



TECH - SAVVY

Sep-Nov, 2017

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. B. DEVNDER

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

Personal development refers to a set of activities that one can engage in for the purpose of enhancing self knowledge and identity. It involves talent and potential development, building of human capital as well as employability, improving the quality of life, and last but not least playing a role towards the realization of aspirations and dreams. The idea of personal development is not only limited to self development, but also entails formal and informal activities meant to develop others, as well. As a person's circle of self awareness expands, not only is he or she consciously aware of a greater portion of him or herself, but also the borders of his or her awareness have enlarged in such a way that, his or her self awareness borders upon a widened area of future discovery and development. The more doors an individual opens, the more he or she realizes there are to be opened.

Listening and attending are by far the most vital aspects of being an effective healthcare professional. Over-talking on the part of healthcare professional is normally considered to be less productive. If people can train themselves to learn on how to really listen to others, then they can be of really much help to the society. Personal development starts at a point of self awareness. In fact, it may as well be the ultimate end. It through the significant impact of personal development that an individual can grow and improve his or her relationships, wealth, happiness, health, and careers. Self awareness is a fundamental factor at the core of this broad and significant pursuit. Widening ones self awareness involves discovering new truths about an individual. Any kind of development whether personal, economic, geological, political or organizational, demands a framework for one to be able to know whether change has in reality occurred.

Department of Computer Science & Engineering

Teacher's Day Celebration



CSE department HOD Honoring principal Dr. N. Shubash Chandra , Principal, HITS

Teacher's Day is a special day dedicated to all teachers, celebrates every year on 5th of September to honor the teachers and appreciate their special contributions towards education.

Teacher's day is celebrated every year on the birth anniversary of a great person Dr. Sarvapalli Radhakrishnan. He was highly dedicated towards the teaching profession. It is said that, once he was approached by some students and requested for celebrating his birthday on 5th of September. And he replied that instead of celebrating it my birthday only, you should celebrated it as a teachers day to pay honour to all teachers for their great works and contributions. Teachers are the real shapers of the future building blocks of the country means they shape up the students life who are ultimately the future of country.



Workshop's Programs

Big Data Analytics



We are very glad that the one day workshop conducted by your team on "**Big Data Analytics**" on 21.09.2017 at **HOLY MARY INSTITUTE OF TECHNOLOGY & SCIENCE (HITS)** was very impressive and highly appreciable. The college whole heartedly congratulate you for the content delivered on this day. Your talks and demos covered **BIG DATA** concepts and our B.Tech(CSE) students were highly inspired

Resource persons team

1. Dr. M. Akkalakshmi
2. Mr. G. Victor Daniel
3. Mr. D. Srinivas Rao

Department of IT , GITAM university , Hyderabad



Java & Microsoft Program



Java & Microsoft program was conducted for the final year and Third year students from 26/9/17 to 5/10/17 held at Lab. The resource person Miss jyothi & sravanthi

Bathukamma

There is saying that life is sweeter when we have a collection of happy moments, college life is a blend of many sweet and sour moments which will add color in a student's life such a moments of happiness was evident in the face of student during the Bathukamma celebration 2016, making their bond of friendship stronger. Bathukamma is a festival that was celebrated on 1st, October, 2016 during navratri



Students participating in Bathukamma festival organized by **HOLY TRINITY EDUCATIONAL SOCIETY.**

Technical Corner

Google Allo-Andriod App.

Introducing Google Allo, a smart messaging app that helps you say more and do more. Express yourself better with stickers, doodles, and HUGE emojis & text. Allo brings you the Google Assistant.

Smart Reply

Respond to messages without typing a single word. Smart Reply learns over time and suggests responses to text and photos, in your style.

Ink

Get creative with the photos you send by doodling on them or adding text.

Stickers

Say it all with the perfect sticker. Stickers in Google Allo are designed by independent artists and studios from around the world.

SHOUT or whisper

No more typing in ALL CAPS to get your point across. Say it louder or quieter by changing the size of your text with a quick swipe

Meet your Google Assistant

Google Allo brings you the Google Assistant. Find restaurants nearby, share videos to watch, and get answers, right in your conversation with friends. Add @google to your group conversation or chat one-on-one with your Assistant. It's your own personal Google, always ready to help.

Incognito mode

Send messages with end-to-end encryption, use private notifications to help keep your chats more discreet, and control how long your messages stick around with expiring chats.



Funny Cracks on Computer Engineers

How a Computer Engineering Student feels

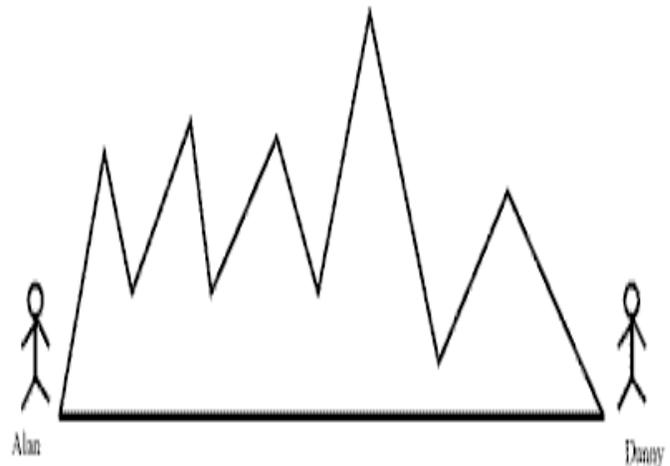


When the PROGRAM Compiles

Alan and Danny are at opposite ends of a mountain range and need to get together to think of more puzzles. They both start exactly at sea level and want to stay at exactly the same height throughout the journey, even if this means sometimes going backwards? Can it be done? A mountain range can be represented by a piece-wise linear Curve In 2 dimensions. See the diagram below.



Level with me Alan and Danny are at opposite ends of a mountain range and need to get together to think of more puzzles. They both start exactly at sea level and want to stay at exactly the same height throughout the journey, even if this means sometimes going backwards? Can it be done? A mountain range can be represented by a peice-wise linear curve in 2 dimensions. See the diagram below



Solution

We form a graph in the following manner. Draw a horizontal line through every peak and through every valley of the mountain range as well as one at ground level. Let be the set of points where these lines intersect the mountain range. The vertices of the graph will consist of pairs of points in that belong to the same horizontal line together with a distinct vertex for each valley and peak. Two vertices are connected by an edge if and only if the climbers can start at the two points given by one vertex and walk separate monotone paths (always ascending/descending) to the two points of the other vertex. Thus peak and valley vertices have degree 1. If a and b are the start positions of the climbers then the vertex (a, b) has degree 1. A simple checking of cases shows that all other vertices are of degree 0, 2, or 4, so the connected component of (a, b) in the graph must contain another vertex of odd degree, namely a peak or a valley vertex.

But a path from (a, b) to a peak or a valley in the graph, is by definition exactly what we are looking for.

Note that there may not be a solution if there are points on the range below sea level.

Mission

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.

Vision

- 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.
- (l) An ability to demonstrate an understanding of programming language concept and knowledge of a variety of programming language paradigms. **(PSPO)**