

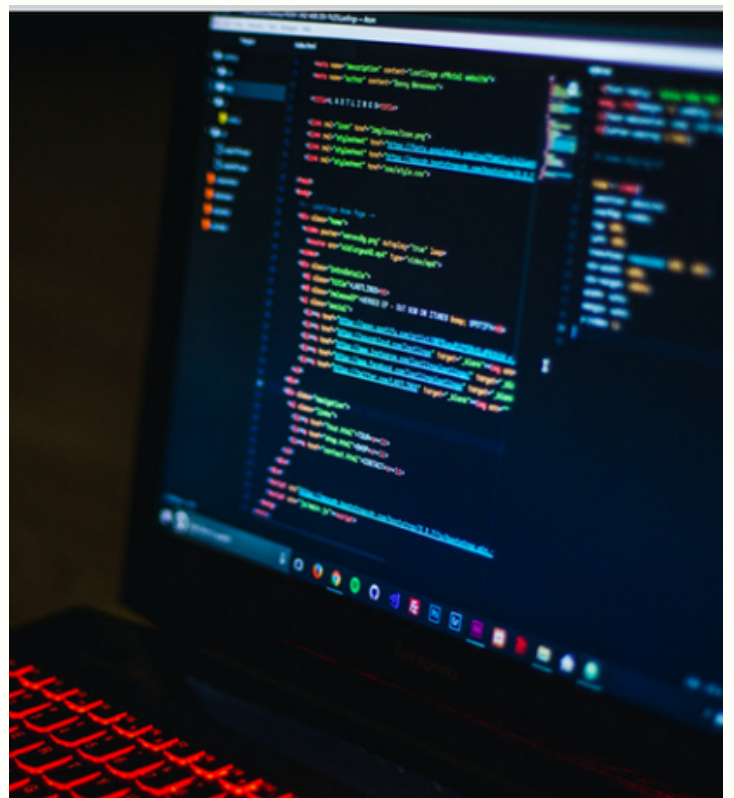


VISION

TO EQUIP WOMEN WITH AN EXCELLENT EDUCATION IN COMPUTER ENGINEERING ENABLING THEM TO PLAY SIGNIFICANT LEADERSHIP ROLES IN TECHNOLOGY AND SOCIETY.

"SOFTWARE IS A GAS; IT EXPANDS TO FILL ITS CONTAINER."

-- NATHAN MYHRVOLD



MISSION

1. Impart excellent education, necessary skills, training, and experimentation capabilities in the field of computer science and engineering.
 2. Create a vibrant and 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 careers 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.
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PROGRAM EDUCATION OBJECTIVES

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.

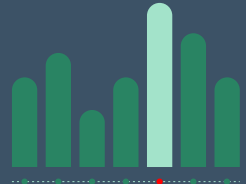
4. To prepare students capable of self learning, to have the ability to adapt to changes, and to possess the ability to understand the impact of engineering on society and humankind

