

## Vision

To equip women with excellent education in Computer Engineering, enabling them to play significant leadership roles in technology and society



**MKSSS's Cummins  
College of Engineering  
for Women, Pune**

Affiliated to University of Pune | Accredited by National Assessment and Accreditation Council (NAAC)



DEPARTMENT'S

# ECHO

COMPUTER DEPARTMENT

OCTOBER 2015

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## Mission

1. Impart excellent education, necessary skills, training and experimentation capabilities in the field of computer science and engineering.
2. Create a vibrant and an intellectually stimulating environment for students to promote innovative and multidisciplinary real world problem solving.
3. Develop women professionals and imbibe work ethics and leadership skills in them, thereby helping them pursue successful career and contribute to science and technology.
4. Collaborate with industry and other universities to help create competent computer professionals.
5. Strive to fulfill the expectations of all relevant stakeholders.

### Program Educational Objectives (PEOs)

1. To prepare students for academic competence, to be employed as computer professionals, for industry, higher studies, research, entrepreneurship and to significantly contribute to the society at large.
2. To develop students' fundamental knowledge related to mathematics, science, computer science, computer engineering and to make them capable of providing solutions to challenging problems and multidisciplinary problems.
3. To enrich students with soft skills, leadership skills, professional skills and work ethics to make them good computer professionals and role models for future generations.
4. To prepare students capable of self-learning, to have the ability to adapt to changes and to possess the ability to understand the impact of engineering on society and humankind.

## Program Specific Outcomes (PSOs)

1. Graduates capable of working in various domains, solving problems by applying knowledge and skills from Software Development, Networking, Databases, Internet of Things, and Embedded systems.
2. Graduates capable of developing, maintaining software services, software products and embedded systems by applying the entire software development life cycle.
3. Graduates capable of communicating effectively and understand and implement client requirements in various domains with a realistic view of all constraints and sustainability.
4. Graduates capable of pursuing successful careers in industry, higher studies, research, and expected to adapt and contribute to ever-changing and evolving trends.

## CUMMINS FELLOWSHIP PROGRAM-

### PURDUE UNIVERSITY

Ms Harsha Deshmukh and Ms Aishwarya Gupte will join 'Cummins Fellowship Program', at Purdue University in the fall 2016.

## PEAK PERFORMERS

### B.E TOPPERS:

Joshi Ketaki Rajiv– 1173/1500  
Khivasra Pooja Dinesh– 1139/1500

### T.E TOPPERS:

Harsha Vithalrao Deshmukh – 1167/1500  
Mahajan Shweta Dilip– 1133/1500

### S.E TOPPERS:

Gawali Prajakta Jalindar - 1154/1500  
Bile Pradnya Suresh – 1131/1500

## TRAILBLAZERS

### (STUDENTS' CO AND EXTRA

### CURRICULAR ACTIVITIES)

- Harshada Jivane Microsoft Student Partner won the "Women in technology campaign" organized by Microsoft.
- Nikita Borse and Neeta Maitre presented a paper entitled - " Health Care Insurance Fraud Detection : A Data Mining Perspective " in 9th International Conference on Cloud Computing Computer Science and Advances in Information Technology 2015 held in Nagpur on 30th August 2015.
- Shrutika Sirsikar won First Prize in Seminar Presentation titled "Contactless Palm Vein Authentication System " in Innovation 2K15 at Cummins College of Engineering for Women, Pune .
- Shagufta got Selected for Mozfest, London held on 5-6 November 2015 and Leadership Summit, Singapore on 22 January 2016 conferences.
- Harshita Srivastava participated in International Conference on Communication and Computing organized by the Society of Information processing, Bangalore and Alpha College of Engineering, Bangalore on 9th July-11th July,2015.
- Harshita Srivastava is declared as Second Best delegate for the committee HSC in SIMS Mun15 as an integral part of managerial Fest BARCODE 2015 organized by Symbiosis Institute of Management Studies.
- Pooja Daas has secured all India Rank 5 in category 3 in National Creativity Aptitude Test 2015.
- Pooja Daas has cleared Microsoft Technology Associate by scoring 78 percent and is currently a Microsoft Certified Professional which is at International Level.
- Ananya Roy is the Student Ambassadors for the Firefox program.

