

OCTOBER-DECEMBER 2021

**PUNE INSTITUTE OF COMPUTER
TECHNOLOGY**

DEPARTMENT OF COMPUTER ENGINEERING



Vision

Achieve academic excellence through education in computing to create intellectual and professional manpower to explore higher educational, research, and social opportunities.

Mission

To impart learning by educating students with conceptual knowledge, hands on practices using modern tools and free and open source software, competency skills, and social awareness thereby igniting the young minds for innovative thinking, professional expertise and research.

Message from Department Chair

“I am delighted to present newsletter a collection of amazing contributions from the faculties and students of computer engineering department. I feel it is a chance to thank all the contributors who directly or indirectly helped in the publication.”

Dr. M. S. Takalikar, Head – Department of Computer Engineering

Message from Editor’s Desk

“Presenting to the readers and making the work of faculties and students reflect in the newsletter was really a wonderful task and on behalf of our team we present to you this wonderful ride of talent, achievements and joy.”

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Editorial Team

Prof. P. A. Jain

Prof. K. Gangrade

Prof. A. A. Chandavale

Training & Placements/Internships

Placements

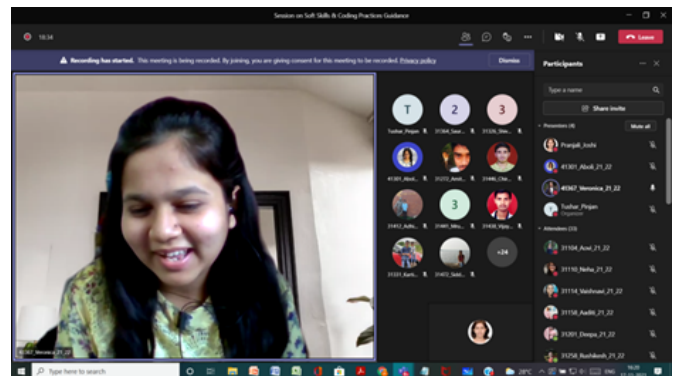
- Total **234** students out of 312 from department have been placed.
- **233** students placed at average package of 10.60 LPA.

Internship Highlights

- Kirti Palve and Sana Chaudhari have received an internship offer from **Adobe's SheCodes** with stipend of 1Lac per month.
- Aparna Bumb and Jinesh Parekh have received an internship offer from **NVIDIA** with stipend of 50000 per month.
- **Credit Suisse** selected our 10 students of 2023 batch as intern at monthly stipend of 75000.
- Chinmay Rahate has received internship offer from **Morgan Stanley** with stipend of 87,000 per month.
- **Google** selected our 01 student Rakshit Kadam as intern at the monthly stipend of 1,10,000.

Department Training Session on Coding Practices

A session on coding practice was organized by internship committee under SPPU curriculum-based internship on 16th & 17th November 2021 for TE students.

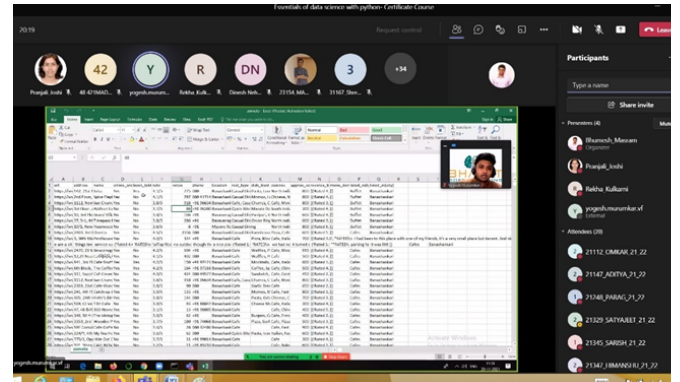
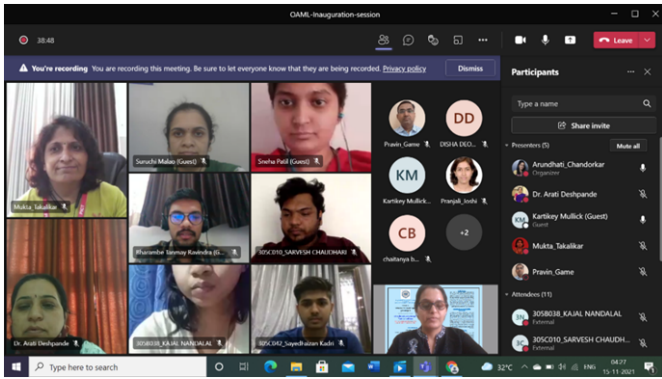


