



# COMPLIT

A Computer Literature

NEWSLETTER DATE: TUESDAY,  
26 JAN. 2016

## Department of Computer Engineering

### About Department

Computer Engineering Department had been started in 2008, with intake of 60. Our department has 6 well-equipped laboratories. We have established the association "COMPIT" in which we conduct various activities like Quiz competition, Power point presentation, Blind C, Poster presentation, LAN gaming etc. Our department has organized various expert lectures and workshops like Android, .NET, PHP for the overall development of students. These types of activities are arranged to get better results in academics and overall development of students. Our department organized MSBTE sponsored Faculty Training Program on "Linux Operating System and Open Source application."

*"Imagination is more important than knowledge. Knowledge is limited, Imagination encircles the world."*  
-Albert Einstein

### CYBER TERRORISM

People around us are now facing different kinds of crime, only because of tremendous use of internet, computer illiteracy and lack of safety precautions. Whole world is now facing the problem of cyber crime.

Computer crime or cyber crime is a general term that embraces such crimes as phishing, credit card frauds, bank robbery, illegal downloading, industrial espionage, child pornography, kidnapping children via chat rooms, scams, cyber terrorism, creation and/or distribution of viruses, spam and so on. Now we will see some of the dangerous terms. Government



### Message of HOD

It is our pleasure to present first News Letter "CompLit" of our department. This News Letter is the one of the ways in which we can disseminate the information about our department. The past semester was full of various activities by the students and faculty in Academic, Co-curricular and Extra-curricular activities. As you read through pages, you will realize that we have succeed in academics as well as in different co-curricular activities.

Mr. Bhandare P. S.

Wish You All a  
Very Happy  
Republic Day!!!!

### INSIDE THIS ISSUE:

CYBER TERRORISM	1
LEARNING TO SELECT AND ORDER VACATION PHOTOGRAPHS	2
MSBTE SPONSORED FACULTY TRAINING PROGRAM	2
SPECIAL ACHIEVEMENTS	3
CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES	4
UPCOMING EVENTS	4
PUBLICATIONS	4

Mr. Jagadale S. M.



Fig. Credit card cyber terrorism

Officials and Information Technology security specialists have documented a significant increase in Internet problems and server scans since early 2001. But there is a growing concern among federal

officials that such intrusions are part of an organized effort by cyber terrorists, foreign intelligence services, or other groups to map potential security holes in critical systems. "A cyber terrorist is someone who intimidates a government or organization to advance his or her political or social objectives by launching a computer-base attack against computers, networks, or the information stored on them".

Cyber terrorism in general, can be defined as "an act of terrorism committed through the use of cyberspace or computer resources".



**UEFI:** UEFI is a standard firmware interface for PCs, designed to replace BIOS. It provides better security by helping to protect the pre-startup or pre-boot process against boot kit attacks.

**LIFI:** Is the use of the visible light portion of the electromagnetic spectrum to transmit information at very high speeds. This is in contrast to established forms of wireless communication such as Wi-Fi.

**RUST:** Rust is a modern systems programming language focusing on safety and speed. It accomplishes these goals by being memory safe without using garbage collection.

**PYTHON:** Is a widely used general-purpose, high level programming language. Python supports multiple programming paradigms, including object oriented, imperative Etc.

## LEARNING TO SELECT AND ORDER VACATION PHOTOGRAPHS

The problem of automated photo album creation from an unordered image collection. The problem is difficult as it involves a number of complex perceptual tasks that facilitate selection and ordering of photos to create a compelling visual narrative. To solve this problem, here we collect (and will make available) a new benchmark dataset based on Flickr images. Flickr Album Dataset and provides a variety of annotations useful for the task, including manually created albums of various lengths.

The problem is analyzed and provide experimental support, through user studies, that both selection and ordering of photos within an album is important for human observers. To capture and learn rules of album composition, here we propose a



Fig. Problem Formulation

discriminative structured model capable of encoding simple preferences for contextual layout of the scene (e.g., spatial layout of faces, global scene context, and presence/absence of attributes) and ordering between photos (e.g., exclusion principles or correlations). The parameters of the model are learned using a structured SVM framework. Once learned, the model

**Ms. Khandagale V. V.** allows automatic composition of photo albums from unordered and untagged collections of images.

With large quantity of devices that are able to capture images (including cell phones, electronic readers, and conventional cameras), the need for automated ways to sort and meaningfully present these images to users is becoming ever so important. We take inspiration from conventional photography, where often large photo collections are presented in the form of sparse important key moments in a particular viewing order. In all these instances a sub-set of photos is chosen, by a professional or the users themselves, and are arranged in a particular viewing order. The process is, however, manual and often difficult for large image collections.

