



## 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-4

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**"The best way to get a project done faster is to start sooner" - Jim Highsmith**

**Professional and ethical responsibilities and will show the understanding of impact of engineering solutions on the society.**

### EDITORIAL DESK

Hello!!! We are happy to welcome you all aboard the fledgling 4th edition for the scintillating year 2016. 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!!!

### HOD'S DESK

Dedicated to ensuring great careers for its students. For 4th edition News Letter this means forging deeper industry linkages than ever before, creating a research culture from day one and ensuring seamless education using the best technology available anywhere. The excellent infrastructure, teaching faculty of the best kind of the Department ensuring quality education such as interaction among students, parents and staff, along with a Training and Placement Cell ensures a bright future to its students. The Department of CSE is striving hard towards the goal of providing innovative and quality education with high standard to achieve academic excellence and provides platform for the students to achieve their career goals.

### ABOUT DEPARTMENT OF CSE

The Department of Computer Science and Engineering (CSE) was established in the year 2008 with the aim of providing wide-ranging technology education to students from all over the country and thereby creating responsible citizens who would contribute to the betterment of their families, society and nation.

The future of Computing rests here. The department's mission is to value based professional education for a challenging career advance, evolve and enhance Computer Science and Engineering fundamentals to build the intellectual capital of the society. The CSE Department Endeavour's to be an important regional, resource center for the development of Computing and its applications. The department is witnessing a period of exciting growth and opportunity propelled by the growth of technology and its recognition through excellence. CSE boasts a vibrant student body of about 120 undergraduate students.

### 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.

### FACULTY TECHNICAL ARTICLE BY

**Title Name: Google Chrome Laptop or Chrome Book**

**Written By Dr. SRINIVAS AMBALA**

### STUDENT TECHNICAL ARTICLE BY

**Title Name: Short Message Service (SMS) Written By KODEY LAXMI SUJANA**

### RESEARCH PUBLICATION

Author: V.Indrani, "Big Data for Health Informatics", International Journal of Engineering and Science Research (IJESR), vol-6, Issue-10oct-2016

### INDUSTRIAL VISIT

- Council of Scientific and Industrial Research CSIR
- Sriharikota, India. SHAR

### GUEST LECTURES ON

- Np hard and Np Complete problem
- Network Security
- Advanced Sorting Techniques

### SEMINARS ON

- Digital Designing using LOGISM Open Source Software
- Goal Setting Achievement

Cont...

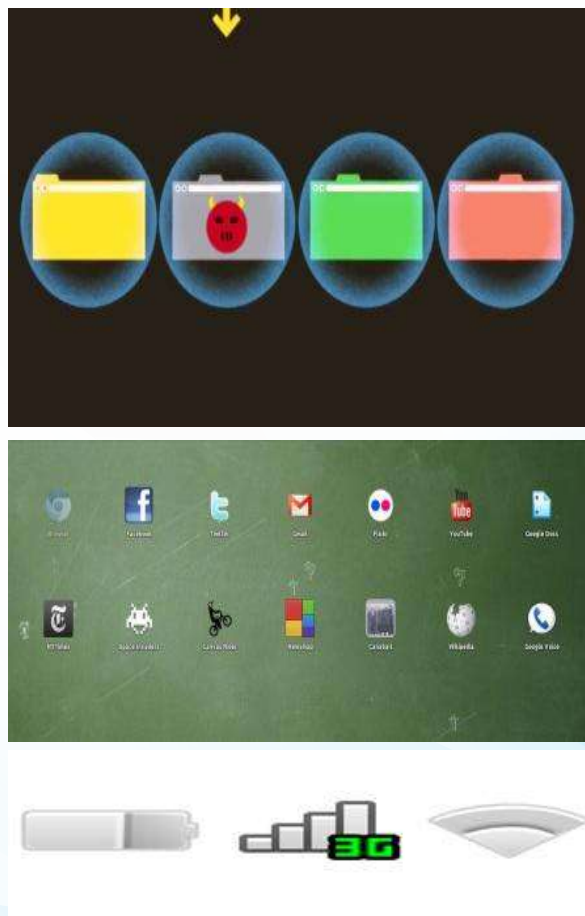
## Faculty Technical Article : Title - Google Chrome Laptop or Chrome Book Written By **Dr. SRINIVAS AMBALA**

### INTRODUCTION

Chrome is the web browser used for browsing the internet in any computer. In the late 1990's when the browsers were designed they were computed for using the internet which was slow in that period. So some of the members at GOOGLE thought in the 2000's have to design a browser which could make internet computing faster as per the present day speeds in the internet.