PROGRAM SPECIFIC OUTCOMES

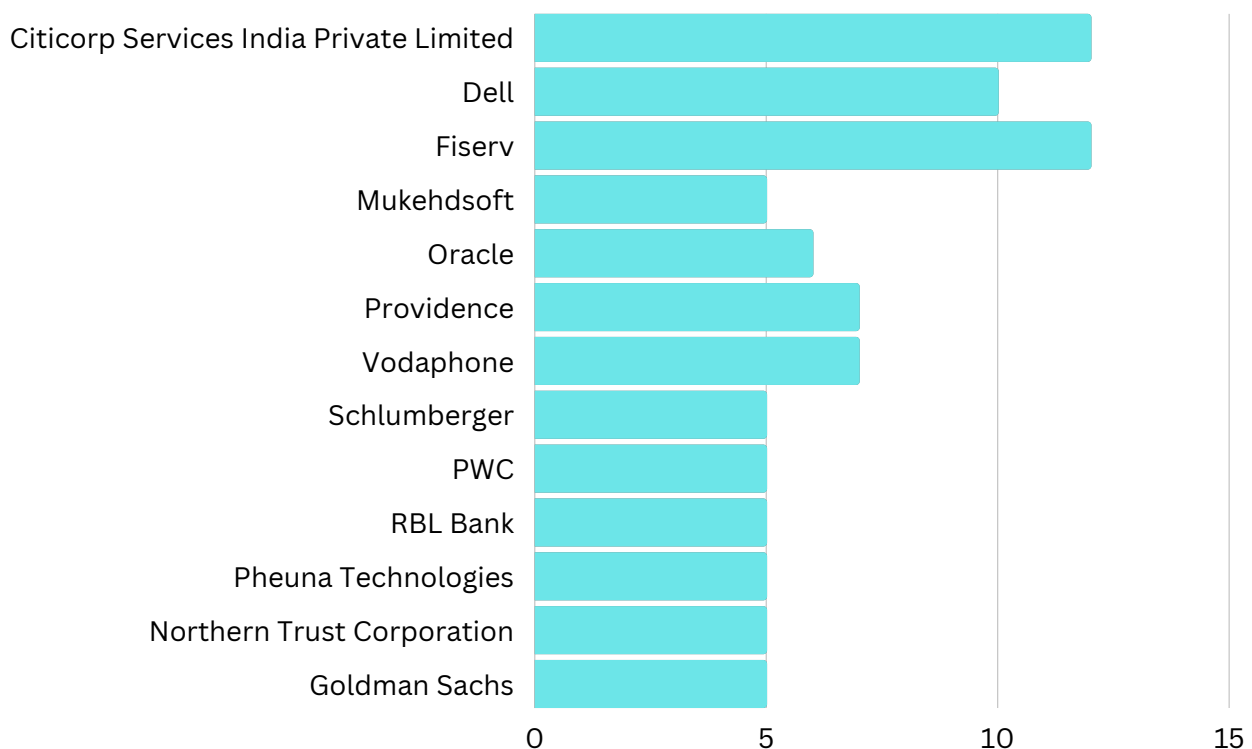
1. Graduates capable of working in various domains, solving problems by applying knowledge and skills from Software Development, Networking, Databases, Internet of Things, and Embedded systems.

2. Graduates capable of developing, maintaining software services, software products, and embedded systems by applying the entire software development life cycle.

