



## Department of Computer Science & Engineering

Newsletter 2015 - 16 | Volume 1 Issue 2

# 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
- ◆ Activities under CSI Student Branch
- ◆ Student's Achievements
- ◆ Knowledge Based Implementation
- ◆ Entrepreneurship Development Cell
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- ◆ Digitalization
- ◆ Oracle Workforce Development Program (WDP)
- ◆ Satyam Shivam Sundaram



Mr. Venkatesh Shankar  
Assistant Professor & Head  
CSE Dept. SITCOE

I feel very much pleased to publish a second issue of departmental Newsletter. It is carnival of student versatile achievements and various measures which entail proper trade fair in form of news letter to enrich their appetite of composition skills. Present Edition is cherished with manifold events & activities conducted during present semester This newsletter is for all who have made the department's success possible 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.

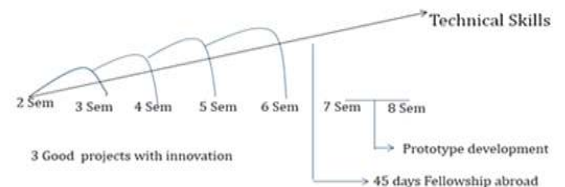
# Project Based Learning

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 conducted by department, is as follows.

## Project Based Learning (PBL)..... Differentiator.....



## Value Added Program

Under the concept of Project Based Learning department offered the Value Added Program On 'Core Java'. Total 51 Students are participated and successfully completed the course of 6 days, along with course students also completed 13 allocated projects successfully are as follows.

- Restaurant Reservation
- School Management System
- Activity Management System
- Payroll System (1)
- College Management System (1)
- Customer Enquiry Management System
- Activity Management System
- Real Estate Management System
- Barcode generation and System
- Real Estate Management System(2)
- Restaurant Reservation System
- College Management System(2)
- Payroll System(2)



## Activity Slot

For enhancing the soft skills the institute started the activities for 2 hours in a week.

- Group Discussion (For SE Students)
- Presentation Skills (For TE Students)

## UG Fellowship

CTIF-SITCOE Network has tie-up with European Universities for Undergraduate Fellowship for Students. This year our students are going to Technical University of Sofia, Bulgaria in the month of June for 45 Days. The students of CSE are actively participating in UG Fellowship Program.



# Industry Interaction

## 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
Cyber Surksha Lab	Arya Technologies, Kolhapur	Networking Tools, Wire Shark, N-Map Etc.
Design And Innovation Center	Autodesk, Inc, USA	Education Licenses Of Autodesk Software/Products



## Industrial Visits

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.	Janata Sahakari Bank Ltd. Jaysingpur	09/02/2016
2.	tCognition Pvt. Ltd. Kolhapur	23/02/2016

## Industry Sponsored Projects

For the academic year 2015-16 the students of final year worked with industry sponsored projects,

1. Information System Audit

Sponsored by ARYA Technology, Kolhapur

2. Web Crawler

Sponsored by e-zeist, Pune

## Activities under 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. Under the CSI chapter Department conducted following activities.



Sr.No.	Event	Date
1.	CSI Student Branch Inauguration	16th January 2016
2.	Two days workshop on "HIBERNATE & SPRING" sponsored by CSI	16th & 17th January 2016
3.	Two days workshop on "FOSS TECHNOLOGIES" sponsored by CSI, Faculty	2nd & 3rd March, 2016
4.	Two days workshop on "FOSS TECHNOLOGIES" sponsored by CSI, Students	4th & 5th March, 2016



## Student's Achievements

### Academic Toppers

Sr.No.	Name	Class	Percentage
1.	Shivani R. Koli	SE CSE	72.20%
2.	Vinit N. Shah	TE CSE	74.87%
3.	Nishigandha L. Patil	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.

