VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN
(Approved by AICTE, Affiliated to JNTU, Hyderabad)
KONDAPUR VILLAGE, GHATKESAR MANDAL, RANGA REDDY DISTRICT - 501 301.

VMTW INSIGHT

News Letter Volume-7

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

" If something is worth doing once, it's worth building a tool to do it "

" ENGINEERING IS THE ART OF DIRECTING THE GREAT SOURCES OF POWER IN NATURE FOR THE USE AND CONVENIENCE OF MAN "

EDITORIAL DESK

Hello!!! We are happy to welcome you all aboard the fledgling 7th edition for the scintillating year 2017. VMTWINSIGHT is the newsletter of the COMPUTER SCIENCE & ENGINEERING which aims to bring forward the buzz from the department in the past few months. The edition demystifies the realms of Computer science & Engineering and also provides insight to the latest technology adopted in the field. Hope our deeds would ignite everyone's life!!!

VISION

To achieve value oriented and quality education with excellent standards on par with evolving technologies and produce technocrats of global standards with capabilities of facing futuristic challenges.

MISSION

M1: To enrich advanced knowledge among students for reinforcing the domain knowledge and develop capabilities and skills to solve complex engineering problems.

M2: To impart value based professional education for a challenging career in Computer Science and Engineering.

M3: To transform the graduates for contributing to the socio-economic development and welfare of the society through value based education

PROGRAM EDUCATIONAL OBJECTIVES(PEOS):

PEO1: To acquire logical and analytical skills in core areas of Computer Science & Information Technology.

PEO2: To adapt new technologies for the changing needs of IT industry through self-study, graduate work and professional development.

PEO3: To demonstrate professional and ethical attitude, soft skills, team spirit, leadership skills and execute assignments to the perfection.

PROGRAM SPECIFIC OUTCOMES (PSOS):

PSO1: Foundation on Software Development: Analyze, design and develop efficient algorithms and software applications to deploy in secure environment to support contemporary services.

PSO2: Industrial Skills Ability: Develop software - solutions using open source environment to deliver quality products for business success.

PSO3: Ethical and Social Responsibility: Communicate effectively in both verbal and written form, will have knowledge of professional and ethical responsibilities and will show the understanding of impact of engineering solutions on the society and also will be aware of contemporary issues.

WORKSHOPS & SEMINARS ON

A Three day's Workshop on "HTML, PHP, MySQL"concepts was conducted by Mr Sujit Majetty, CEO, Learn Tech Organisation on 17th to 19th September 2017 -

A Three day workshop on "Android Application Development" was conducted by Mr Mahesh on 9th to 11th September 2017 -

A Seminar on " CISCO Networking" was conducted by Online Program by Deliote on 08/08/2017-

A Seminar on "Cloud Computing & Digital Media" was conducted by Mr.M.Venkat, CEO, E nexus Technologies on 23/08/2017

GUEST LECTURES ON

A Guest Lecture on "Non Linear Data Structures" was conducted by Mr. Sampath Kumar Maka, Brain-O-Vision on 21/8/2017 and fill the Gap on Data Structures through C++]

A Guest Lecture on "Event handing in Java". was conducted by Mr. Sampath Kumar Maka, Brain-O-Vision on 07/08/2017 and fill the Gap on OOP through Java

A Guest Lecture on "Pentaho" for Data Mining & Data Warehousing was conducted by Maneesh Dr.P. Gnaneshwar, HOD ,Vignan University on 09/10/17

REASERCH PUBLICATION

Title : "Rule Based Machine translation of Complex Sentences from English to Telugu", International Journal of Research (IJR), Vol.4, Issue 9, Aug- 2016 by K. Deepthi Krishna Yadav.

INDUSTRIAL VISIT

- **INFOSYS**

FACULTY TECHNICAL ARTICLE BY

Title Name: TOOL COMMAND LANGUAGE by A. AMARA JYOTHI

STUDENT TECHNICAL ARTICLE BY

Title Name: FIRE WIRE by P. SHRUTHI

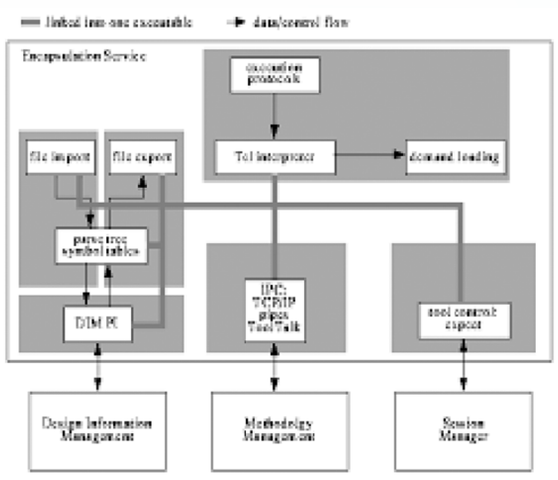
V.I.C.E. CLUB ACTIVITIES

- **Poster Making**
- **Coding - Decoding**
- **Project Presentation**
- **Paper Presentation**

Cont...