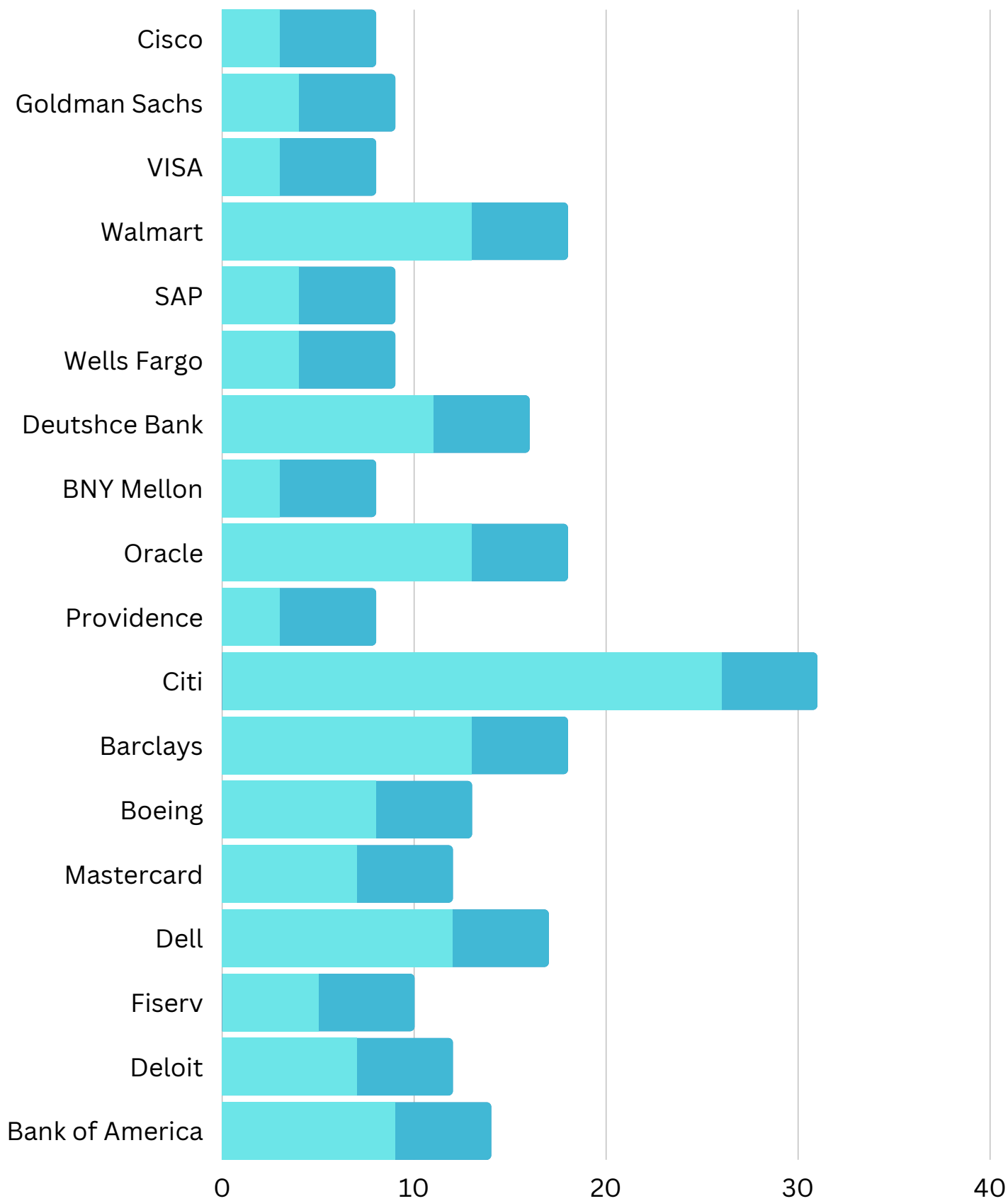
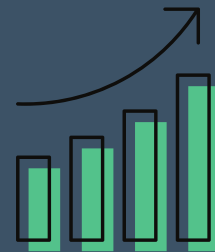
INTERNSHIP DETAILS



- Various multinational companies like Goldman Sachs, Microsoft, Dell, HP, Citi Bank, UBS, Barclays, MasterCard offer internships to third year students. Students also preferred to work in start-ups to get more specific technological exposure.
- For the year 2021-22, 90% students got internships in various companies. Maximum stipend offered was Rs. 1.5 lakhs by DE-shaw.
- Number of students got placement Pre Placement offers by same company - 44.23%
- Below are some of the companies that recruited students in large amounts.