Training & Placements/Internships

Internships

Sr No	Name of Company	Total Students Selected	Name of Students
1	Sushma Science center	5	Sushant Awathare Saurabh Sahare Ashwini Kurhe Rushikesh Shivaji Chavan Deepa Nitesh Agrawal
2	Nice System	26	Amit Madhav Shinde Ved Patwardhan Chaitali Pradip Mahajan Vedant Bothikar Chirag Chairesh Patil Gourang Nanche Jigyarth Joshi Krutika Patil Vidula Vilas Magdum Viraj Prabhakar More Mitesh Manoj Adake Neha Bhadale Om Khedkar Pranav Mohril Aniket Shivaji Nikam Nikhil Balasaheb Dethe Sameer Memon Sanket Ajay Kulkarni Sayali Santosh Nikam Sharayu Mali Shashank Anil Udgirkar Shubham Chemate Aaditi Rajesh Nirfarake Sourav Shailesh Kotkar Vaishnavi Mahesh Bhujbal Vrushaket Pravin Chaudhari

Activities Conducted

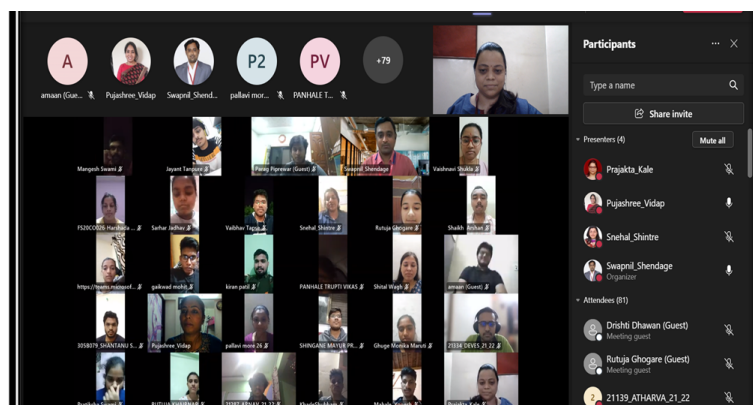


Optimization Algorithms for Machine Learning from 15/11/2021 to 11/12/2021

Essentials of Data Science with Python from 13/11/2021 to 04/12/2021

Certificate Courses

Complete Java Programming from Scratch to Application Development from 04/10/2021 to 27/11/2021



Activities Conducted

The department has always believed in continuous learning of students and staff and developing their skill set according to industry requirements. In view of this, the department has conducted following activities.

Sr No	Activity	Title	No of participants	Duration	Staff Coordinators	Resource Person
1	Seminar	Smart city initiatives and achievements	15	05-10-2021	Dr. R. B. Ingle Dr. A. R. Buchade	Mr. Mudit Sighania, CEO, Babel Singapore Mr. Vidyut Singhania, Babel
2	Invited Talk	Web Virtualization using Docker and orchestration using Kubernetes	122	09-10-2021	Prof P. P. Joshi Prof P. J. Jambhulkar	Mr.Pratik Sangalika,r,MicroSoft Corp.USA.
3	Workshop	One Step towards Entrepreneurship	265	19-10-2021	Prof. R. V. Bidwe Prof. B. D. Zope	Mr. Mahaveer Muttha, Director IT: BirdVision consulting Mr. Neeraj Shah – Owner of Silver Bright
4	Invited Talk	Hadoop: HDFS Architecture for Data Replication	257	20-10-2021	Dr. R. B. Ingle	Dr. Sandeep Deshmukh
5	Invited Talk	Edge Computing	350	26-10-2021	Dr. R. B. Ingle	Dr. R. B. Ingle
6	Invited Talk	Lightning Protection of Power Distribution Lines and Renewable Energy Communities	110	28-10-2021	Prof. S. S. Shendage Prof. A. A. Chandavale	Dr Alberto Borghetti, Full Professor- Univ. of Bologna, Italy

Activities Conducted

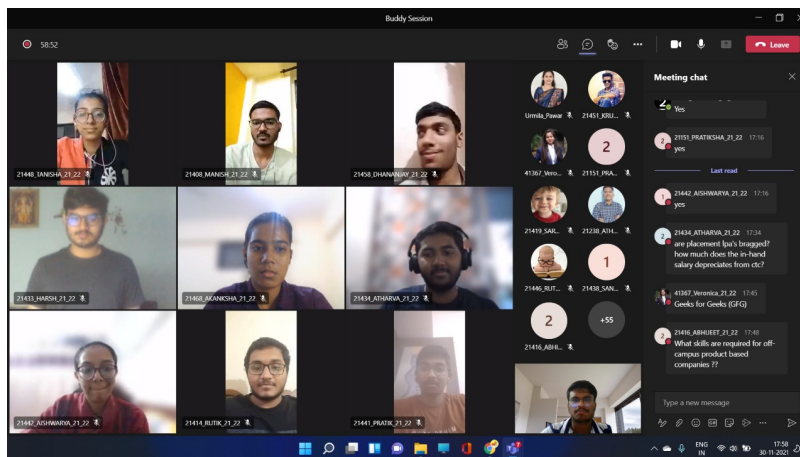
Sr No	Activity	Title	No of participants	Duration	Staff Coordinators	Resource Person
7	Workshop	My Story - Story of Ultimate Motivation	165	17-11-2021	Prof. R. V. Bidwe Prof. B. D. Zope	Mr. Prashant Joshi Director LeapScale
8	Expert Sessions	SE Audit Course Foreign Language German	100	23-10-2021 30-10-2021 13-11-2021 20-11-2021 04-12-2021	Prof. S. S. Shendage Prof. A. A. Chandavale	Yugandhara More
9	Conference	4th IEEE Pune Section International Conference on Innovation in Engineering , Design and Holistic Ed	300	16-12-2021 19-12-2021	Dr. R. B. Ingle Dr. A. R. Buchade	
10	Webinar	IEEE Student Membership and Its Benefits	185	27-12-2021	Dr. R. B. Ingle	Dr. R. B. Ingle