- Indrajit Patil got Second prize in the event AAVISHKAR 2k16, Code-Trix, held at Gov. College of Engineering, Karad 23rd Feb.,2016.
- Indrajit Patil got Second prize in the event INNOVATION 2K16, Finger Fast, held at SITCOE,Yadarv on 29th Feb.,2016.
- Maya Bhatale DKTE , As trainer PHP DESING Sat, 27/01/2016
- Mr.Vinit N.Shah got a Second Prize in a SEED IT IDOL competition held in Shivaji University, Kolhapur at
- Ms.Amruta Kuntoji got a prize under Lead college Group Discussion Activity at DYPCOE, Kolhapur Group Discussion activity



- Mr. Saif Ali Terdale, Mr. Vishal V Sutar, Mr Swanand Shinge, Mr Pritam Kumbhar, Mr Shreyas Kulakarni Presented & Published International Level Paper on "Smart Proctor System" in
- Ms. Vishvanjali Vasagade, Mr. Kedar Relekar, Ms. Gayatri Uparate, Ms. Tejaswini Parmaj got First prize in INNOVATION 2K16 in the event Project Competition held at SITCOE, Yadrav on 29th Feb., 2016.
- Mr. Devendra Dubey, Mr. Pritam Alugade, Mr. Shridhar Patukale, Mr. Sushant Admane got Second prize in INNOVATION 2K16 in the event Project Competition held at SITCOE, Yadrav on 29th Feb., 2016.

## Knowledge Based Implementation

### BE PROJECTS

The Department of Computer Science & Engineering always work with Real Time environment. The List of Projects completed 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 recognition

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



## Entrepreneurship Development Cell

To create entrepreneurial culture in academic institutions to foster 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.....

- Startup India Standup India



## 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,

### Tree Plantation

We cannot think of our existence without trees. The trees are extremely important and have always been needed for developing the human condition and lifestyle. "Save Trees to Save Life". The Department of CSE always participated in the Tree Plantation activity.



## 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.	Hands-on skill on Routers and Switches (SECSE)	Mr. Tousif Jamadar, Sr. Network Engineer, Sunguard Availability Services, Pune	27th Feb. 2016
2.	Introduction to workforce development Program (WDP) of Oracle (TECSE)	Mr. Bikram Das, Oracle, Mumbai.	5th Feb. 2016



## 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 1st March 2016



## 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 3rd February Ms. Supriya K. Galande & Mr. Shantinath M. Patil (Working in Syntel Pvt. Ltd. Chennai) alumni of CSE department engaged a session for BECE students on advanced technologies in IT. Also number of alumni regularly 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. M. D. Jamadar" Automatic brain tumor detection using symmetry information" in IRJCS.
- Mr. R. M. Patil Presented & Published Paper on "Authentication Image over wireless channels" in National Conference on Advancements in Computer & Information Technology with ISBN: 978-93-5258-291-4.
- Mr. R. M. Patil Presented & Published International Paper on "Smart Proctor System" in IJARSE

### 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.
	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Mr. B. J. Gorad	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Ms. P. A. Bagane	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Mr. N. P. Jadhav	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Mr. S. Gurav	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Mr. O. D. Joshi	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Mrs. M. N. Jadhav	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Mr. M. D. Jilan	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE, Yadrav
Mr. A. H. Pudale	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE, Yadrav
Mr. R. D. Ghorpade	Attended two days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Mr. U. M. Mulani	Attended two days workshop on "FOSS TECHNOLOGIES" organized by SITCOE
Ms. S. B. Ghatte	Attended 2 days workshop on "FOSS TECHNOLOGIES" organized by SITCOE, Yadrav.
	Attended 2 days workshop on "HIBERNATE & SPRING" at SITCOE, Yadrav.

# Digitalization

## Smart Proctor

Proctor system is one of the best practice of our institute. The students of BECSE converted this manual practice into a smart proctor system. It is an android based application works with different modules of proctor system like attendance ,report generation , online suggestions, notification to parents etc.CSE Department works with this digitalization.