PLACEMENT DETAILS

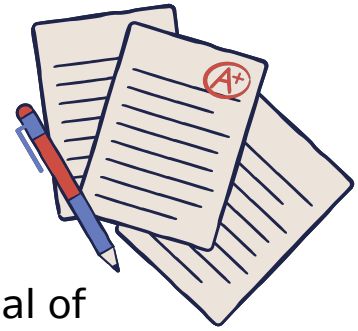


STUDENT ACHIEVEMENTS



Co- Curricular Activities

- Aditree Jaiswal, Prachi Ghalsasi, Aabha Jain, Misha Batra from B.Tech (comp) Published Paper Title “Classification of Handwritten Indic Scripts Using Deep Learning” at 5th WS4 Conference
- Manasi Kokane, Stuti Chopra, Sonali Nagre, Sayali Katre from B. Tech (comp) Published Paper Title “ Social Distancing and face mask detection using Yolov4 and CNN” at International Research Journal of Engineering and Technology (IRJET)
- Manasi Kasande, Rashmi Deshmukh, Disha Choudhari, Parul Sharma, Tanishka Patel from B.Tech(comp) presented Paper Titled “Comparative Analysis Of CNN And RNN Techniques For Deepfake Video Detection” at GRENZE International Journal of Engineering and Technology.
- Aditi Joshi, Ananya Tulpule, Vallari Rajurkar, Irawati Edlabadkar from B.Tech (Comp) has won 3rd Prize in Other category for their project at Concepts2022 at PICT
- Aditi Joshi, Ananya Tulpule, Vallari Rajurkar, Irawati Edlabadkar from B.Tech (Comp) has won Consolation prize at Tech-Srujan at CCOEW for their project
- Ananya Garde, Bhagyashri Sangtani, Siddhi Gandhle, Rutuja Dharankar from B.Tech (Comp) has won 1st Prize at Tech-Srujan at CCOEW for their project
- Isha Bakre, Ishita Dabhade, Anjali Dagadkhair, Tanvi Karale from B.Tech (Comp) has won Kedar Tumne Award for their project



STUDENT ACHIEVEMENTS



Extra- Curricular Activities

- Shtruti Bhilave from B.Tech (comp) is member of Basketball winning team got cash prize of Rs. 18000/- at MIT-Summit basketball at MIT pune
- Sanjana Date from B.Tech (comp) is member of Basketball winning team at MIT-Summit basketball at MIT pune
- Mruga Gokhale from B.Tech (comp) won gold medal for badminton at MIT-summit at MIT pune
- Sanjana Date from B.Tech (comp) is member of Basketball winning team won interuniversity tournament at Pune city zonal sports
- Manasi Kasande from B.Tech(comp) is member of Cricket team won 3 rd place at university level at SPPU
- Shambhavi Joshi from B.Tech(comp) Won उत्तेजनार्थ दिग्दर्शन पारितोषिक at Purushottam Karandak



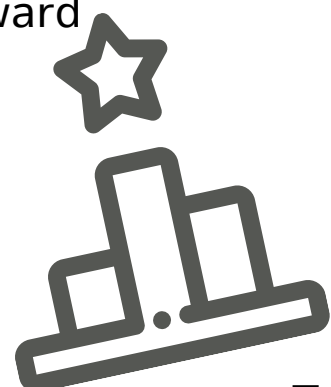
STUDENT ACHIEVEMENTS



- Sneha Naik from Second Year B.Tech(Computer Engineering) received recognition as Beta - Student Ambassador at International Level from Microsoft on 14 January 2022.
- Janhavi Patil from Second Year B.Tech(Computer Engineering) secured 4th prize in IBM hackathon in Innovation Techfest organized by Cuumins College of Engineering for Women on 9th April 2022.
- Khushi Gosavi from Second Year B.Tech (Computer Engineering) received 3rd Prize in Women chess Inter collegiate (SPPU) competition organized by Manghanmal Udharam College of Commerce(MUCC), Pimpri in January 2022.
- Ananya Joshi IPTSE (Intellectual Property Talent Search Examination) received All India Rank 1 in National IPETHICON(An Educational Academy) Pvt Ltd focusing on IP(Intellectual Property). ,Raritan, New Jersey, United States.

Best Outgoing Student

- Sai Ghule was awarded the Best Outgoing Student award



FACULTY ACHIEVEMENTS



- Prof Pranjali Deshpande was awarded with "Best Innovation Award 2021-22" in the 73rd foundation day function of SPPU" on 10th Feb 2022 in Pune.
- Dr.Sunita Jahirabadkar was awarded with "Awards initiated by IP Conclave and IPTSE for 2022 IP recognition award" on 19th April 2022 at New Delhi.
- Mr Hitendra Khairnar was awarded with "Certificate of appreciation for translating the files of the course "Computational Thinking" offered by IITM" on 23th Mar 2022 at NPTEL.