## M.S.B.T.E SPONSORED ONE WEEK FACULTY TRAINING PROGRAM

MSBTE Mumbai Sponsored and Computer Engineering Department organized Faculty Training Program on "LINUX OPERATING SYSTEM AND OPEN SOURCE APPLICATIONS" arranged from 20<sup>th</sup> Dec to 24<sup>th</sup> Dec 2015. As per MSBTE curriculum this subject is for Third Year Computer Engineering students. For this training program participants from all over the Maharashtra were present. As per the norms of MSBTE, we prepared batch of 33 participants.

On the first day of inauguration Prof. Dr. Apte S.S. madam was present. In her introductory speech, she explained importance of Linux operating system and she also convinced how this OS is for betterment of Computer Engineers.

Our senior trustee members



One week Faculty Training Program

Hon. Shri. D. S. Salvitthal, Shri. N. S. Kagade and Shri. B. D. Ronge increased the glory of this function. Also, Prof. N. D. Misal, Principal Prof. A. D. Ingale, HOD Mr. P. S. Bhandare, event co-ordinator Mr. S. D. Telkar and the resource persons were present.

In this program of one week, we had Prof. V. D. Jadhav, Prof. Y. R. Kalshetty, Prof. A. M. Dyade, Mr. Sampurn Singh, Mr.

Ravish Rajput and Mr. Dinesh Zende as resource persons. They briefly explained the concepts like introduction, basic commands, file system, managing users and groups, script building, shell programming, text manipulation utility, desktop environment.

Our Director Prof. N. D. Misal appealed to organize such events in future. He further said that we will do our best to organize these events and fulfill all the requirements of candidates or participants.

We, the faculties of computer department are thankful to Management, Director, Principal, HOD, all teaching and Non-teaching staff members for supporting the smooth conduction of this training program.



## Special Achievements in Academic Year : 2015 –16

### SPORTS

- ◆ Gaurav Mohite got 'First Prize' in 'Wrestling' which was held at Shri Shivaji Shikshan prasarak Mandal Polytechnic, Barshi.
- ◆ Mayur Rathod got 'Second Prize' in 'Zonal Chess Competition' which was held at B.M. Polytechnic, Solapur.
- ◆ Sagar Somase got 'Second Prize' in 'Shot-put' which was held at Karmyogi Polytechnic, Shelve.

### YOUTH FESTIVAL

- ◆ Pooja Vidolkar, Pooja Chorage and Shreya Bhattad secured 'Runner up Prize' in 'Table Tennis' which is sponsored by MSBTE.
- ◆ Mayur Rathod secured 'Runner up Prize' in 'Chess Competition' which is sponsored by MSBTE.

## Students' Achievements -Toppers (Academic Year : 2015-16)

### COMPUTER ENGINEERING

Sr. No.	Class	Name of the student	Percentage
1	FY - CO	Ms. Patil Sneha Shivputra	95.85
2	FY - CO	Ms. Soni Bhagyashri Dayal	95.54
3	FY - CO	Ms. Patil Supriya Prataprao	94.77
4	SY -CO	Mr. Maske Gaurav Sugriv	90.12
5	SY -CO	Ms. Taksale Rutuja Sunil	90.00
6	SY -CO	Ms. Bhosale Priyanka Dipak	87.41
7	TY - CO	Ms. Hajare Rupali Bhagawat	92.75
8	TY - CO	Ms. Raut Supriya Tribak	92.25
9	TY - CO	Ms. Rokade Amruta Daitatraya	91.63

## Subject-Wise Toppers

### FIRST YEAR

#### ENGLISH

Sr. No.	Class	Name of the student	Marks out of 100
1	FY-CO	Ms. Patil Supriya Prataprao	95
2	FY-CO	Ms. Pandit Sneha Nagesh	94

#### BASIC SCIENCE

Sr. No.	Class	Name of the student	Marks out of 100
1	FY-CO	Ms. Jare Anu Vinod	100
2	FY-CO	Ms. Patil Sneha Shivputra	99
3	FY-CO	Ms. Patil Supriya Prataprao	98
4	FY-CO	Ms. Patil Swapnali Ganesh	98
5	FY-CO	Ms. Soni Bhagyashri Dayal	98
6	FY-CO	Ms. Pandit Sneha Nagesh	98
7	FY-CO	Mr. Kulkarni Shivani Nagesh	94