## Smart Classroom

To enhance teaching and learning the department of CSE works with the concept of smart classroom.

Objectives of the programme

- To enrich the lesson planning and in-class experiences of teachers.
- To engage students by making learning fun.
- To enhance students' classroom experiences by diversifying learning activities.
- To improve student learning outcomes, both subject-specific and in a broader context.



## Digital Library

Department of CSE having a digital library it is a collection of digital objects that can include text, visual material, audio material, video material, stored as electronic media, along with means for organizing, storing, and retrieving the files and media.



## Intranet Services

Moodle Server

Online SIT Portal

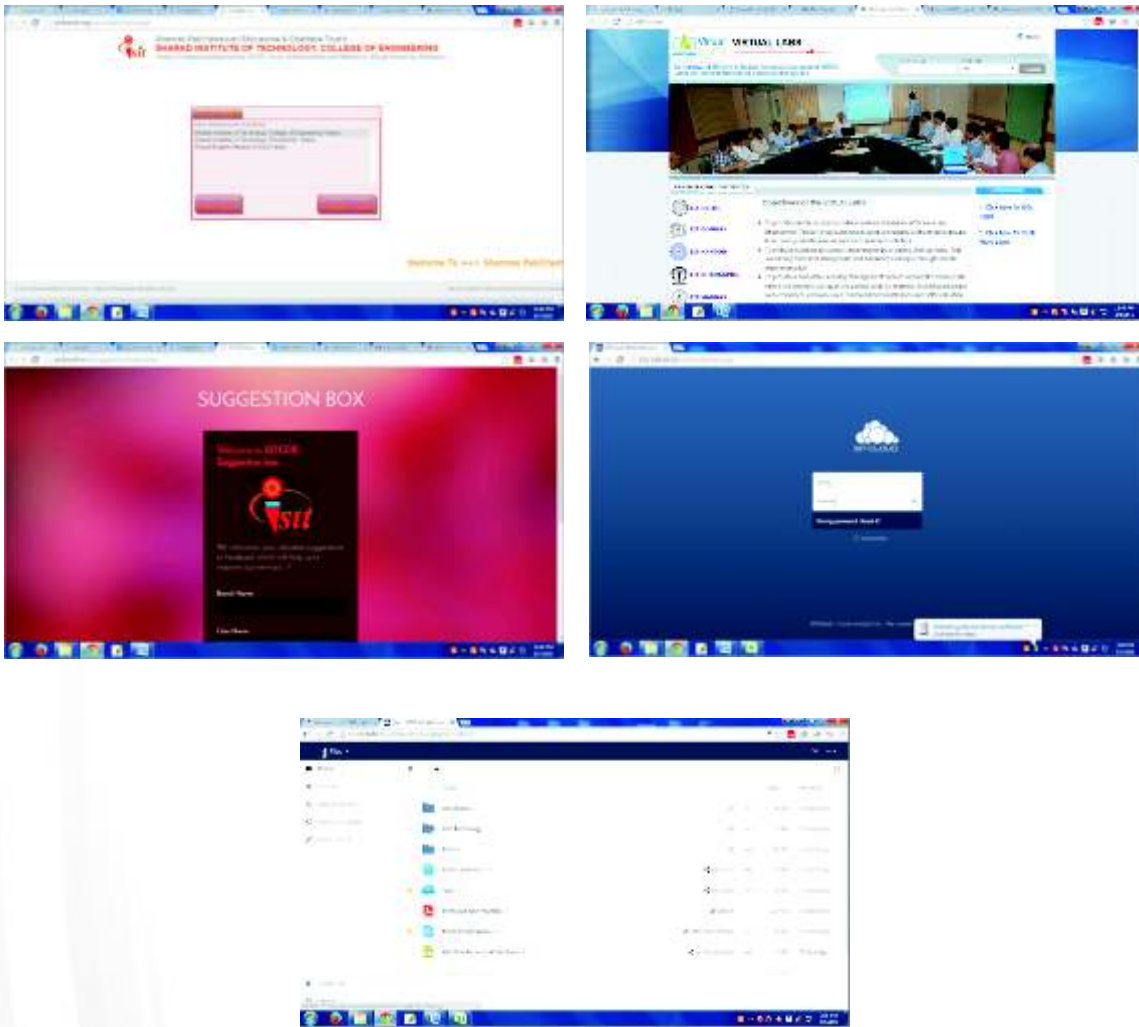
Online Suggestion Box

Vitual Labs

SITCOE Cloud Server







## Oracle (WDP) =

**ORACLE** WORKFORCE DEVELOPMENT PROGRAM

Oracle technology is everywhere and will continue to grow. Learning Oracle will position us for success with the ever-growing number of organizations who are adopting Oracle technologies. Oracle's Workforce Development (WDP) program enables educational institutions to offer authorized Oracle training content as a part of existing certificate, diploma, and degree programs. Enrolling in Oracle courses will provide :

- High quality course content that is developed by the Oracle product teams and based on real-world customer implementations.
- Comprehensive, lab-based, hands-on practice with Oracle software & hardware.
- Discounted pricing for training through your educational institution
- access of 100 license software's includes Oracle Database, Primevera , Embedded Solutions, Big Data etc.

Oracle WDP can really give the boost which is need in career by helping a stand out and show dedication in career development.



## 'Satya' Nadella

Satya Narayana Nadella (born August 19, 1967) is an India-born American business executive. He is the current chief executive officer (CEO) of Microsoft. He was appointed as CEO on 4 February 2014, succeeding Steve Ballmer. Before becoming CEO of Microsoft, he was Executive Vice President of Microsoft's Cloud and Enterprise group, responsible for building and running the company's Computing Platforms, Developer Tools and Cloud Computing Services. Nadella worked with Sun