension activities of the Department.

The technical fest of the Department Thrusang-15 was organized with great fervor on the 8th and 9th October, 2015. The National level Technical Fest over saw 15 events like Paper presentations, Poster Presentations, workshops, gaming and contests in Innovative Computer Programming etc.

Renowned companies like IGATE , Amazon , Entransys and LeeApp conducted recruitment drive in the campus and Selected many students to onboard this year.

The editorial team thanks all its patrons for their support of the newsletter. We welcome suggestions from all our readers who wish to see their ideas incorporated in the subsequent issues.

Placements:

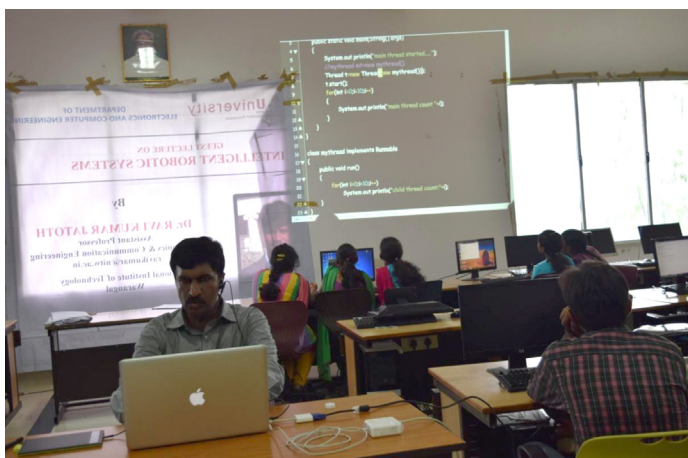| S.No.	Date of Interview	Name of the Company	No. of students attended	No. of students qualified in written	No. of students selecteed
01.	14.10.2015	IGate	90	25	21
02.	27.10.2015	Tech Mahindra	72	5	5
03.	28.10.2015	Riktam	92	5	0
04.	02.11.2015	MindTree	17	8	1
05.	04.11.2015	FSS	39	17	2
06.	14.11.2015	Entransys	18	3	2
07.	07.12.2015	Amazon	80	32	1
08.	10.12.2015	ADP Ltd.,	66	5	0
09.	14.12.2015	Mphasis	62	0	0
10.	23.12.2015	LeeApp	65	10	2

A National Level Technical Fest
THRUSANG-15

A two day National Level Technical Fest was organized by the students of Electronics and Computer engineering Department under the roof of a noteworthy student association called ESSENCE on 8th and 9th of October 2015.
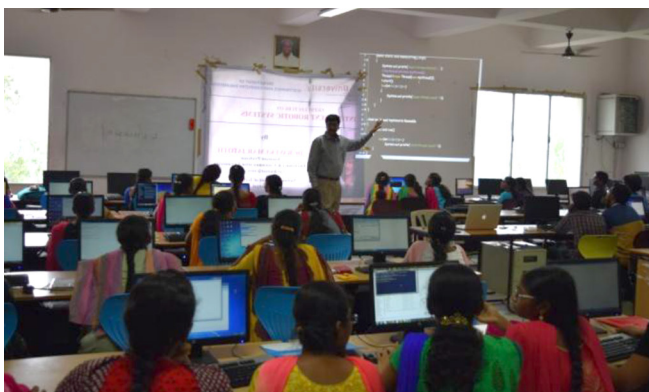
Andriod App Development

A major share of hand-held devices runs on the Android Operating System - which is open source and customizable. The Android Application Development Workshop provided participants technical training

Mr. Krishna Rao (C.E.O), Infopark Software Solutions demonstrating Android apps

on the concepts and programming methodologies needed to develop applications for mobile devices. Android powers hundreds of millions of mobile devices for apps, games, and other digital content. Android gives the world-class platform for creating apps and games for Android users everywhere, as well as an open marketplace for distributing to them instantly. Participants learned to use different android libraries. Instruction is aided with live projects which allowed students to grasp concepts of the complete mobile application development life-cycle. The following topics were discussed in the workshop:

1. Understanding the Basic of Android OS
2. The Framework
3. Building Blocks of Android
4. Application Lifecycle
5. Installation of Android Development
6. Configuration of Android Development Environment
7. Java Classes and Objects, Class Methods and Instances, Basic Program of Java

Students participation in the workshop

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Ethical Hacking With Cyber Security

An Ethical Hacker is usually employed with the organization and can be trusted to undertake an attempt to penetrate networks and/or computer systems using the same methods as a Hacker. The goal of the ethical hacker is to help the organization take pre-emptive measures against malicious attacks by attacking the system himself; all the while staying within legal limits. In order to become an Ethical Hacker or Security Expert one must think out of the box with the mentality that in order to catch a thief. This workshop is specifically designed to provide the right knowledge to the aspiring Hacking and Cyber Security enthusiasts.

Hacking is not about the illegal things. it's all about how to secure your system. The two days workshop aimed at imparting the basic knowledge of hacking and how to protect a computer system against hazardous effects. Students are made to learn how intruders escalate privileges and what steps can be taken to secure a system along with DDoS Attacks and Virus Creation The following topics were covered through the workshop:

1.Introduction to Ethical Hacking, Ethics & Legality.
2.Fundamentals of Computer Networks & Network base Attacks.

3.Concept of Cryptography and SQL injection with hands on.

4.Google Hacking and Email Hacking, Windows Hacking and Security with Hands on.

Mr. Siva Ram(R&D Engineer-eSF Labs Ltd) addressing the gathering

Students participation in the workshop

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Industry Automobile and Integration

The main objective of this two day Workshop is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of the

Mr. Venkata Ramana (M.D-Tantra Automation) addressing the gathering

Industrial Automation & latest technologies being used to achieve industrial automation. The workshop made the students to know the basic fundamentals of automation and provided a platform to have hands on experience with SCADA.

Modern real-world and large-scale industrial systems engineering projects involve the cooperation of a wide range of engineering systems and tools that use different technical platforms and heterogeneous data models. The workshop focused on methods and techniques for the automation support of automation systems engineering processes in various fields like robotics, medical and assistive technology, human-machine interaction, unmanned vehicles, manufacturing, and education.

The following topics were discussed in the workshop:

1. Designs, Exercises, on simulation tool.

2. Introduction Mechanics-Industrial automation with Machines of Hydraulic & Pneumatic controls, Pumping systems, Robotics designs , Industrial advancements.

3. Brief introduction about SCADA and exercises on SCADA.

Students participation in the workshop

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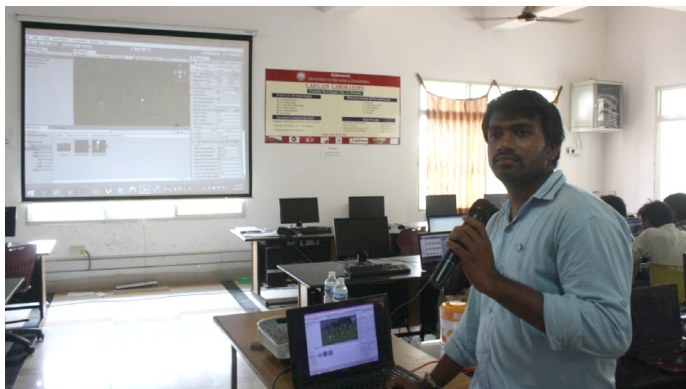
Game Development through Unity

The Game Development Workshop imparted participants with the knowledge of the tools and

Mr.Nagarjun(R&D Engineer,Inspire Software Solutions)demonstrating Game development

