



TECH - SAVVY

Jun-Aug, 2014

THE NEWS LETTER

Department of Computer Science & Engineering

The Department of Computer Science & Engineering was established in the year 2001. It has intake capacity of 120 students. All the laboratories are well established with state of the art equipment. The department has highly qualified and experienced faculty and technical staff. An innovative teaching and learning process is implemented in imparting quality education to the students which includes conduct of workshops, seminars, industrial tours, expert lectures and various extracurricular activities.



PROF. (DR.) N. SUBHASH CHANDRA

Principal

To my mind an Educational Institute is not just about four walls with bricks, mortar and concrete, but about building characters, enriching minds and developing confidence towards above motivation. Every effort is pursued to identify the functional gaps between Holy Mary Institute of Technology & Science and the Premier Institutions of the country like IITs and NITs so as to narrow the caps as soon as possible.



PROF. G. Charles BABU

HOD-CSE

It gives me immense pleasure to lead the department of Computer Science & Engineering. The aim of the department is to provide high quality education along with training the students with all the new advancements in the computers field. I congratulate the team of faculty members and the students for their brilliant and original efforts. I wish all the students and faculty a great academic career.

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From the Editorial Board

Technology refers to the use of tools, machines, materials, techniques and sources of power to make work easier and more productive. While science is concerned with understanding how and why things happen, technology deals with making things happen. Development is closely related with technology. The stage of development the human being has arrived could have been possible without the advancement in technology. The radical change and advancement in the economy, as we observe today, is the result of the modern technology. Technology has brought about efficiency and quality in the manufacturing sector. Technological advancement has reduced the risk involved in manufacturing enterprises. There has been tremendous improvement in the field of health the world over not only the average age of people has increased but the mortality rate has also declined considerably. This could be possible only because of technological advancement in health sector. There is perhaps no field of human life which has not been affected by technology. Agriculture, industry, profession, health, education, art, political processes, recreation, religious activities and daily life activities all are under the influence of technology .But, it is important to keep in mind that technological advancement has affected human life both positively as Well as negatively. Not only that life has become easy and comfortable, there are also indications of several threats to life and society in the future due to use/misuse of modern technology. The nature and extent of development the human society has experienced by now is heading towards crises in future. The sustainability of development is in question today. This has happened only due to irrational use of technology.

Department of Computer Science & Engineering

Workshop on PHP



Workshop was conducted on **PHP** for the following topics

- i. PHP Basic concepts variables and functions
- ii. File handling in PHP

For the final year students. The resource person

Mr. Rajendra Prasad, Verizon discussed about the PHP basic concepts with the students

PHP is a general-purpose scripting language that is especially suited to server-side web development, in which case PHP generally runs on a web server. Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content or dynamic images used on websites or elsewhere.



Workshop on Human values & Professional Ethics

At birth, we experience our first relationship with our mother and as we grow up we will have a whole web of relationships. In human life, relationships are very important for human survival and development. A beautiful union exists between 3 relationships: a relationship with others, a relationship with oneself and a relationship with God, our father. It is clear, God created us to live in relationship with others, so why not make the best of it. When a relationship is loving and intimate we experience God through these relationships. In conclusion, relationships are very important. Without human relationships a person can't go through life.



Human values and professional ethics workshop was conducted for HITS students at seminar hall. The motive of the event is to Understand Harmony in the Human Being Understanding Harmony in the Family and Society-Harmony in Human-Human Relation Ships. The resource person Dr. A. M. R Senapathi, Siva Sivani Management Institute delivered their valuable views towards Human-Relationships

Co-Curricular Activities

Film Making:

Filmmaking (or in an academic context, film production) is the process of making a film. Filmmaking involves a number of discrete stages including an initial story, idea, or commission, through screenwriting, casting, shooting, sound recording and reproduction, editing, and screening the finished product before an audience that may result in a film release and exhibition. Filmmaking takes place in many places around the world in a range of economic, social, and political contexts, and using a variety of technologies and cinematic techniques. Typically, it involves a large number of people, and can take from a few months to several years to complete

Film production consists of five major stages:

- **Development:** The first stage in which the ideas for the film are created, rights to books/plays are bought etc., and the screenplay is written. Financing for the project has to be sought and greenlit.
- **Pre-production:** Preparations are made for the shoot, in which cast and film crew are hired, locations are selected, and sets are built.
- **Production:** The raw elements for the film are recorded during the film shoot.
- **Post-production:** The images, sound, and visual effects of the recorded film are edited.
- **Distribution:** The finished film is distributed and screened in cinemas and released to home video



Co-Curricular Activities

Final year students had participated in film making contest, by this try to express their ability in film making.