FACULTY

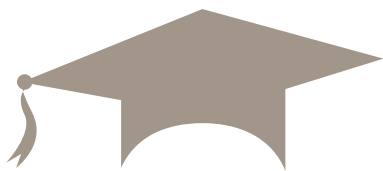


Patent Granted



Dr. Chhaya Gosavi was awarded with "Patent granted for an invention entitled "System for Piracy Detection and Method therefor" application for the term of 20 years from the 2nd day of February 2015 in accordance with provisions of the Patent Act 1970" on 25th April 2022 at Intellectual Property of India Patent Office.

PHD Completion



Dr. Deore Mahendra Prabhakar completed his Ph.D. on June 08, 2022. Research title: "Design and Development of Algorithms for Big Data Classification" , from SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED.



Paper Publication

1. Dr. Sheetal Barekar published a paper "Creation of Knowledge graph for client complaint management system" at 6th International Conference on Data Management, Analytics & Innovation published in "Lecture notes on Data Engineering and communication technologies" (LNDECT, vol 70) held during 15-17 Jan 2021. (vol 70 SCOPUS)

2. Mrs. Ashwini Rajurkar published a paper "Comparative study of Real Time video segmentation techniques for video processing" at AICTE sponsored National conference on Multidisciplinary Research and Innovations NCMRAI-21, Sipna College of Engineering and Technology, Amravati held during 28-29th Jan 2022.

3. Mrs. Sushila Shelke published a paper "Rumor detection in social networks based on user, content and lexical features." at Multimedia Tools and Applications (2022): pp 1-22 held during 7th March 2022. (SCIE, SCOPUS and UGC care journal Published online)

4. Dr. Shubhangi Tikhe published a paper "Simulating the cognitive thought process with a modified genetic algorithm" at International Conference on Artificial Intelligence and Machine Vision held during 2021. (pp.1-5 SCOPUS)

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5. Mrs Pranjali Deshpande and Dr. Sunita Jahirabadkar published a paper "A Survey on Statistical Approaches for Abstractive Summarization of Low Resource Language Documents" at Smart Trends in Computing and Communications Proceedings of SmartCom 2021 : Springer Fifth International Conference on Smart Trends in Computing and Communications (SmartCom 2021) Las Vegas, Nevada- United States held during 2021. (scopus)

6. Mr.Hitendra Khairnar, Dr.Chhaya Gosavi and Dr.Mahendra Deore published a paper "A Comparative Analysis of traditional and electronics learning systems and their applications" at 'National Conference on Pedagogy for Higher Education [NCPHE-2022]' at CCEW, Pune held during 25th June 2022.

7. Dr.Anjali Naik, Dr.Madhuri Tasgaonkar, Mrs.Vaishali Salgar, Mrs.Varsha Pimprale, Mrs.Sanjivani Mane.Dr.Chhaya Gosavi and Dr.Shubhangi Tikhe published a paper "Course outcome based cooperative teaching for engineering student" at 'National Conference on Pedagogy for Higher Education [NCPHE-2022]' at CCEW, Pune held during 25th June 2022.