techniques needed for design and development of games .Unity is a cross-platform game engine developed by Unity Technologies and used to develop video games for PC, consoles, mobile devices and websites. Unity is a flexible and powerful development platform for creating multi-platform 3D and 2D games and interactive experiences. It's a complete ecosystem for anyone who aims to build a business on creating high-end content and connecting to their most loyal and enthusiastic players and customers.
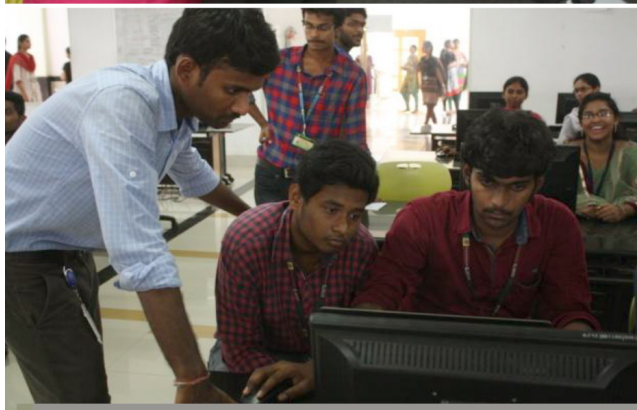
The two-day workshop explored the day-to-day craft of game design through hands-on activities, group discussion, analysis, and critique.

The following topics were learned by the students through this workshop.

1. Introduction to gaming software.

2. Brief explanation and Working with unity.

3. Working with animations, animators, physics etc.

4. Working with gaming controls and creation of Game.

Students participation in the workshop

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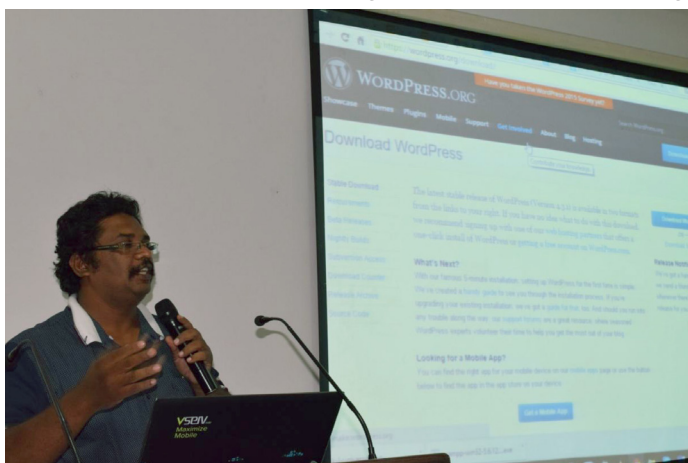
Web Development through Wordpress

The two day workshop is intended to provide participants with a detailed introduction of Wordpress and other different CMS along with Database Handling

Mr.Srikanth(R&D Engineer-Sriyam Software Solutions)demonstrating wordpress

,Theme integration and Basic Plugging Handling. This workshop aimed at making the students gain practical knowledge required for website designing using Wordpress.

WordPress theme development involves using HTML, CSS, PHP and JavaScript to build dynamic WordPress sites. The two day workshop focused on basic html/css, java script prototype and walk through all of the steps for converting it into a full WordPress theme.

The Students are made aware of responsive navigation, page and blog templates, custom post types and even widget areas. The following topics were covered through the workshop:

1. Understand the capabilities of Wordpress as a blogging platform and CMS.
2. Learn basic HTML and CSS
3. Develop a custom website from scratch
4. Learn how to customize navigation
5. Understand how to leverage the Wordpress plug-in library
6. Creation of templates and blog.

Students participation in the workshop

Faculty Publications:

1. Dr. JKR Sastry published a paper entitled "Optiminzing Communication between Heterogenous Distributed Embedded Systems Using can Protocol" in ARPN-JEAS Issn No. 1819-6608 Vol. No. 10 Issue No. 18 in scopus october 2015.

2. Dr. K. Raghava Rao published a paper entitled "A Report on Reducing Dimensions for Big Data Using Kernel Methods" in JATIT ISSN No. 1992-8645 Vol. No. 80, Issue No. 2, in scopus october 2015.

3. Dr. K. Raghava Rao published a paper entitled "Development of RL Algorithm for Localization in Wireless Sensor Networks" in Procedia Computer science ISSN No. 1877-0509 Vol. No. 1, Issue No. 1 in Scopus October 2015.

4. Dr. JKR Sastry published a paper entitled "Networking Heteregenous Microcontroller based Systems through Universal Serial Bus" in IJECE ISSN No. 2088-8708, Vol. No. 5, Issue No. 5, in scopus october 2015.

5. Dr. JKR Sastry published a paper entitled "Optimizing Communication Between Heterogeneous Distributed Embedded Systems Using can Protocol", in ARPN Journal of Engineering and Applied Sciences ISSN No. 1819-6608, Vol. No. 1, Issue No. 1 in Scopus October 2015.

