> " All parts should go together without forcing. You must remember that the parts your reassembling where disassembled by you. therefore, if you can't get then together again, there must be a reason. By all means don't use a hammer " - IBM Manual, 1925

EDITORIAL DESK

Hello!!! We are happy to welcome you all aboard the fledgling 8th edition for the scintillating year 2018. 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 one day workshop on "Phases of Compiler" concepts was conducted by Mr.Anand Chintha on 22/01/2018 and fills the Gap on Compiler Design.

- A Three day Workshop on Ethical Hacking concepts was conducted by Maneesh Jain, Corporate Trainer, Free Lancer, IFC32015 on 23th to 25th January 2018.

GUEST LECTURES ON

- A Guest Lecture on "Transaction Management" was conducted by Mr. Haris,Principal Product Manager CA Technologies on 23/01/2018 and fill the Gap on Database Management Systems.

- A Guest Lecture on "Trends in Operating Systems" was conducted by Ms Divya on 12/02/2018 and fill the Gap on Operating Systems.

- A Guest Lecture on" PHP" was conducted by Mr Sujit Majetty, Coign, Corporate Trainer,on 12/02/18.

SHORT TERM COURSE "HTML" & "PYTHON"

- A 30 hours Short term course on " HTML" was conducted by Mr Mahesh, from Brain-O-Vision.

- A 30 hours short term course on "Python" was conducted by Mr .Mahesh, from Brain-O-Vision.

CAREER GUIDANCE

FOR THE NSS VOLUNTEERS ON

Skill development (first aid, disaster management, public speaking, leadership motivation, HIV/AIDS awareness etc.

TECHNICAL EVENTS, CULTURAL ACTIVITIES & SPORTS ON PRAJWALAN

- Project Expo
- Paper Presentation
- Chess
- Dance
- Poster Presentation
- Tech Quiz
- Kabbadi
- Koko

attracting the participation of more than 1000 from all over the country-

FACULTY TECHNICAL ARTICLE BY

Title Name: BIG DATA by D. Swaroopa

STUDENT TECHNICAL ARTICLE BY

Title Name: Browser Security by J. GURDEEP KAUR
H.T.No.15UP1A0524

Prajwalan-a National Level Technical, Cultural & Sports Meet Attracting The Participation Of More Than 1000 Participates From All Over The Country

Feb 3rd 2017: VIGNAN INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN, Approved by AICTE, Affiliated to JNTU Hyderabad KONDAPUR VILLAGE GHATKESAR MANDAL RANGAREDDY DISTRICT, HYDERABAD, celebrated its Annual Day, PRAJWALAN -2K18, on 2nd February 2018.The Evening turned out extravagant as it was graced by the HON'BLE Chief Guest, P. MAHENDER REDDY,MLA, MR. GANESH SOMISETTI AUTOCAD, HVAC, CATIA and other talents. GANESH is based out of Hyderabad & has studied ME-Mechanical Engineering, State of TELANGANA.

The HON'BLE Chief Guest was warmly received by the Management of VMTW, the Founder & HON'BLE Chairman, DR.L.RATHAIH, Chairman VIGNAN Group

Mr. B.SHRAVAN, C.E.O VIGNAN Group, HON'BLE Principal, Dr. P.SUDHAKARA RAO, Principal Heads of all the Departments of VMTW, Faculty and Student Coordinators.

The HON'BLE Chief Guest, P. MAHENDER REDDY, enthralled the audience with his mesmerizing speech. He congratulated the management and students of VMTW for the achievements they have had this year, witnessed in the college premises..He also encouraged the students to get their projects practically implemented mentioned the importance of getting into Government examinations .He shared his experiences His words and gestures were truly Light upon Light of the Evening. He was felicitated by the Mr. B.SHRAVAN, C.E.O VIGNAN Group which was the best captured moment of the evening.

Prize giving ceremony happens to be the most awaited event of the Annual Day .The trophies and cash prizes were given to the students for their best performance in sports and Technical Cultural events exhibited.. The entire gathering also witnessed a western dance, enthusing every Heart and soul. A dance performance depicting various festivals added charm to That spectacular evening.

The Annual Day PRAJWALAN -2K18got concluded with the vote of thanks, given by HOD MRS.A.NARMADA of ECE Department, leaving behind the promise of a handful of brighter hues the next year too.

FACULTY TECHNICAL ARTICLE BY D. SWAROOPA

Title Name: BIG DATA

INTRODUCTION:

Big data is a broad term for data sets so large or complex that traditional data processing applications are inadequate. Challenges include analysis, capture, data curation, search, sharing, storage, transfer, visualization, and information privacy. The term often refers simply to the use of predictive analytics or other certain advanced methods to extract value from data, and seldom to a particular size of data set. Accuracy in big data may lead to more confident decision making. And better decisions can mean greater operational efficiency, cost reductions and reduced risk. Analysis of data sets can find new correlations, to "spot business trends, prevent diseases, combat crime and so on." Scientists, practitioners of media and advertising and governments alike regularly meet difficulties with large data sets in areas including Internet search, finance and business informatics. Scientists encounter limitations in e-Science work, including meteorology, genomics, connectomics, complex physics simulations, and biological and environmental research.

CHARACTERISTICS:

Volume – The quantity of data that is generated is very important in this context. It is the size of the data which determines the value and potential of the data under consideration and whether it can actually be considered Big Data or not. The name 'Big Data' itself contains a term which is related to size and hence the characteristic.

