Department of Computer Science & Engineering

Newsletter 2015 - 16 | Volume 1 Issue 1

Cloud-Point

VISION

To be a centre of excellence in Computer Science & Engineering education to prepare professionally competent engineers with lifelong learning attitude for the accomplishment of ever-growing needs of society.

MISSION

To prepare technically and professionally competent engineers by imparting quality education through effective teaching learning methodologies and providing stimulating environment for research and innovation.

OBJECTIVES

Abreast students with latest technical skills.
Develop ethical and entrepreneurship skills.
Research oriented and interdisciplinary research/projects.
Interactions with industry and academic experts.
Built up system for support institutional activities

LOOK INSIDE:

- Project Based Learning
- Industry Interaction
- Establishment of CSI Student Branch
- Student's Achivements
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- Faculty Forum
- NIVIDA GPU Education Center

It is a great pleasure to publish the newsletter of our Computer Science & Engineering Department. This newsletter reflecting the curricular,co-curricular, extra curricular activities carried out by the department in the present semester. I appriciate the efforts taken by the newletter committee coordinators for publishing this newsletter. I Would like to thank our Executive Director Hon. Shri. Anil Bagane, Principle Dr. S. A. Khot and all faculty members for their valuable support & encouragement . I wish all the Students and Faculty a great academic career.

Mr. O. D. Joshi
Assistant Professor & Head
CSE Dept. SITCOE

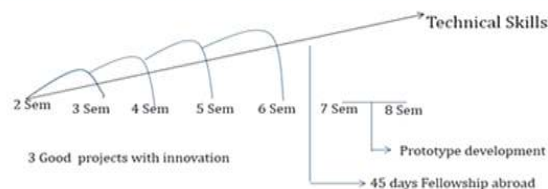"The computer was born to solve problems that did not exist before." — Bill Gates
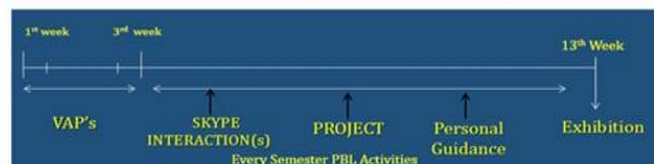
Project Based Learning

The institute has taken the wide-ranging decision to implement the concept of Project Based Learning(PBL). With this approach students actively explore real-world problems and challenges and acquire a deeper knowledge. The basic key elements of PBL are
- Key Knowledge, Understanding, and Success Skills
- Challenging Problem or Question
- Sustained Inquiry
- Authenticity
- Student Voice & Choice
- Reflection
- Critique & Revision
- Public Product

Under which various value added programs and activities are initiated by department.

Industry Interaction

MOU's

Department has MOU's with various industries/institutes,Under this various activities are conducted like Faculty training ,Workshops, Seminars and Industrial Visits for the students and Faculty. The List of organizations is as follows,

Sr.No.	Name of the Orgnization
1.	KC InfoTech Pvt Ltd. Kolhapur
2.	Comp Serve Consultants Pvt Ltd, Kolhapur
3.	D.Y Patil college of Engineering & Technology, Kolhapur
4.	Soft-X software solutions ltd. Sangli
5.	Arya Technologies,Kolhapur
6.	On-Digit software solutions private limited ,Kolhapur
7.	Appsware software solutions, Kolhapur
8.	Web-Tech Labs, New Delhi.

Industry Sponsored Lab's

To enhance industry interaction and motivate Researchers,we at SITCOE-Department of CSE established various sponsored Lab's of different domains.

Name of Lab	Sponsered Orgnization	Specifications
NVIDIA GPU Education Center	Nvidia Corporation	2 Titan X-Cards | 1 Tesla K-40 Card
E-Yantra Lab	IIT Bombay	Robotics Kits
Aakash Project Lab	IIT Bombay	236 Aakash Tablets
Spoken Tutorial Lab	IIT Bombay	Free ICT Course

Industrial Visit is vital part of the curriculum. It helps to bridge the gap between classroom and real working world. It also provides the First hand knowledge about the organizational structures and Modes of operations in different Industries.

Sr.No.	Place of Visit	Date
1.	CompserV Tech Kolhapur	15/07/2015
2.	Infosys,Maysore	26/09/2015 & 27/09/2015
3.	INCOIS Hyderabad	12/09/2015 & 13/09/2015
4.	tCognition Kolhapur	22/08/2015
5.	Vishwanet Computers,Kolhapur	28/08/2015

Establishment of CSI Student Branch

Institute Started a CSI (Computer Society Of India) student Branch Accredited by Computer Society Of India with Institutional Membership (IM) No.M10088.CSI student branch enrolled with 77 student Members and 4 Faculty Members. With CSI,

1. To be a part of the distinguished fraternity of famous IT industry leaders, brilliant scientists and dedicated academicians through Networking.
2. Professional Development at Individual level.
3. Training and Certification in futuristic areas.
4. International Competitions and association with International bodies like IFIP and SEARCC.
5. Career Support.
6. CSI Awards.
7. Various Publications.