### Conclusion

Finally these laptops have wide range of features which will make the use of internet very much interesting for the mankind. For the best way of experiencing the joy with the chrome books we need INTERNET. No Internet? No joy. No Internet connection, then you cannot have access to do cloud-bound work – particularly using Google Chrome OS – you must be able to connect to the Net. Slow Internet? Only a little joy. Doing even basic web surfing is a frustrating bit of business with a slow Internet connection, but trying to actually do some work in the slow lane? Cloud computing requires a fast connection, period. Need more space? It'll cost you. You need a Google account to use Google Chrome OS, and the default account comes with 1 GB of storage for Google Docs. (Gmail offers 7 GB for messages, while Picasa Web Albums offers 1 GB for photos.) That's not much, and if you want more you have to buy it. For example, an extra 20 GB goes for \$5 a year. In the current generation of using computers INTERNET has become a compulsory add-on. So the people of our country have to learn many things which can be found on the internet. When the people are well educated and learn something good it will help in the development of our country as the very well developed countries. Awareness has to be created in the students to know about the future gadgets and the background process that takes place for the successful working of them. So for this improvement INTERNET connection is very much essential.



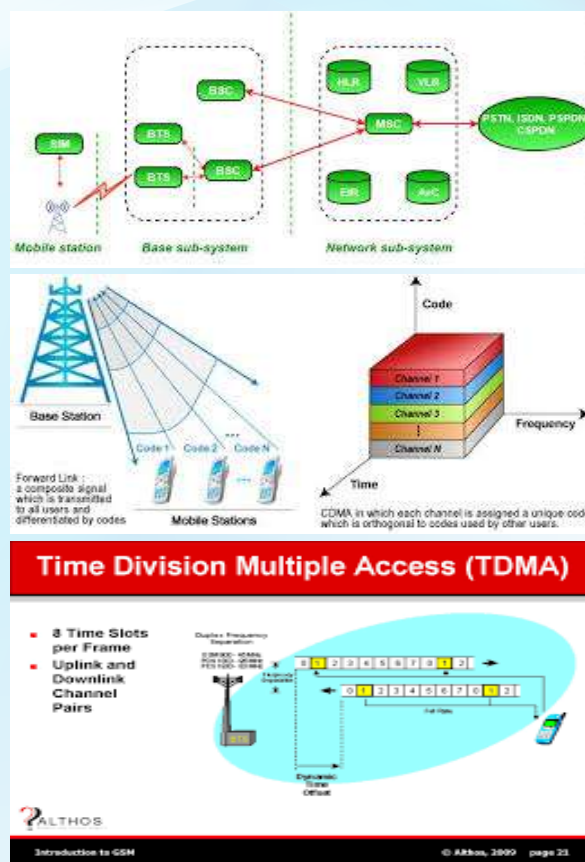
## Student Technical Article : Title - Short Message Service (SMS) Written By **KODEY LAXMI SUJANA**

### INTRODUCTION

Short message service (SMS) is a globally accepted wireless service that enables the transmission of alphanumeric messages between mobile subscribers and external systems such as electronic mail, paging, and voice mail systems.

### Conclusion

SMS provides a mechanism for transmitting short messages to and from wireless devices. The service makes use of an SMSC, which acts as a store-and-forward system for short messages. The wireless network provides the mechanisms required to find the destination station(s) and transports short messages between the SMSCs and wireless stations. In contrast to other existing text-message transmission services such as alphanumeric paging, the service elements are designed to provide guaranteed delivery of text messages to the destination. Additionally, SMS supports several input mechanisms that allow interconnection with different message sources and destinations. A distinguishing characteristic of the service is that an active mobile handset is able to receive or submit a short message at any time, independent of whether a voice or data call is in progress (in some implementations, this may depend on the MSC or SMSC capabilities). SMS also guarantees delivery of the short message by the network. Temporary failures due to unavailable receiving stations are identified, and the short message is stored in the SMSC until the destination device becomes available. SMS is characterized by out-of-band packet delivery and low-bandwidth message transfer, which results in a highly efficient means for transmitting short bursts of data. Initial applications of SMS focused on eliminating alphanumeric pagers by permitting two-way general-purpose messaging and notification services, primarily for voice mail.