- Shivani Bhoite is the Football winner of National Level Inter-Engineering Sports Meet SUMMIT'15 which was held in MIT College of Engineering.
- Pradnya Suresh Bile has secured all India Rank 25 in category 2 in National Creativity Aptitude Test 2015.
- Namrata Kulkarni is the winner for Pune Womoz Marathon in 2015.
- The CSI chapter of CCEW organised an orientation session for incoming Computer Department students. Teachers and students of the department encouraged participation in extracurricular activities and made the event a success.
- Abhishikta Bandopadhyay, Kiran Kumari, Niranjana Deshpande, Pratiksha Chandel, Rutuja Hasurkar and Siddhi Jagtap were chosen in the Top 30 teams to participate in the Digital Pune Hackathon 2015 organised by Perisitent Systems Ltd., Sakal Media Group and i4c on 10 October 2015.

## MAXIMUM EXPOSURE

### (Workshops Attended)

- Mrs. Neeta Maitre, Ms. Sayali Dhavalbhakata and Dr. Mrs. Sandhya Arora attended a two day FDP on B.E (Comp Engineering Course) on Computer Laboratory-I on 2nd July 2015 and 3rd July 2015 at G.H.Raisoni Institute of Engg.
- Mrs. Neeta Maitre and Ms.Sarika Huyalkar attended a two day FDP on Advanced Computer Programming on 28th July 2015 and 29th July 2015 at MMCOE, Pune.
- Prof. Sunita Jahirabadkar attended the FDP on " Smart System Design and Applications " of B.E Computer Engg (2012 Course), 17th July 2015 at JSPM Narhe Technical Campus,Pune.
- Prof. Sunita Jahirabadkar, Ms.Vishakha Patil and Mrs.Ritika Bhatt attended the FDP on "Smart System Programming" from 24th July 2015 to 26th July 2015 at STES's Narhe, Pune.
- Mrs. Vaishali Salgar attended the workshop on "Hands-on Training Using SCILAB and OpenCV for Image Processing" from 24th August 2015 to 26th August 2015 at AISSMSIOIT, Pune.
- Ms.Sayali Dhavalbhakata attended a FDP on "Python PSL" from the 29th Sept 2015 to 5th October 2015 at PSL Pune.
- Mr. Mahendra Deore, Mrs.Ritika Bhatt, Mrs.Gitanjali Salunkhe, Mrs. Soniya Bhangde and Mrs. Khushbu Saner attended a two week " ISTE STTP workshop on Technical Communication" from 30th Nov 2015 to 5th

Dec 2015 at SITSRC, Pune.

- Ms. Vishakha Patil attended a FDP on "IOT in Real life : Applications and Project Development" from the 7th Dec 2015 to 11th Dec 2015 at SKNCOE, Pune.
- Mr. Hitendra Khairnar attended a workshop on "To Attain ACM Winter School, Algorithms session" on the 9th December 2015 at PSL, Hinjewadi.
- Mrs. Nilofer Attar, Mrs. Sulkshana Nagpurkar and Mrs. Khushbu Saner attended a FDP on "B.E Computer Engg (2012 Course) on SDMT & CL-III Laboratory" on the 11th Dec 2015 and 12th Dec 2015 at MMCOE.
- Mrs. Meenal Kamlakar, Mrs. Vaishali Salgar and Mr. Harshad Mhaswade attended the NSS Special Winter Camp from 17th Dec 2015 to 23th Dec 2015 at Kalyan Village.