6. Dr. JKR Sastry published a paper entitled "Design of Transmitter for Rayleigh Faded Channel for Data Transmission" in IJAER ISSN No. 0973-4562 vol. No. 1, Issue No. 1 in scopus October 2015.

7. Dr. K. Raghava Rao published a paper entitled "Implementation of a Sensor Web Service for Environmental Pollution Monitoring Using Wireless Sensor Networks" in IJAER ISSN No. 0973-4562, Vol. No. 1, Issue No. 1 in scopus October 2015.

8. Dr. K. Raghava Rao published a paper entitled "A Big Data Approach for Health Care Application Development" in IJAER ISSN No. 0973-4562 Vol. No. 1, Issue No. 1, in scopus October 2015.

9. Dr. K. Raghava Rao published a paper entitled "Real time Domestic Power Consumption Monitoring Using WSN" in IJAER ISSN No. 0973-4562, Vol. No. 1, Issue No. 1, in Scopus October 2015.

10. Dr. MD. Ali Hussain published a paper entitled "An Implementation of Optimal ID3 Based Decision Tree Algorithm" in IJAER ISSN No. 0973-4562, Vol. No. 1, Issue No. 1, in scopus October 2015.

11. Dr. JVN Ramesh published a paper entitled "An Effective Self-test Scheduling for Realtime Processor Based System" in International Journal of Smart Home ISSN No. Vol. No. 1, Issue No. 1, in scopus October 2015.

12. Dr. JVN Ramesh published a paper entitled "Automated Traffic Control System for Emergency Services", in IJAER ISSN No. 0973-4562, Vol. No. 1, Issue No. 1, in scopus October 2015.

13. Dr. D. B. K. Kamesh published a paper entitled "A Study on Big Data and Its Importance" in IJAER Issn No. 0973-4562, Vol. No. 1, Issue No. 1, in scopus October 2015.

14. N. V. K. Ramesh published a paper entitled "Analysis of Path Loss Models for 3G mobile Signals in urban, Suburban and Rural Environments" in IJAER Issn No. 0973-4562, Vol. No. 1, Issue No. 1, in Scopus October 2015.

15. Dr. K. Srinivasa Ravi published a paper entitled "Networking Hheteregenous Micro Controller Based Systems through Universal Serial Bus" in IJEATS ISSN No. 2320-0804, Vol. No. 4, Issue No. 11, November 2015.

16. Dr. MD. Ali Hussain published a paper entitled "Performance of Security Analyis for Image Encryption Using Key Image" in indjst ISSN No. 0974-6846, Vol. No. 8, Issue No. 35, in scopus December 2015.

17. NVK Ramesh published a paper entitled "Comparative Analysis of Path Loss Attenuation at Outdoor for 1.8ghz, 2.1ghz in urban environment", in JATIT ISSN No. 1992-8645, Vol. No. 82, Issue No. 1, in Scopus December 2015.

Faculty Conferences:

1. Dr. D. Aruna Kumari presented a paper entitled "Secure Extraction of Patient Data from Bio Medical Database", in National Conference, CSI-Dgital Life in December 2015.

2. Dr. T. Anuradha presented a paper entitled "Parallel Mining of Frequent Itemsets from Memory Mapped Files" in National Conference, CSI-Dgital Life in December 2015.

Faculty Achievements:

Dr. J. K. R. Sastry, Professor, Department of ECM received "Award for Teaching Excellence" by The Indus Foundation at "Indo Global Education Summit -2015" held at Hyderabad during 14th & 15th November 2015.

Student Achievements:

Miss P. SPANDANA of IV/IV B.Tech received "Award for Academic Excellence" by The Indus Foundation at "Indo Global Education Summit -2015" held at Hyderabad during 14th & 15th November 2015.

Outreach by Faculty

- **Dr. Md. Ali Hussain** Delivered a Guest Lecture on "Routing Protocols & Security Issues" at PG center ,PB Siddhartha College, Vijayawada on 13th October 2015.

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Thank You

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With Best Complements Form

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