## GUEST LECTURE & SEMINARS

S.No	Action Taken	Date	Resource Person	No. of students	Fill Gaps on
1	One day seminar on "Digital Designing using LOGISM Open Source Software"	23/7/2016	Dr. C. Srinivas, Assoc.Prof, HOD VITAE	80	Digital Logic Design
2	A Guest Lecture on "Np hard and Np Complete problem"	22/07/2016	Dr. K. Madhavi Prof, GRIET	75	Design and Analysis of Algorithms
3	A Guest Lecture on "Network Security"	03/09/2016	Dr. P. KanchanaMala, HOD,GMRIT	75	Network Security
4	A Guest Lecture on "Advanced Sorting Techniques"	19/09/2016	Mr. Sampath Kumar Maka, Brain-O-Vision	90	Data structures
5	A Seminar on "Goal Setting Achievement"	10/09/2016	Mrs.Vanitha Datla,CEO, ELICO	75	Higher Studies



## INDUSTRIAL VISITS

S.No.	Visited Company Name	Location	Date	Students attended
1	CSIR	Uppal Road, Habsiguda, Hyderabad, Telangana	28/09/2016	60
2	SHAR	Sriharikota, Andhra Pradesh	26/08/2016	70



## NSS ACTIVITIES

Sl. No.	Programs Conducted	Date
1.	<b>Plantation program in V.M.T.W (Telanganaku Harithaharam)</b> 300 Flower bearing plants , fruit bearing plants have been planted in campus and nearby schools, N.S.S Volunteers Participated=90 No. of Hours = 6 <b>Blood Donation Camp</b> No. of Hours = 6	11.07.2016 & 14.07.2016 28.07.2016
RN	<b>Personality Development Program in V.M.T.W</b> Personality Development was conducted in campus for around 250 students of III and IV B.Tech.by Sr. Asst. Prof. Mr.K.Shyam Sundar on "Goal setting". N.S.S Volunteers Participated=95, No. of Hours = 4	28.08.2016
SN	<b>Cleaning on Vignan Campus</b> NSS volunteers have participated in cleaning the play ground and premises. N.S.S Volunteers Participated=90 No. of Hours = 4 <b>Anti-Ragging Awareness Programme</b> No. of Hours = 3	04.09.2016 07.09.2016
TN	<b>Personality Development Program in V.M.T.W</b> Personality Development was conducted in campus for around 200 students of I B.Tech. by B. Sathyanarayana on Self Mastering. N.S.S Volunteers Participated=60 No. of Hours = 4	17.09.2016
UN	<b>NSS Day celebration &amp; Function</b> Number of Students attended = 120 Celebrated NSS day by performing cultural events No. of Hours = 6 <b>Telangana Bathukamma Festival Celebrations</b>	24.09.2016 27.09.2016
V.	<b>Created awareness about EYE Donation</b> A session has been held by Govt. Medical Officers along with Dr.Mannsingh about the importance of EYE donation and at the end of the session oath has been taken by the students N.S.S Volunteers Participated=120 No. of Hours = 4	01.10.2016
W	<b>Health and Hygiene Programme in Government Schools.</b> Awareness on health and hygiene was given to the govt. School students by volunteers through skits and Screening videos. N.S.S Volunteers Participated=93 No. of Hours = 6	09.10.2016
X.	<b>Eye Testing Camp in V.M.T.W</b> Doctors from L.V Prasad Institute have visited the camp and tested around 255 students and faculty members. N.S.S Volunteers Participated=105 No. of Hours = 8 hours	18.10.2016
YN	<b>Personality Development Programme in V.M.T.W</b> Personality Development programme was conducted in campus for around 250 students of I B.Tech. & II B.Tech. as two sessions by Center for Human Excellence of Ramakrishna math by SathyaNarayana on Communication Skills N.S.S Volunteers Participated=113 No. of Hours = 4	30.10.2016