BOOK PUBLICATIONS



1. Mrs.Varsha Pimprale and Dr.Chhaya Gosavi published a chapter "Disease Prediction System Using Image Processing and Machine Learning in book "Designing User Interfaces With a Data Science Approach, IGI Global Publisher, (Chapter 7)" with "IGI Global Publisher" on March, 2022. (sept-2021 PP. 134-155, ISBN13: 9781799891215, Year of Publication: 2022, DOI: 10.4018/978-1-7998-91 21-5.ch007)

2. Mrs. Pranjali Deshpande and Dr. Sunita Jahirabadkar published a chapter "Low Resource Language Document Summarization: A challenge" in Book "Data Science Techniques and Intelligent Applications" with "CRC Press Taylor and Francis" on Jan 2022. (eBook ISBN 9781032254494)

3. Mrs.Chhaya Santosh Gosavi published a chapter "Social Network Mining, Analysis, and Research Trends: A Case Study" in Book Name: "Designing User Interfaces With a Data Science Approach, IGI Global Publisher, (Chapter 10)" with IGI Global Publisher on March, 2022. (PP. 210-226, ISBN13: 9781799891215, Year of Publication: 2022, DOI: 10.4018/978-1-7998-91 21-5.ch010)

BOOK PUBLICATIONS

4. Mrs.Chhaya Santosh Gosavi published a chapter "Designing User Interfaces With a Data Science Approach" with IGI Global Publisher on March, 2022, Copyright: © 2022, Pages: 325. (DOI: 10.4018/978-1-7998-9121-5, ISBN 13: 9781799891215|ISBN10 : 1799891216|EISBN13: 9781799891239|ISBN13 Softcover: 9781799891222)



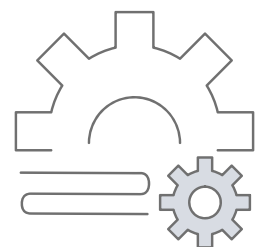
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Workshops Arranged

- 1. Dr. Sandhya Arora and Dr Anjali Naik arranged 6 days national workshop on " Deep Learning " held during 14-19 march 2022. Dr Madhuri Prasad Tasgaokar, Dr Bhushan Garware (Senior Architect, Data Practice, Persistent), Dr Rahee Walembe, Prof Jyoti Raghatwan and Dr. Manasi Patwardhan were there as expert lecturers.

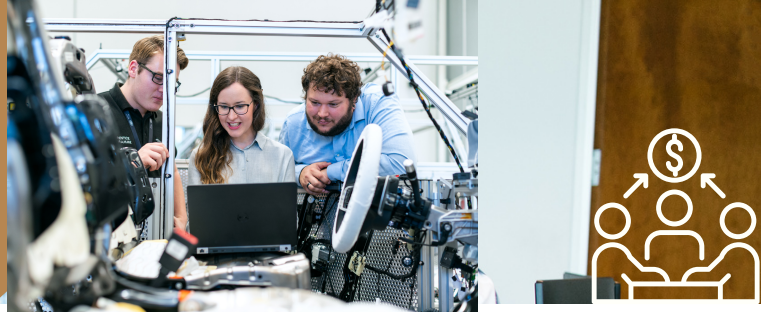
Workshops Attended

- Mrs.Varsha Pimprale, Dr Madhuri Tasgaonkar, Dr. Chhaya Gosavi, Dr. Shubhangi Tikhe, Mrs. Nutan Deshmukh, Mr. Hitendra Khairnar, Mrs. Sakshi mandke, Mr. Saurabh P.Mengale , Mrs.Simantinee Vinit Kulkarni, Mrs. Meenal Kamlakar and Mr Prakash Date attended workshop held during 03 Jan 2022 to 07 Jan 2022, for 1 week. [PRACTICAL PERSPECTIVE ON DECISION MAKING EDUCATION]
- Dr. Neeta Maitre. and Mrs. Vaishali Salgar attended workshop held during 03 Jan 2022 to 07 Jan 2022, for 1 week. [Leadership and Excellence: A need in the era of Disruptive Transformation]