#### BASIC MATHEMATICS

Sr. No.	Class	Name of the student	Marks out of 100
1	FY-CO	Ms. Soni Bhagyashri Dayal	97
2	FY-CO	Ms. Patil Sneha Shivputra	94

### SECOND YEAR

#### APPLIED MATHEMATICS

Sr. No.	Class	Name of the student	Marks out of 100
1	SY-CO	Ms. Danake Prajakta Vilas	97

#### RELATIONAL DATABASE MANAGEMNET SYSTEM

Sr. No.	Class	Name of the student	Marks out of 100
1	SY-CO	Ms. Bhosale Priyanka Dipak	92



## Subject-Wise Toppers

### DIGITAL TECHNIQUES

Sr. No.	Class	Name of the student	Marks out of 100
1	SY-CO	Ms. Taksale Rutuja Sunil	96
2	SY-CO	Mr. Maske Gaurav Sugriv	93
3	SY-CO	Ms. Danake Prajakta Vilas	93

### DATA STRUCTURE

Sr. No.	Class	Name of the student	Marks out of 100
1	SY-CO	Ms. Bhosale Priyanka Dipak	86

## THIRD YEAR

### OPERATING SYSTEM

Sr. No.	Class	Name of the student	Marks out of 100
1	TY-CO	Ms. Raut Supriya Tribak	90

### JAVA PROGRAMMING

Sr. No.	Class	Name of the student	Marks out of 100
1	TY-CO	Ms. Rokade Amruta Dattatraya	96
2	TY-CO	Ms. Sawant Poonam Balaso	95
3	TY-CO	Ms. Jadhav Priyanka Prakashrao	95

### SOFTWARE ENGINEERING

Sr. No.	Class	Name of the student	Marks out of 100
1	TY-CO	Ms. Jadhav Priyanka Prakash	97

### COMPUTER SECURITY

Sr. No.	Class	Name of the student	Marks out of 100
1	TY-CO	Ms. Rokade Amruta Dattatraya	95
2	TY-CO	Ms. Devkule Jayshri Sanjay	92

### CO-CURRICULAR & EXTRA CURRICULAR EVENTS

- Mr. Bhosale P. P. And Ms. Surwase U. R. attended one week Faculty training Program at 'SVERI's College Of Engg. (Poly.)', Pandharpur in Dec. 2015 on "Linux Operating System and Open Source Application".
- "Entrepreneurship Awareness Camp" for third year students was conducted on 21<sup>st</sup> to 23<sup>rd</sup> Dec. 2015.
- "Faculty Training Program" had been organized during 20<sup>th</sup> to 24<sup>th</sup> Dec. 2015.
- Our annual cultural program "BEATS - 2K15" had been celebrated on 30<sup>th</sup> Dec. 2015.
- Industrial visit of Third year students on 13<sup>th</sup> and 14<sup>th</sup> Jan. 2016. The students visited Acme Infovision and Denity Pvt. Ltd. Satara.
- Industrial visit of Second year students was arranged on 13<sup>th</sup> Jan. 2016, The Students visited Acme Infovisson and Denity Pvt. Ltd. Satara.
- Mr. Kapse Onkar B. and Mr. Kewadkar Aditya V. attended workshop on "BOOTING" Organized by Yogesh Babar.

### STAFF ACHIEVEMENTS

- ME Completed:**  
Ms. V. V. Khandagale  
Mr. A. S. Bhatlavande
- ME Appeared:**  
Mr. P. S. Bhandare  
Ms. B. M. Deokar  
Ms. S. S. Chavan  
Mr. P. P. Bhosale  
Ms. P. V. Kale

### UPCOMING EVENTS

- Industrial Visit for Third Year students will be scheduled in the month of Mar. 2016
- Industrial Visit for second Year students will be scheduled in the month of Mar. 2016
- Workshop for Third year students will be scheduled in the month of May 2016 on Android, .NET.
- Workshop for second year students will be scheduled in the month of May 2016 on PHP.
- Parents Meet will be scheduled in the month of Feb. 2016.

### PUBLICATIONS

- Mr. A. S. Bhatlavande, "Energy Efficient Approach for In-Network aggregation", International Journal of Current Engineering and Technology (IJCET), E-ISSN 2277-4106, P-ISSN 2347-5161, Vol. 5 No.4(Aug.2015).

### EDITORIAL

It gives us great pleasure to present the first issue of our departmental newsletter - Complit, which gives us the opportunity to see the achievements in our departments.

We are thankful to all the students and faculties who have contributed during the preparation of this newsletter. We have tried our best and given positive efforts, expecting creative responses from everyone to continue the flow of knowledge

Ms. S. S. Chavan