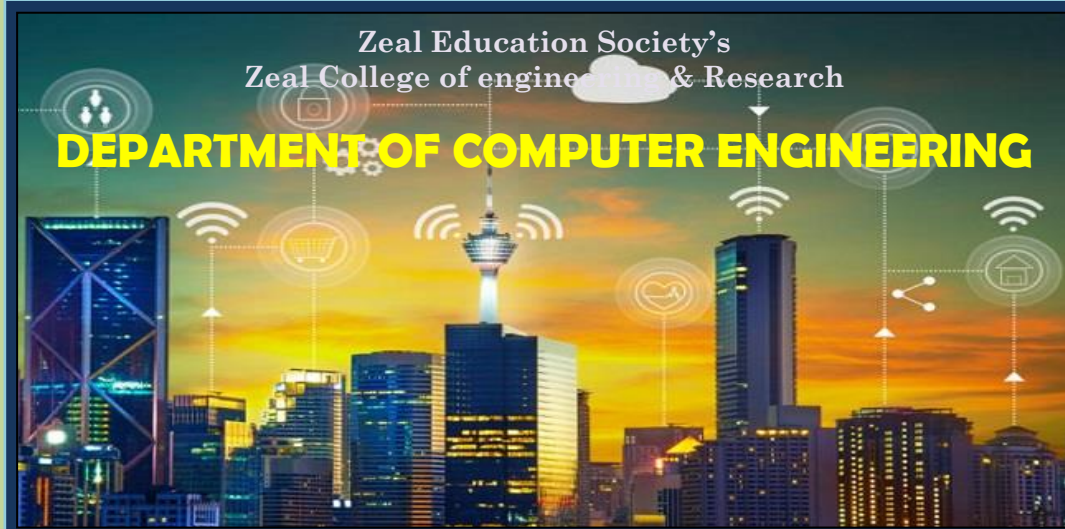


# COMP@CT

Volume No. IV Issue II, May 2020



## Vision & Mission of the Department

### ▶ Our Vision is to:

“To emerge as a department of repute in Computer Engineering which produces competent professionals and entrepreneurs to lead technical and betterment of mankind.”

### ▶ Mission of department

- ▶ **M1:** To strengthen the theoretical and practical aspects of the learning process using modern tools and FOSS technologies.
- ▶ **M2:** To endeavor innovative interdisciplinary research and entrepreneurship skills to serve the needs of Industry and Society.
- ▶ **M3:** To enhance industry academia dialog enabling students to inculcate professional skills within them.
- ▶ **M4:** To incorporate social and ethical awareness among the students to make them conscientious professionals.

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## Objectives & Goals

- ▶ Creating the base for research and development for staff and students.
- ▶ Improving the links between educational world and that of industry through continuous interaction at various levels.
- ▶ Going beyond the curriculum in developing aptitudes for employability and life long learning skills.
- ▶ Developing sportsmen spirit and a high degree of morale among the students and encouraging healthy team spirit.



**“ Failure is central to engineering. Every single calculation that an engineer makes is a failure calculation. Successful engineering is all about understanding how things break or fail ”**  
– Henry Petroski

## Program Education Objectives

- ▶ PEO1: Learners will be able to analyze problems from a computational viewpoint, propose algorithmic solutions, and implement them correctly and efficiently
- ▶ PEO2: Learners will provide solutions to challenging problems by applying Computer Engineering theory and principles, as well as fundamentals of computing science and mathematics with the consideration of cost, safety, environmental, social, and human factors.
- ▶ PEO3: Learners will be able to function as a responsible member of society with the willingness to mentor fellow employees and an understanding of the ethical and economic impact of their work in a global context.
- ▶ PEO4: To improve their knowledge and skills through lifelong learning and graduate studies for adapting to rapidly changing work environment and succeed in their careers and/or obtain advanced degrees
- ▶ PEO5: Learners will be able to imply principles and practices of computer engineering to successfully complete hardware and/or software-related engineering projects to meet customer business objectives and/or productively engage in research.

### Publication and Editors Details:

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- Malali Rudra
- Satpute Rutuja

**Faculty Members:**

- Prof. Kolekar S.M.
- Prof. More R.P.