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Workshops Attended



- Mrs. Aparna Hajare attended workshop held during 24 Jan 2022 to 28 Jan 2022 which was organized by INDIAN INSTITUTE OF PLANTATION MANAGEMENT BENGALURU for 1 week. [ATAL Online FDP on "FDP on Artificial Intelligence and Blockchain Application for Food Agriculture Sector"]
- Dr Madhuri Tasgaonkar attended workshop held during 07 Feb 2022 to 11 Feb 2022 which was organized by Central University of Tamil Nadu for 1 week.
[Data Analysis Using Econometric Models]
- Mrs.Nutan Deshmukh and Dr. Sandhya Arora attended workshop on Virtual Faculty Development Program on "Blockchain Technologies" held during 18 Apr 2022 to 23 Apr 2022 which was organized by MIT-WPU for 1 week. [Five days]
- Dr.Madhuri Tasgaonkar attended workshop on "Medical Image Analysis using Artificial Intelligence" which was organized by "Center For Medical Imaging Studies (CMIS) " with SERB Funded 5-Day National E-workshop.
- Mrs Rita Patil and Mrs. Priya Deokar attended Lecture Series on on "Foundations of cryptography" organized by CCOEW,Pune held during 20 Jun 2022, for 1 day.
[Impact Lecture Series - Session 1, lecture 1 and lecture 2 on IPR]



TECH - SRUJAN

State Level Project Competition

- The Department of **Computer Engineering** and CSI student branch of MKSSS's Cummins College of Engineering for Women had organized a Offline State level Project Competition " TECH-SRUJAN" on 29th April 2022 for Engineering Colleges in Maharashtra.
- The competition took place offline at Cummins College campus, Karvenagar, Pune. Final Year Engineering (Computer and IT) students were eligible to participate in this competition.
- 15 judges from industry evaluated these projects. 58 groups participated from all over Maharashtra from colleges. Registration fee was Rs 300 per group.

The poster is for the TECH-SRUJAN State Level Project Competition, held offline on April 29, 2022. It is organized by the Department of Computer Engineering at MKSSS's Cummins College of Engineering for Women, Pune, in association with the Computer Society of India (CSI) CCEW Student Branch. The competition is open to final year engineering students in Computer and IT. Prizes are offered for the top three teams: 10K for #1, 7K for #2, and 5K for #3. The registration fee is Rs 300 per team. The poster includes logos for the organizing institutions and a QR code for registration. Contact information for Sai Ghule and M. Kamlakar is provided, along with the registration deadline of April 26, 2022, and the venue at the college campus in Karvenagar, Pune.

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

Department of Computer Engineering
In association with
Computer Society of India
CCEW Student Branch

Presents

TECH-SRUJAN

State Level Project Competition

(Offline Mode)

Eligibility: Final Year Engineering - Computer / IT
29 APRIL 2022

★ **Prizes** ★

10K #1
7K #2
5K #3

Registration Fees: Rs 300 per team

Contact -
Sai Ghule : 7758073590
M.Kamlakar : 9423500100

Registrations Open upto - 26 April 2022
Venue : Computer Engg. Department,
Cummins College of Engineering for
Women, Karvenagar Pune.

* Please read Payment details and rules for project competition given in the registration form.

TECH - SRUJAN

State Level Project Competition

1. **First prize** of Rs 10,000 was awarded to a project group of the computer department of the Cummins College of Engineering.
2. **Second prize** of Rs 7000 was awarded to a project group of the IT department of the Cummins College of Engineering.
3. **Third prize** of Rs 5000 was awarded to a project group of the computer department of the PICT College of Engineering.

A consolation prize of Rs. 2500 was given to a project group of the computer department of the Cummins College of Engineering.



Expert Lectures

1. Expert lecture by on "Testing verification and validation " was conducted on 3 May 2022 for Third Year Comp Students (50) arranged by Dr. Anjali Naik.



2. Expert lecture by Mr. Rajesh M Joshi, Capgemini on "Software testing and Quality assurance " was conducted on 5 March 2022 for Third Year Comp Students (54) arranged by Dr. Anjali Naik.