Variety - The next aspect of Big Data is its variety. This means that the category to which Big Data belongs to is also a very essential fact that needs to be known by the data analysts. This helps the people, who are closely analyzing the data and are associated with it, to effectively use the data to their advantage and thus upholding the importance of the Big Data.
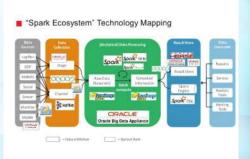
Velocity - The term 'velocity' in the context refers to the speed of generation of data or how fast the data is generated and processed to meet the demands and the challenges which lie ahead in the path of growth and development.

Variability - This is a factor which can be a problem for those who analyse the data. This refers to the inconsistency which can be shown by the data at times, thus hampering the process of being able to handle and manage the data effectively.

Veracity - The quality of the data being captured can vary greatly. Accuracy of analysis depends on the veracity of the source data.

Complexity - Data management can become a very complex process, especially when large volumes of data come from multiple sources. These data need to be linked, connected and correlated in order to be able to grasp the information that is supposed to be conveyed by these data. This situation, is therefore, termed as the 'complexity' of Big Data

■ "Spark Ecosystem" Technology Mapping

STUDENT ARTICLE BY GURDEEP KAUR JANDU H.T. No.15UP1A0524

Title Name: BROWSER SECURITY

OPEN BROWSER ENGINEERING ISSUES

Other than the general design of HTTP, HTML, and related mechanisms discussed previously, a handful of browser engineering decisions tend to contribute to a disproportional of day-to-day security woes. Understanding these properties is sometimes important for properly assessing the likelihood and maximum impact of security breaches, and hence determining the safety of user data. Some of the pivotal, open-ended issues include: Relatively unsafe core programming languages: C++ is used for a majority of code in Internet Explorer, Firefox, Safari, Opera, and Chrome; C is used in certain highperformance or low-level areas, such as image manipulation libraries. The choice of C and C++ means that browsers are regularly plagued by memory management and integer overflow problems, despite considerable ongoing audit efforts. No security compartmentalization: once control of the process is seized due to common implementation flaws, most browsers provide essentially unconstrained access to the user context they are running in. This means that browser bugs - historically, very common - easily lead to total system integrity loss.

Inconsistent and haphazard data storage practices: browsers use a mix of random storage methods to keep temporary files, downloads, configuration data, and sensitive records such as passwords, browsing history, saved cookies, or cache entries. These methods include system registry, database container files, drop-off directories, text-based configs (CSV, INI, tab-delimited, XML), and proprietary binary files.

CULTURAL EVENTS, TECHNICAL EVENTS & SPORTS ON PRAJWALAN - 2018

ACADEMIC PERFORMANCE

SNO	ROLLNO	TOPPER	%AGE
IV-1 CSE (2017-18):			
1	14UP1A0507	1	78.80
2	14UP1A0502	2	77.33
III-1 CSE-A (2017-18)			
3	15UP1A0525	1	74.53
4	15UP1A0541	2	74.40
III-1 CSE-B (2017-18)			
5	15UP1A0567	1	73.87
6	15UP1A0570	2	73.60
II-1 CSE-A (2017-18)			
7	16UP1A0554	1	7.88
8	16UP1A0502	2	7.58
II-1 CSE-B (2017-18)			
9	16UP1A0585	1	8.08
10	16UP1A0580	2	7.63
I-1 CSE-A (2017-18)			
11	17UP1A0515	1	9.13
12	17UP1A0526	2	8.46
I-1 CSE-B (2017-18)			
13	17UP1A0555	1	8.13
14	17UP1A0585	2	8.08

LIST OF COLLEGE PARTICIPATED IN SPORTS

S.No	Throw Ball	Kabaddi	Kho-Kho	Cricket	Chess & Carroms
1	Samskruthi Engineering College	VBIT	Hollymary Engineering College	Holymary Engineering College	Samskruthi Engineering College
2	Sridevi Womens Engineering College	Sridevi Womens Engineering College	Sridevi Womens Engineering College		VBIT
3	Nalla Narsimha Reddy Engineering College	Ace Engineering College	Tirumala Engineering College		Sridevi Womens Engineering College
4	Ace Engineering College	Nalla Narsimha Reddy Engineering College	Ace		Nalla Narsimha Reddy Engineering College
5	Vits Engineering College	Aurora Engineering College - Boduppal			Tirumala Engineering College
6	Aurora Engineering College – Ghatkesar	Tirumala Engineering College			
7	Aurora Engineering College - Boduppal				
8	Tirumala-Engineering Colleges				

NSS REGULAR ACTIVITIES

Under the National Service Scheme our students regularly organize Blood donation camps, Medical camps, Tree Plantation and community awareness programs in rural areas around. NSS Volunteers have participated in many social activities in villages around the college.

MEDICAL HEALTH CHECKUP

A medical team from KIMS Hospital visited VIGNAN INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN for conducting medical camp .DR ADITYA MBBS along with his team conducted tests of sugar and BP along with consultation. The NSS volunteers of VMTW campus are very energetic and dynamic and demonstrated their social responsibility. The event was completed successfully.

THE NSS VOLUNTEERS ON

Special Camps provide a unique opportunity to the student youth for group living leadership, close, interaction with the community, mutual understanding, tolerance, cohesion, etc. To make constructive use of student's leisure time for community work, camps are organized during the vocations. During the Special Camps, students are expected to stay the communities where they are holding the camp. These camps are

- **Environment**
- **Disaster Management**
- **Rural Developments**
- **Water Management**
- **Cleanliness**
- **Education**
- **Health**
- **Focus on swachh bharath**