Microsystems as a member of its technology staff prior to joining Microsoft in 1992. At Microsoft Nadella has led major projects including the company's move to cloud computing and the development of one of the largest cloud infrastructures in the world. Nadella's 2013 base salary was nearly \$700,000, for a total compensation, with stock bonuses, of \$7.6 million.

Previous positions held by Nadella include:

- President of the Server & Tools Division (9 February 2011 – February 2014)
- Senior Vice-President of Research and Development for the Online Services Division (March 2007 – February 2011)
- Vice-President of the Business Division
- Corporate Vice-President of Business Solutions and Search & Advertising Platform Group
- Executive Vice-President of Cloud and Enterprise group



## 'Shiv' Nadar

Shiv Nadar is the Indian business tycoon and pioneer. He is the chairperson and chief strategy officer at HCL technologies, a global IT service company, with its head quarters in Noida, India. He is the only Indian to establish computer systems industry in India. He's one of India's richest person and a Forbes billionaire with a net worth of US \$14.8 billion dollars. He founded HCL technologies in mid 1970's and transformed the IT hardware company to an IT enterprise over three decades. In 2008 he was honored with Padambhushana for his efforts in the IT industry. Shiv Nadar was born in 1945, in Tiruchendur, Tamil Nadu. His father was Sivasubramaniya and mother Vamasundari Devi. He completed his graduation from The American College, Madurai and degree in Electrical and Electronics Engineering from PSG college of Technology. He started his career at Walchand Group's Cooper Engineering in Pune in 1967. He started HCL later in 1976 with an initial investment of Rs. 187,000 from six founders. The company enjoyed unexpected gains when companies like IBM left the country because of the policies incorporated by the then Industrial Minister George Fernandes, providing Shiv Nadar with a wide market space for his microcomputer in India. In 1980, HCL ventured into the international market with the opening of Far East Computers in Singapore to sell IT hardware. The venture reported Rs 1 million revenue in the first year and continued to address the Singapore operation. Nadar remained the largest shareholder without retaining any management control.