## WORD OF HONOUR

### (Talks arranged)

- Shital S. Barekar, P.G.Date and Varsha S. Pimprale arranged a lecture on "My Two Decades of Riding the Waves of Computing Technology at Intel Corporation (Second Year)" conducted by Dr. Akash Tyagi for Second Year Computer Engineering students on 2 July 2015.
- Sayali Dhavalbhakta, Aditi T. Raste and Dr. Sandhya Arora arranged a lecture on "Democratization of High Performance Computing – My Experiences with Intel Xeon-Phi " conducted by Dr Akash Tyagi for Final Year Computer Engineering students on 3 July 2015.
- Dr . Sunita A. Jahirabadkar arranged a lecture on "Machine Learning - Tools, Techniques and Applications" conducted by Dr. Prachi Joshi for Third Year an Final Year students of Computer Engineering and Information Technology Departments on 24 July 2015.
- Aditi T. Raste and Jaishri Chourasia arranged a lecture on "Alumni Talk on " BE Project -Optgen & CFGLP tool" conducted by Ketaki Joshi (2015 Batch) and Nikita Ramesh (2015 Batch) for ACM -W Members on 15 September 2015.
- Sayali Dhavalbhakta and Aditi T. Raste arranged a lecture on "Object- Oriented Compiler Construction " conducted by Vivek Kulkarni (Persistent Tech.) for BE Computer students on 4th September 2015 .
- Aditi T. Raste, Jaishri Chourasia, Gitanjali S. Salunkhe, Sushile S. Shelke and Khusboo C. Saner arranged a talk on

"Theory of computation" conducted by Vivek Kulkarni (Persistent Tech.) for Third Year Computer Engineering Students on 16 September 2015 .

- ACM-W Aditi Raste and Jaishri Chourasia arranged a lecture on "Alumni Address" conducted by Sonali Kakde(Avaya Tech.) and Nandini Day(Semantic Tech) for SE Computer Students on 23 September 2015 .

- CSI team members of students and faculty arranged a lecture on "ProjectX" conducted by Mr. Arun Kadikoli for Final Year Computer engineering students.

- A.N.Muchrikar, Dr. Sunita Jahirabadkar and Rakhi A. Dongaonkar conducted a lecture on "Faculty Development Program " for the teaching staff of samstha's BCA College from 29thMay 2015 to 30thMay 2015 at CCOEW, Pune.

## FACULTY PUBLICATIONS

- Mrs. Chayya S. Gosavi published a paper on "Authenticity of Audio Signal Using Image Watermarking" in International Journal of Information Systems, Vo, V, Issue 2, Jan-May 2015, pp 136-139.

- Mrs. Chayya S. Gosavi published a paper on " Video Authentication and Copyright Protection Using Unique Watermark Generation Technique and Singular Value Decomposition" in International Journal of Computer Applications (0975–8887) Volume 123–No.3, August 2015, pp. 1-5.

- Mrs. Chayya S. Gosavi published a paper on " Comparative Performance Analysis of Video Watermarking in DCT, DCT-SVD Domains" in a Conference and published in International Proc. of The Second Intl.Conf. On Advances In Computing, Control And Networking - ACCN, August 2015, pg. 153-157. Copyright © Institute of Research Engineers and Doctors, USA ISBN: 978-1-63248-073-6 doi: 10.15224/ 978-1-63248-073-6-86.

- "Comparative Performance Analysis of Video Watermarking in DCT, DCT-SVD Domains" in International Journal of Artificial Intelligence and Neural Networks– IJAINN Volume 5: Issue 2 [ISSN : 2250-3749] October, 2015 pp 63-67.

## NUMBER CRUNCHING

### (PLACEMENTS)

Many prestigious IT Companies, MNCs and National Companies visited the Computer Department for recruitment. Following are the statistics:

- Total 120 students got placed this year.
- 33 students were placed at Principal financial, 31 at Accenture, 20 at Cybage, 12 at Persistent, 10 at Barclays, 6 at Siemens, 6 at Cisco, 6 at Schneider, 4 at Deloitte, 3 at Barclays, 3 at Oracle, 3 at Infosys, 3 at Capgemini, 2 at Avaya, 2 at Mu Sigma, 2 at Inbetween, 2 at Ericsson, 2 at Wipro, 2 at Nvidia, 1 at Mind Tree, 1 at GE, 1 at Z.S.Associates and 1 at Softlink.

## FACULTY CO-ORDINATORS:

**Mrs. Shubangi Vinayak Tikhe**  
**Mrs. Neeta P. Maitre**  
**Mrs. Sakshi Mandke**

## STUDENT CO-ORDINATORS:

**Devina Dhuri (EDITOR)**  
**Niranjana Deshpande (DESIGNER)**