3. Expert lecture by Dr. Abhijat Vichare on "Regular languages and Pumping Lemma " was conducted on 23 March 2022 for Third Year Comp Students (234) arranged by Dr. S.V. Tikhe, Mr. Hitendra Khairnar and Prof. Ashwini Rajurkar.

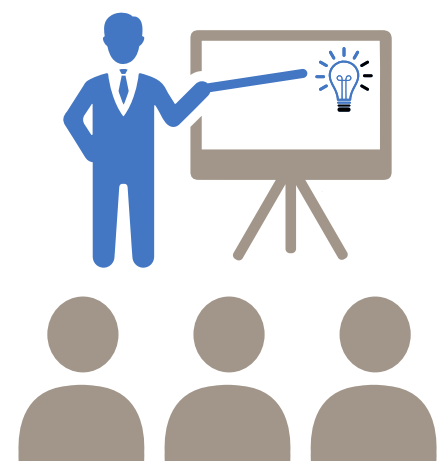
4. Expert lecture by Mr. Mahesh Pavaskar on "Application of Theory of Computation in industry " was conducted on 13 April 2022 for Second Year and Third Year Comp Students (327) arranged by Prof. Pooja Deshmukh, Prof. Aparna Hajare, Prof. Sushila Shelke.

5. Expert lecture by Dr. Abhijat Vichare on "Recursively enumerable languages, Diagonalization Language, undecidability of universal language" was conducted on 22 April 2022 for Third Year Comp Students (234) arranged by Dr. S.V. Tikhe, Mr. Hitendra Khairnar and Prof. Ashwini Rajurkar.

Expert Lectures

6. Expert lecture by Dr. Abhijat Vichare on "File System" was conducted on 22, 26 and 28 April 2022 for Second Year Comp Students (224) arranged by Dr. Chhaya Gosavi , Prof. Vaishali Salgar and Prof. Meenal Kamlakar.

7. Expert lecture by Mr. Manish Ratnakar on "Network Information Security (NIS)" was conducted on 11 and 12 April 2022 for Third Year Computer Students(153).



CSI ACTIVITIES

AY - 2021-22



1. **Hands-On Workshop on Machine Learning using Matlab**, was conducted by Mr. Pranav Lad and Mr. Suraj Gawande from Application Engineering Team at MathWorks in collaboration with CCOEW Pune, CSI, and ISA Student Branch, Mathworks, and DesignTech. 46 participants participated in this workshop held from 23 November 2021 - 27 November 2021.
2. Webinar on "Extending Presence" was conducted by Dr. Nikhil Deshpande on 12 February 2022, with participation of 64 students.
3. **Quiz Competition** was conducted on 24 March 2022, with a participation of 34 teams.
4. Cyber security workshop was conducted by Mr. Pratik Jadhav, from 28 March 2022 - 30 March 2022, with a participation of 30 students.
5. **Offline State-level Project Competition " TECH-SRUJAN"** was conducted by Department of Computer Engineering, on 29 April 2022, with a participation of 58 groups consisting of total 210 students.



ACM ACTIVITIES

AY - 2021-22



1. **National workshop on “deep learning using python”** was conducted from 14 march-19 march 2022, by ACM-W CCEW Chapter, Dr. Madhuri Tasgoankar, Mr. Bhushan Garware, Dr. Rahee walembee and Mrs. Jyoti raghatwan. The workshop engaged a participation of 105 faculty and students from India.

2. ACMW Distinguished Speaker Program was conducted on 7 May 2022 , by Dr. Rizwan Ahmed, CTO, DelaPlex Independent Cybersecurity, Digital & Mobile Forensic Consultant. The workshop engaged a participation of 40 students from India.

Faculty Co-ordinator:

Mrs. Sakshi S. Mandke

Dr. Shubhangi V. Tikhe

Designing & Editing Team:

Ms. Aishwarya Patankar

Ms. Disha Nikte

Ms. Shruti Shende

Ms. Sonakshi Goyal

Ms. Akshada Malpure