Awards won by Shiv Nadar:

- In 1995 he became the Dataquest IT Man of the year.
- In 2005 he was bestowed with CNBC Business Excellence Award.
- In 2006 received an Honorary Fellowship of All India Management Association-AIMA.
- In 2008 honored by Government Of India with Padambhushana.
- In 2009 he was counted amongst Forbes 48 Heroes of Philanthropy in Asia Pacific.
- In 2010 received Dataquest Lifetime Achievement Award.



## 'Sunder' Pichai

Sundar Pichai is a computer engineer and the current CEO of Google Inc. The technology giant Google, which specializes in Internet-related services and products, underwent a major corporate restructuring in 2015 following which Alphabet Inc was launched as its parent company with co-founders Larry Page as its CEO and Sergey Brin as President. Pichai, who had been serving as Google's head of Products and Engineering, was named the new CEO of Google which is the biggest company under Alphabet Inc. Pichai had joined Google years ago in 2004 as a product manager and led the innovative efforts for several of Google's products including Google Chrome and Chrome OS which went on to become highly successful. Eventually he took over the management of other Google products like Gmail and Google Docs, and rose through the ranks rapidly. Born in Chennai, India, Pichai was bright and creative from a young age. Having received his education from some of the most prestigious institutions in the world, he worked in engineering and product management at Applied Materials and in management consulting at McKinsey & Company before becoming a part of Google. Pichai is well-liked by his colleagues and is dubbed as the "man behind Google's most important products.

- He was born as Pichai Sundararajan on July 12, 1972, in Chennai, Tamil Nadu, India. His father, Regunatha Pichai, worked as an electrical engineer for the British conglomerate GEC and managed a factory that made electrical components. His mother used to be a stenographer before having children. He has one brother.
- He joined Google in 2004. Initially he worked on Google's search toolbar as a part of a small team. The toolbar gave users of Internet Explorer and Firefox easy access to Google search.
- He also worked on other Google products like Google Gears and Google Pack. The success of Google's toolbar gave Pichai the idea that Google should develop its own browser. He discussed his idea with his seniors and faced an objection from then-CEO Eric Schmidt, who thought that developing a browser would be a too expensive affair.
- However, Pichai persevered and convinced the co-founders of Google, Larry Page and Sergey Brin, to launch Google's own browser. Pichai played a pivotal role in the ultimate launch of the browser, Google Chrome, in 2008. Chrome proved to be a great success as it allowed the users to directly access Google's search engine.
- Pichai became an internationally known figure following the phenomenal success of the Chrome which eventually became the No. 1 browser in the world, surpassing competitors such as Internet Explorer and Firefox. The Chrome also paved the way for a series of other important products like Chrome OS, Chromebooks, and Chromecast.
- In 2008, Pichai was promoted to Vice President of product development. In this position he started appearing more often at Google presentations and continued rising up the ranks in Google. By 2012, he had become the Senior Vice President of Chrome and apps.
- In 2013, Andy Rubin, the creator of Android, left to work on a different project. Larry Page then made Pichai in-charge of Android as well. His influence continued to increase and he was made the Product Chief in October 2014.
- In 2015, Google formed a company, Alphabet Inc., to serve as a holding company and conglomerate to own the subsidiaries that were previously owned by Google, including a new "slimmed down" version of Google itself. On 10 August 2015, Sundar Pichai was named the new CEO of Google.
- In February 2016, he was awarded 273,328 shares of Google's holding company Alphabet, which led to a rise in his net worth. These shares were worth \$199 million, and this took his holdings up to \$650 million.





Mr. Vishal Sutar

## 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.



Mrs. M. N. Jadhav

## Faculty Co-ordinator

We feel very much pleased to publish department second newsletter 'Cloud Point'. It's an honor for me to highlight the achievements and efforts taken by the department. I would like to thank our Ex. Director, Principle, Staff Member and students for that valuable support & encouragement. 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.

### Committee Members:-

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