Poster Presentation:

Poster presentation on “Data Warehousing” was conducted for third year and final year students at seminar hall in Holy Mary Institute of Technology & science, students got participated actively in this event and presented their excellence in poster presentation. Paper presentation on “Ethical hacking” was also been conducted for final year students in HITS campus



Swachh Bharath



Swachh Bharat Abhiyan is also called as the Clean India Mission or Clean India drive or Swachh Bharat Campaign. It is a national level campaign run by the Indian Government to cover all the backward statutory towns to make them clean. This campaign involves the construction of latrines, promoting sanitation programmes in the rural areas, cleaning streets, roads and changing the infrastructure of the country to lead the country ahead. This campaign was officially launched by the Prime Minister, Narendra Modi on 145th birth anniversary of the Mahatma Gandhi on 2nd of October in 2014 at Rajghat, New Delhi.

All department faculty and students participated in Swachh Bharath Mission for cleaning the premises of surrounding of temple in a village near by **Holy Trinity Educational Society** and awakening the village peoples the importance of cleanliness and hygiene.

Plantation of trees



All department faculty and students actively involved in planting the trees in college premises in order to make awareness the how important are trees.

They moderate the effects of sun and wind, and they clean the air by trapping dust, pollen and other pollutants. Planted in the right places around buildings, trees can significantly reduce air-conditioning costs. This means less Freon, an inflammable and odorless chemical emitted from air conditioners. It is considered to have damaging effects to the ozone layer. Trees increase property value. Trees generate jobs and contribute raw materials for buildings, newspapers, books, etc. They are renewable, biodegradable and recyclable.

They provide shelter and food for wildlife such as birds, squirrels and bugs. Trees make people feel good. Workers are more productive when they see trees along their commute routes and from their office windows. Landscapes that include trees help relax us, lower heart rates and reduce stress.

Technical corner



Flipboard is a news aggregation and social network aggregation company based in Palo Alto, California, with offices in New York, Vancouver and Beijing. Its software, also known as Flipboard, was first released in July 2010. It aggregates content from social media, news feeds, photo sharing sites and other websites, presents it in magazine format, and allows users to "flip" through the articles, images and videos being shared. Readers can also save stories into Flipboard magazines. As of March 2016 the company claims there have been 28 million magazines created by users on Flipboard. The service can be accessed via web browser, or by a Flipboard application for Microsoft Windows and macOS, and via mobile apps for iOS, Android and Windows Phone. The application's user interface is designed for intuitive flipping through content. Once the feeds have been set up, the first page seen when the application is opened is a list of the subscribed content. The iPhone and Android versions have a "Cover Stories" section on the first page collating only the most recent, important items from all of the subscriptions. This is meant to be read when the user only has a short period of time for reading.

Logic Puzzles

1. A man has 53 socks in his drawer: 21 identical blue, 15 identical black and 17 identical red. The lights are fused and he is completely in the dark. How many socks must he take out to make 100 per cent certain he has a pair of black socks?

Sol: 40 socks.

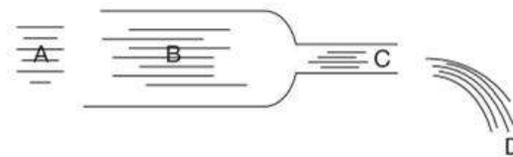
If he takes out 38 socks, although it is very unlikely, it is possible they could all be blue and red. To make 100 percent certain that he also has a pair of black socks he must take out a further two socks.

2. SUNDAY
MONDAY
TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SATURDAY

What day comes three days after the day which comes two days after the day which comes immediately after the day which comes two days after Monday?

Sol: Tuesday.

3. A large volume of water is gushing through a pipe which narrows at the outlet. At which point, A, B, C or D will the water flow fastest?



Ans: C.

Sol.

The water flows fastest at the narrowest point

Vision

To produce technically competent and qualified professionals with cutting edge of research and innovative technology for the benefit of student community in particular and society in large.

Mission

- M1: To be a centre of excellence in Technical and Higher Education
- M2: To be a centre of excellence in Research
- M3: To be a centre of excellence in Support Services

Program Educational Objective

PEO 1:

To prepare the students for entry into successful employment as software engineers in industry, service, consulting and/or government organizations or for advanced study at leading graduate schools in engineering, business, management or other technical or non-technical fields.

PEO 2:

To encourage teamwork skills among the students to design and implement complex software systems, particularly the ability to work with people from other fields in integrated engineering teams and develop the leadership skills for maximizing the performance of those teams.

PEO 3:

To offer a curriculum that encourages students to become broadly educated engineers and to equip with the attitudes and skills to foster learning themselves for life long, an ability to communicate effectively with various audiences and function as responsible member of the global society.

POs AND PSOs of Department**PROGRAMME OUTCOMES**

- (a) An ability to apply knowledge of mathematics, science and engineering.
- (b) An ability to design and conduct experiments, as well as to analyze and interpret data.
- (c) An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health & safety, manufacturability and sustainability.
- (d) An ability to function on multidisciplinary teams.
- (e) An ability to identify, formulates and solve engineering problems.
- (f) An understanding of professional and ethical responsibility.
- (g) An ability to communicate effectively.
- (h) The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
- (i) A recognition of the need for and an ability to engage in life-long learning.
- (j) A knowledge of contemporary issues.
- (k) An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.