Student's Achievements

Academic Toppers

Sr.No.	Name	Class	Percentage
1.	Vinit N. Shah	SE CSE	72.20%
2.	Anuja Patil	TE CSE	74.87%
3.	Mubassira Y. Bargir	BE CSE	78%

Co-curricular Activities

The Students of Computer science & Engineering department always participating in Technical as well as non-technical events which helps them to develop their Social Skills and Relationship-Building, Time Management Skills, Exploring a Plethora of Interests, Developing Self-Esteem.

• Avinash Bhise attended workshop on LATEX at IIT Bombay on 29 August 2015.
• Maya Bhatale completed MKDRC ,Advance Diploma in IT Trainer Tue, 24/11/2015 with 'A' Grade
• Indrajit Patil got First prize at Plexus 2K15, in the event Trouble Shooting held at SITCOE,Yadrav on 3rd October 2015.
• Mr.Pravin Gavarai got 3rd rank in Debate competition event of "Ornate 2K15" at SIT polytechnic, Yadrav 28th & 29th September 2015.

"I do not fear computers. I fear lack of them." — Isaac Asimov

Entrepreneurship Development Cell

To create entrepreneurial culture in academic institutions to faster growth of innovation and entrepreneurship among the faculty and students the institute has started Entrepreneurship Development Cell. The main objectives of the Cell are...

1. To motivate students to undergo Entrepreneurship Development Program (EDP), skill development training and enhance self-employment opportunities.
2. To reach Science & Technology to the participants and motivate them to take up entrepreneurial ventures.
3. To organize seminars/ guest lectures / workshops/ industrial visits.
4. To transfer the technical know-how and assist the students in setting up entrepreneurial enterprises.
5. Carrying out study to find out the entrepreneurial potential of region in selected industries.

From Department of CSE total 30 students who are member of the cell and they are participated in every activity conducted by cell.

The Activities conducted.......

• Security Internship Program
• Guest Lecture on Entrepreneurship Skills

COMPESA Activities

COMPESA provides opportunities for students to pursue their personal, professional and academic goals in student-led organizations. To enhance their educational experience, students are encouraged to participate in group activities that allow them to develop personal and professional relationship, learn leadership and organizational skills, and serve the society.

Activities conducted under COMPESA

COMPESA Inaugaration & S.E. Welcome Function

Renovation can refer to making something new ideas and implementation.
On 1st September 2016 renovation function of COMPESA held in our department. Along with COMPESA inauguration function department welcomed the fresher students of Department.

Teachers Day Celebration

Mother Gives Birth to Child, Teacher Gives Life, Everyone having an immense contribution of teacher in our life. For acknowledgment and recognition of the hard work put in by teachers towards student development, On the occasion of Teacher's Day on 5th September COMPESA organized special program for teachers which includes felicitation and various games etc.

Engineers Day Celebration

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 hard working engineers each year 15th September is celebrated as Engineers' .On the Occasion of Engineers Day COMPESA organized various events like Paper presentation ,Programming contest ,Poster presentation etc.

National Level Event PLEXUS 2K15

It's gives us immense pleasure to say for academic year 2015-16 department organized a grand National level event "PLEXUS 2K15" on 26th August 2015. Under PLEXUS department organized various events like Paper presentation, Campus Drive, Hardware assembly ,NFS Gaming ,Programming etc. About 800 students are participated in this event.

Community Service Cell

Community service is performed by someone or a group of people for the benefit of the public or its institutions.

Program goals are the following:

• To enhance students' learning by enabling them to practice
skills and test classroom knowledge through
related service experiences in the local community;

• To enable students to provide needed assistance to community
agencies and to the people served by the agencies;

• To assist their role as facilitators of service learning and in their engagement
with the community;

• To provide leadership training and development opportunities.

Under the Community Service Cell department organized various activities are as follows,

E-Waste Exhibition

It is not only important to have socio-economical growth but also protecting the ecological and environmental surroundings. Safe disposal of e-waste is one of the best solutions for protecting our Mother Earth.

• Every user of electronic goods must adhere to 3Rs i.e. Reduce, Recycle & Reuse.

• Ensuring the safe disposal of E-Waste to protect the environment.

On 1st September department organized E-waste exhibition under CS Cell.

Services Beyond the Campus

Under the CS cell the students of CSE department conducted the awareness program considered with information technology,computer sciences to the school students.