Faculty Technical Article : Title - TOOL COMMAND LANGUAGE Written by A. AMARA JYOTHI

Introduction of Tool Command Language :



The Tcl scripting language grew out on design tools for integrated circuits at the University of California at Berkeley in the early 1980's. The notion of embeddability is one of the most unique aspects of Tcl, and it led to the following three overall goals for the language: The language must be extensible : it must be very easy for each application to add its own features to the basic features of the language, and the application-specific features should appear natural, as if they had been designed into the language from the start. The language must be very simple and generic, so that it can work easily with many different applications and so that it doesn't restrict the features that applications can provide. Since most of the interesting functionality will come from the application, the primary purpose of the language is to integrate or "glue together" the extensions. Thus the language must have good facilities for integration. The conclusion that to reduce the resource requirements by building large systems out of reusable components. If most of the complexity of a system was in the components, and it could carry the components forward from system to system, perhaps it could build large powerful systems . The additional resources provided by Sun make major improvements to Tcl and Tk. Scott Stanton and Ray Johnson ported Tcl and Tk to Windows and the Macintosh, so that Tclame an outstanding cross-platform development environment; today, more than two-thirds of Tcl downloads are for windows.

Grouping and Substitution :

The Tcl syntax is used to guide the Tcl parser through three steps: argument grouping, result substitution, and command dispatch. Argument grouping. Tcl needs to determine how to organize the arguments to the commands. In the simplest case, white space separates arguments. As stated earlier, the quotation marks and braces syntax is used to group multiple words into one argument. In the previous example, double quotation marks are used to group a single argument to the puts command. Result substitution. After the arguments are grouped, Tcl performs string substitutions. Put simply, it replaces $foo with the value of the variable foo , and it replaces bracketed commands with their result. That substitutions are done after grouping is crucial. This sequence ensures that unusual values do not complicate the structure of commands.

Student Technical Article : Title - FireWire Written by P. SHRUTHI

Introduction

FireWire, originally developed by Apple Computer, Inc is a cross platform implementation of the high speed serial data bus - define by the IEEE 1394-1995 [FireWire 400],IEEE 1394a-2000 [FireWire 800] and IEEE 1394b standards-that move large amounts of data between computers and peripheral devices.

TOPOLOGY

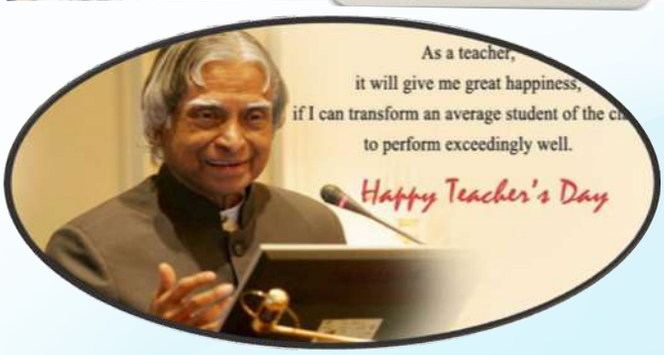
The 1394 protocol is a peer-to-peer network with a point-to-point signaling environment. Nodes on the bus may have several ports on them. Each of these ports acts as a repeater, retransmitting any packets received by other ports within the node. Figure 1 shows what a typical consumer may have attached to their 1394 bus. Because 1394 is a peer-to-peer protocol, a specific host isn't required, such as the PC in USB. In Figure 1, the digital camera could easily stream data to both the digital VCR and the DVD-RAM without any assistance from other devices on the busFireWire uses 64-bit fixed addressing, based on the IEEE 1212 standard. There are three parts to each packet of information sent by a device .
over FireWire:

The bus ID and physical ID together comprise the 16-bit node ID, which allows for 64,000 nodes on a system. Individual FireWire cables can run as long as 4.5 meters. Data can be sent through up to 16 hops for a total maximum distance of 72 meters. Hops occur when devices are daisy-chained together. Look at the example below. The camcorder is connected to the external hard drive connected to Computer A. Computer A is connected to Computer B, which in turn is connected to Computer C. It takes four hops for Computer C to access camera.The 1394 protocol supports both asynchronous and isochronous data transfers.