## AICTE sponsored two weeks Faculty Development Program on “Internet of Things, Application Development using Raspberry Pi and Python Programming”

Zeal College of Engineering and Research, Narhe, Pune, is organizing an AICTE sponsored two weeks Faculty Development Program on “Internet of Things, Application Development using Raspberry Pi and Python Programming”. This FDP is organized by the Department of Information Technology, Computer Engineering and Electronics & Telecommunication from 2nd Dec to 13th Dec 2019. 40 participants from various institutes from Maharashtra have participated in the FDP. All participants explored various opportunities and challenges in the areas of IoT and Python



### “R Programming FDP”

The Department of Computer Engineering & Information Technology has organized three days FDP on “R Programming” in association with ICT Academy [9<sup>th</sup> December 2019 to 11<sup>th</sup> December 2019]. FDP inaugural function is done with the presence of chief guest D. Pravin Jain, State Head-Maharashtra, ICT Academy, Mathivanan Balakrishnan, Technical Trainer, Training and Research-IT, Dr. Suresh Shirbahadurkar, Dean Academics & Administration, Dr. Sunil Sangve, HoD of Computer Engineering Department, Dr. Yogesh Gurav, HoD of Information Technology. More than 40 participants from various Institutes have been enrolled for this FDP.



## MOU on Cyber Security

Department of Computer Engineering has signed first MOU between Zeal College of Engineering and Research Pune, Department of Computer Engineering with Centre For Police Research Pune. The objective of MOU is Education, Training, Internship and Live project development. On behalf of CPR Pune Mr. AanandBhoite Sir ( SP Pune), Dr. Sanjay Tungar Sir(Senior PI), whereas from Our College Dr. Suresh Shirbhadrakar ( Dean, Admin & Academic ZCOER), Dr. Sunil Sangve (HOD COMP), Prof.P.D.Kshirsagar (staff co-ordinator) are present.



## Second Year Computer Engineering Syllabus Designing Workshop

Department of Computer Engineering organized One Day Workshop [30<sup>th</sup> January 2020] on Second-year Computer Engineering Syllabus Content Finalization (2019 Course) in association with Board of Studies Computer Engineering SavitribaiPhule Pune University Pune. Faculty members/subject chairman from various colleges participated in this syllabus development workshop.



### ➤ Zensar Technology Training:

The course was conducted by Ms. Asmita Patwe, Zensar Technologies; Pune in the month of June. They discussed the importance of Employee Skill Development in today's field. Our HOD also addressed our students about various skills essential at employee end and if your basic knowledge concerning soft skill is not strong then you cannot be able to face the today's competitive world.

### ➤ Training of Microsoft Certification course in Cross Platform Mobile App Development:

The department of Computer Engineering & IT in joint collaboration organizes Microsoft certification courses for SE and TE Students. For Cross Platform Mobile App Development courses 80+ students were registered. Training on Module of Cross Platform Mobile App Development under Microsoft Imagine Academy was conducted by Mr. Sunil Pal, Microsoft certified trainee, CoreCode InfoTech, New Delhi since from 29<sup>th</sup> January 2020 to 1<sup>st</sup> Feb 2020. The Trainee explained about curriculum designed for certification and practical sessions. The objective of the Training was to enlighten the students with the practical knowledge of mobile app development with mini project. Overall the session was proven to be very inspiring and informative for students coordinated by Prof. Riddhi R. Mirajkar and Prof. Rahul Bhole. Practical session and project guidance was very informative so as to develop own projects.

## Microsoft Certification Course on CPMA



### ➤ Parent Teachers Meet

Parent Teacher's Meeting was organized by the Department of Computer Engineering of Zeal College of Engineering and Research on 15<sup>th</sup> February 2020.

The meeting was commenced with the Sarswati Poojan, honorable dignitaries on the dais have joined the occasion along with parent representatives. Head of the Department Dr. S. M. Sangve sir started his speech with warm welcome and appreciation of parents for attending the Parents Meet. He briefly discussed about the activities and also explained how the department offers the best possible learning environment for the students. He also proudly mentioned about the recent achievement of "World Record" for "Largest Human Depiction of Personage Engraving" on 25<sup>th</sup> Jan, 2020. One of the parent Mr. Kulkarni guided to the parents about upcoming next 5 years computer era about "Quantum computing and Required Resources" and clearly appealed to department for up gradation of curriculum. Prof. VidhyaVasekar guided the parents about concerned office bearers of respective class and proposed the vote of thanks.