Knowledge Based Implementation

A Mini Project which is one of the innovative practice of the institute for second and third year students, under this total 20 projects are successfully completed by the CSE students in academic year 2015-16.

SE PROJECTS

Windows Folder Protection Software in C

Using RAC Algorithm Encrypt & Decrypt the Message

NVIDIA-Parallel Computing

Health Insurance System

Cyber Management System

Store Management System

Voting System

Calculate Typing Speed System

Employee Record System

Online Suggestion Box

A unit converter Application

Medical Store Management System

Mini Dictionary System

Word Converter System

Library Management System

Chatting Application Using C

TE PROJECTS

Knowledge Times

NVIDIA-Parallel Computing

Developing Ice-cream Parlour Website

SIT Cloud

Marksheet Generator

Department website

Online mobile Shoppe

 NVIDIA-Parallel Computing

IT Portal

NVIDIA-Parallel Computing

Online exam system

Car Rent System

Department Library Management System

Company profile Application

Attendance record System

Department Website Application

NBA Formats System

Alumni Association Application

6.

BE PROJECTS

The Department of Computer Science & Engineering always work with

Real Time environment. The List

of Projects by Final Year students is as follows,

Robust Digital watermarking scheme for JPEG Images.

Winds of Change: from vendor locking to meta cloud

Hiding of image data behind the colored image

Deaf Culture & Sign Language recognisation

Smart Shopping Buddies

Diagnosis of heart disease using data mining algo

Farmer Friend(Robot)

Detecting sinkhole attacks in WSN

Robot :Operating PC

Information System Audit

Company payroll system

Web Crawler

Automatic Land Irrigation using IOT & WSN

Remote Boot via cloud computing

Multi Touch Software

Breaking AES Using GA

School Proctor & bus tracking

N/W packet monitoring By using NS2

Gesture Browsing

Parent's Meet

Parent –teacher interaction is wonderful opportunity for us to extend lines of communication between home and college, keep parents informed about their ward's progress both academic and social and for developing co-operative strategies that can ultimately benefit to every student. The Parents meet conducted for academic year 2015-2016
1) 25th August 2015

Alumni Interaction

The Alumni Interaction plays a pivotal role in forging links between the institute and its alumni .Alumni are great role models for current students and are often well placed to offer practical support to students as they start their careers. On 4th September Ms. Madhuri M. Sutar (Working in Persistent Pvt.Ltd.Pune) alumni of CSE department engaged a session for BECSE students on career paths. Also number of alumni regularaly visiting to our department.

Faculty Forum

Research Paper published

Research always leads to an expansion of knowledge and discoveries. Department of CSE always works with research factor for improve education standards .
• Mr. Atul Anilkumar Kumbhar has been recognized with second rank in 2nd International workshop on Innovation & Entrepreneurship(IWIE) held on 14-16 December 2015,Hyderabad.India. His project titled "National Smart Field Monitor Network and Agriculture Integration" has been selected for presentation which will be held in Denmark.
• Mr. U. M. Mulani ,published a paper titled"Quad copter controlling using android mobile devices"in
• Mrs. M. N. Jadhav, published a paper titled"Oruta-Privacy preserving public auditing for shared data in the cloud storage"in IRJCS.

Workshop/Seminar/Conferences Attended by the Faculty Members

Faculty Name	Name of Workshop/Seminar
Mr Venktesh S.	3 Days National Level Workshop on NS3 and open source ICT at Ballari from 24th to 26th March 2016.
Mr. B. J. Gorad	Attended 1 day workshop on "Virtual Labs" Sponsored by NMEICT, MHRD, Government of India at KIT Kolhapur
	Attended Two Week STTP on "Advanced Techniques in Research Methodology" at SITCOE
	Attended 1 week faculty development programme on "Pedagogy to Synergogy" at SITCOE
Ms. P. A. Bagane	Attended 2 week ISTE STTP on "Technical Communication" at SITCOE
	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE
Mr. N. P. Jadhav	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE,Yadav.
	Attended 2 week faculty development programme on "Pedagogy to Synergogy" at SITCOE,Yadrav
Mr. S. Gurav	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE
	Attended 1 week faculty development programme on "Pedagogy to Synergogy" at SITCOE

Mr. O. D. Joshi	Attended 1 day workshop on "Virtual Labs" Sponsored by NMEICT, MHRD, Government of India at KIT Kolhapur
	Attended Two Week STTP on "Advanced Techniques in Research Methodology" at SITCOE
	Attended 1 week faculty development programme on "Pedagogy to Synergogy" at SITCOE
Mrs. M. N. Jadhav	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE
Mr. M. D. Jilan	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE,Yadav.
Mr. R. M. Patil	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE,Yadav.
Mr. R. D. Ghorpade	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE,Yadav.
Mr. U. M. Mulani	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE
Ms. S. B. Ghatte	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE
Ms. S. K. More	Attended 2 Week STTP on "Advanced Techniques in Research Methodology" at SITCOE