TEACHER'S DAY CELEBRATIONS

Teacher's day was celebrated with huge fervor in the CSE Dept. on 5th of September 2016. It is one day when teachers deserve to be given a heartily tribute for their hard efforts of making nation's future. The department celebrated this occasion with lots of enthusiasm.

5th September is celebrated as Teacher's Day all over the India every year. It is the birth anniversary of DR. SARVEPALLI RADHAKRISHNAN who was a great scholar and teacher. In his later life he became the Vice President of Indian Republic and later on the President of Indian Republic. This day reminds us that teachers are like backbone of our society. They play great role in building up character of students and shape their thoughts to become ideal citizens of the nation. The celebrations in the department began with the cake cutting ceremony by, HOD V. INDRANI, CSE Department in the auditorium packed with smiling faces of students and faculty members. The students presented awestruck performances of dancing, singing and ramp walk. The students were blessed by the esteemed presence of Principal, Dr. P.SUDHAKARA RAO who stirred the crowd with their inspiring words.



ENGINEER'S DAY CELEBRATION

Engineer's day on 15th September 2016 “Engineering is the art of directing the great sources of power in nature for the use and convenience of man” The department enthusiastically celebrated Engineer's day on 15th September 2016 with active participation from students of all years of B.Tech. Engineering is not merely knowing and being knowledgeable; engineering is not merely analysis; engineering is not merely the possession of the capacity to get elegant solutions to non-existent engineering problems; engineering is practicing the art of the organized forcing of technological change. Engineers operate at the interface between science and society.

To identify the great works done by our hardworking engineers each year 15th September is celebrated as Engineer's Day marking the birth anniversary of Sir MOKSHAGUNDAM VISVESVARAYYA, recognizing his contributions in the field of hydro energy in India. There were four technical competitions viz. Poster Making, Project Presentation and Coding-Decoding Paper Presentation organized by the English Faculty CSE Department Faculty for the students of CSE Dept. The winners were accolade by prizes given by, HOD of CSE Dept

STUDENT CLUB ACTIVITIES

CAMPUS PLACEMENTS

VMTW provides full placement support to its students in all in its students. The underlying objective of VMTW for engineering education is to create and transfer knowledge for the welfare of the society. Over the last Eight years VMTW has emerged as one of the most favored destination for hiring fresh Talent from the Campus. Its endeavors to provide Industry compliant talent and emphasis on Quality, Discipline, Self-Learning, Ethics and Values have delivered rich dividends. Our Placement model is a four stage process involving the Pre Placement activities, Career Guidance, Executing Placement and Post Placement reviews. In addition to providing Placement support to the students in the prestigious organizations, we also facilitate training of our students in the campus by reputed training organizations, project work for the students in the final year, continuous institute-industry interactions, participation in exhibitions, fairs, seminars and conferences, counseling of the students on job opportunities, facilitating industry visits and Inviting distinguished speakers to add value in our programs.

Our students today are occupying converted positions in Multinationals, Corporates, PSUs and other organizations with excellent compensation packages.

STUDENTS PLACED IN Sfortune Solutions Pvt.Ltd.

Sno	Roll No	Name of The Student	Company	Designation
1	14UP1A0503	P.Shruthi	Sfortune Solutions Pvt.Ltd	Executive for Tech Process
2	14UP1A0504	P.Shravya Reddy	Sfortune Solutions Pvt.Ltd	Executive for Tech Process
3	14UP1A0508	S.Divya Reddy	Sfortune Solutions Pvt.Ltd	Executive for Tech Process

RESEARCH PUBLICATIONS

Title: "Rule Based Machine translation of Complex Sentences from English to Telugu", International Journal of Research (IJR), Vol.4, Issue 9, Aug- 2016, by K Deepthi Krishna Yadav.

Abstract—Machine translation is one of the most developing and research oriented topics of Computational Linguistics. Researchers aim to develop Machine Translation system that produces high quality translation outputs with high accuracy, efficient parsing and covering maximum language pairs. Translation of complex sentences is one of the major challenges in Natural Language Processing. Our proposed approach deals with Dictionary-based Bi-Lingual (Unidirectional) machine translation. We focus on identifying the 'clauses' and 'Subordinate conjunctions' which play an important role in simplifying and translating the complex sentences by preserving the meaning and the structure of the Source text (ST). This paper discusses the results obtained by implementing the algorithm in a machine translation system on a sample test suites.