## ➤ Shivjayanti

Shivjayanti was celebrated on 19<sup>th</sup> February 2020. Department of Computer Engineering had prepared the replication of forts like Raigad, Shivneri, Panhala... Prof Rahul More coordinated the event with huge participation of students. Zeal college celebrates traditional day on Shivjayanti. The shivjyot was carried from Rareshwar fort to Zeal college campus, Narhe which took almost 9 hours for the journey. Overwhelming response by students and faculty coordinators who worked day and night before the event, to be a grand success.

Excellent work by Prof. Rahul More Sir and Team Procession of Shivaji Maharaj Idol within the campus was headed with traditional dholtasha and proper discipline.



## Faculty Achievements

Faculties of our department also contribute in the achievements of department. They had presented a various Research Papers at National and International level Journals and Conferences. Some of them are registered for PHD.

## ➤ Industrial Visit

Industrial visits (IV) are a part of the curriculum in Engineering Colleges. IV's are arranged by college every year for students with an objective of providing an opportunity to explore different

sectors like IT, manufacturing, services, finance and marketing. Industrial visits help to club theoretical knowledge and practical knowledge. Zeal College of Engineering had organized an IV for Computer Engineering students in February 2020 to GMRT (Giant Metrewave Radio Telescope), Khodad where 130 students had participated. Students got the insight of how the work is carried out at different levels.



➤ **FDP and SDP in association with Spoken Tutorial, IIT Bombay**

Faculty Development Program(FDP, Spoken Tutorial, IIT Bombay)

2 months FDP on C programming in association with Spoken Tutorial, IIT Bombay, was conducted in the month of Nov 2019-Dec 2019. Also, 2 months FDP on C++ programming in association with Spoken Tutorial, IIT Bombay, was conducted in the month of Jan 2020-Feb 2020. FDP on Java was conducted from 5<sup>th</sup> April to 13<sup>th</sup> April 2020. Total 588 faculty participants from various colleges of Maharashtra state appeared for online examination and successfully awarded certificate for FDP on Java in association with Spoken Tutorial, IIT Bombay.

Student Development Program(SDP, Spoken Tutorial, IIT Bombay)

SDP on C and C++ programming for SE(12<sup>th</sup> Feb 2020),TE(14<sup>th</sup> Sept 2019, 5<sup>th</sup> Oct 2019) and BE(31<sup>st</sup> Aug 2019, 14<sup>th</sup> Sept 2019) students of computer engineering was organized in association with Spoken Tutorial, IIT Bombay. Prof. Aniruddha Kshirsagar coordinated throughout the FDP and SDP process.





➤ **One Day Symposium on Cyber Security**

Department of Computer Engineering organized “One Day Symposium on Cyber Security ” in association with The Institution of Engineering & Technology Pune Local Network. We were blessed with the presence of Dr. Sanjay Tungar, Senior Police Inspector Centre for Police Research,Pune ,Mr. Bhushan Pande,Lead Network Pentester, Infosys ,Pune Mr. Amey Tambe, Director,Soft Tech Data securities Pune, Dr. Dayaram Sonwanne, IET Pune LN and Prof. Deepak kshirsagar IET Pune LN. For this event 369 participants had Online registered and 320 participants attended the Symposium.



## **Results 2019-20**

### **SE Topper**

- Chavan Anjali Ajit (9.52)
- Marne Sakshi Shankar (9.48)
- GadhaveRutujaNandakumar(9.44)

### **TE Topper**

- Shivangi Singh (8.78)
- Babar KajalShivaji(8.78)
- UrsalRutik Sanjay (8.69)

### **BE Topper**

- SarolkarAkshadaDilip, RanganiJishnuMansukh(8.95)
- Yamgar Swati Lahu (8.91)
- PatilNitalRavindra (8.82)

**Zeal Education Society**

**Zeal College of Engineering &  
Research (ZCOER)**

**Dr. Ajit M. Kate**

**Principal(ZCOER)**



**ZEAL EDUCATION SOCIETY  
CELEBRATING  
20 YEARS OF EDUCATIONAL EXCELLENCE**

Founder. Hon. Mr. S. M. Katkar



***Chief Editor: Prof. Rohini S. Naik***

*“Shift the ctrl toward us and let’s ‘C’ how we can  
Alt the world”*