Faculty Industrial Training

Faculty of Computer Science & Engineering Department completed the training in various industries in 2015-16

Sr. No.	Name of Faculty	Name of Organization
1.	Mr. A. H. Pudale Mr. N. P. Jadhav Mrs. M. N. Jadhav Mr. R. M. Patil Mr. O. D. Joshi	On-Digit software solutions private limited, Kolhapur
2.	Mr. Venkatesh S. Mr. S.B. Gurav Mr. B.J. Gorad Mr. R.D. Ghorpade Mr. U.M. Mullani	Soft-X Software solutions private Ltd, Sangli
3.	Mr. M. D. Jilan Ms. S. B. Ghatte Ms. P. A. Bagane Ms. S. K. More Mr. A. A. Kumbhar	CompServe consultant Pvt Ltd. Kolhapur

NIVIDA GPU EDUCATION CENTER

To enhance industry institute interaction and motivate Researchers to contribute in CUDA/ GPU and Parallel programming research through GPU Education Center Program, we at SITCOE Department of CSE established GPU Education Center Program at SITCOE, Yadrav.

Objective of GPU Education Center:

• To enhance the performance of the system by doing massive computations using GPU.

• To increase the use of High Performance computing by students, staff and any researchers using NVIDIA GPU in their research projects.

• Parallel Processing using NVIDIA CUDA is the latest technology which is very powerful and widely helpful in accelerating the speed of execution.

• To enhance the Industry Institute Interaction.

• In Global Market near future is of parallel programming and CUDA.

• Setting Up modern training facility center for encouraging new researchers and students in this field.

• Facilitate the resources to Researchers for doing new trendy research and enhanced the quality of programming for the industry needs.

• Motivating and catching the opportunities from industry need and techniques for developing center of excellence in field of GPU and CUDA/Parallel Programming.

GPUs:
1. K40 (01 Qty)
2. Titan X (02 Qty)

Four mini projects of NVIDIA parallel computing are completed by second year & third year students of CSE department.

Guest & Expert Lectures

Expert lectures is a way of enriching our students with the latest updates of the industries and Technicalities. Department invites Eminent personalities from various industries and institutions to lend valuable information from their experiences to our students. The students are bestowed with knowledge about Industry needs, Latest technical updates, Avenue for higher studies etc.

Sr. no.	Guest Lecture/Workshops Conducted	Recourse Person	Date
1.	Cuda Programming (TECSE, SECSE)	Miss. Sharayu Mane, Pune	2nd Oct. 2015
2.	Career in IBM and Responsibilities of IT Professional (SECSE, TECSE, BECSE)	Mrs. Shahin sheikh, IBM Pune	29th Sept. 2015
3.	Cuda Programming (FDC, BECSE)	Prof. U B Chavan, IT Dept, WCE, Sangli	12th Sept. 2015
4.	Advanced Servers and Networking (BECSE)	Prof. T B Patil, HOD IT, KIT Kolhapur	10th Sept. 2015
5.	Application Development in PHP (TECSE)	Mr. Ankush Vankore, Sr. Academic Head, Seed InfoTech, Kolhapur	8th Sept. 2015
6.	Basic Installation of Hardware and Software (SECSE)	Mr. D B Birnale, Mr. C B Mane, SITCOE, Ichalkaranji	4th Aug. 2015
7.	Basic Network and Security (SECSE)	K. Rajhans, MINT E-Career, Sangli	1st Aug. 2015

"Programming can be fun, so can cryptography; however they should not be combined." – Kreitzberg and Shneiderman

Student Co-ordinator

It's an honor for me to be the Student Editor of Computer Science & Engineering Department Newsletter It's my immense pleasure to publish our Department's Second newsletter I Take this Opportunity to thank my committee members and all staff members of the department for their support in publishing this news letter

Mr. Vishal Sutar

Faculty Co-ordinator

It gives me an immense plesure to publish the second newsletter of Computer Science & Engineering Department for year 2015-16.I am pleased with the student's initiative for publishing this newsletter.I would like to thank Ex.Director Mr.Anil Bagane, Principal Dr. S. A. Khot, all faculty members of department for their support.

Mrs. M. N. Jadhav

Committee Members:-

- ◆ Mr. Pritam Kumbhar (BECSE)
- ◆ Ms. Tejswini Parmaj (BECSE)
- ◆ Ms. Jyoti R.Patil (BECSE)
- ◆ Ms. Shridhar Kanapanavar (TECSE)
- ◆ Mr. Avinash Bhise (SECSE)

National level event PLEXUS 2K15