Department Initiatives

Two new best practices have been introduced for guiding second year and third year students.

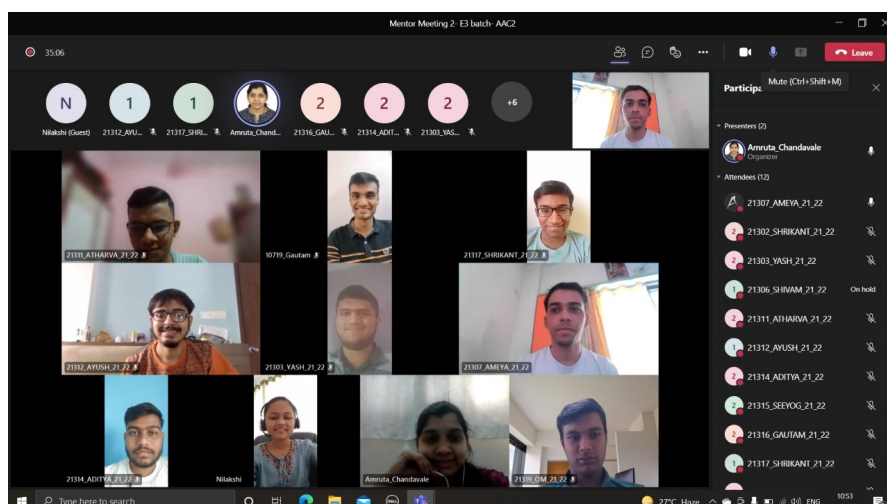
Buddy System

This practice includes, guidance to junior students from seniors for their curricular, co-curricular and extra curricular development.



Alumni Mentorship

Under this practice, experienced alumni working in different domains provide guidance to students regarding internships, higher education, project development, state-of-art technologies etc.



Staff Contribution & Achievements

MoU

MoU is signed with CakeSoft Technologies Private Limited on 29-10-2021 for internships and placement opportunities. This MoU was coordinated by Dr. M. S. Takalikar.

Patents

Prof. Y. A. Handge has published two patents titled “Hierarchical Reinforcement Learning Based Channel Selection for Routing in Cognitive Radio Networks” and “A System for Optimized SQL Operations in a Block chain Structure and Method Thereof” on 29/10/2021.

Achievements

- Dr. A. R. Buchade has Received IEEE 2021 Outstanding Branch Counselor & Branch Chapter Advisor Award.
- Prof. S. S. Shendage has received Best Young Researcher Award 2021 by International Journal for Modern Trends in Science and Technology (IJMTST).
- Dr. R. B. Ingle, Dr. A. R. Buchade, Prof. R. V. Bidwe and Prof. P. A. Khadkikar have worked as Primary Evaluator for the Toycathon-2021, organised by Ministry of Education’s Innovation Cell and AICTE.

Research Publications

- Dr. A. R. Deshpande has published a research paper titled “Context Dependency with User Action in Recommendation System” in International conference on Smart Computing and Informatics in 2021.
- Dr. R. B. Ingle has published a research paper titled ”Investigating Transfer Learning Capabilities of Vision Transformers and CNNs by Fine Tuning a Single” in CoRR with Volume/No / Issue- abs/2110.05270.
- Dr. G. P. Potdar has published a research paper titled "EXOSkeleton ARM" in Journal of Emerging Technologies & Innovative Research(JETIR) with Volume/No / Issue volume 8 Issue 12, ISBN/ISSN No. 2349-5162.
- Prof. S. N. Girme has published a research paper titled "A novel algorithm for secure and reliable coordinator election in distributed networks" in International Journal of Advanced Technology and Engineering Exploration (IJATEE) with ISSN (Print):2394-5443 ISSN (Online):2394-7454 Volume-8 Issue-85 December-2021 .

Alumni Achievements

Velotio Technologies, a top software engineering company founded by PICT Alumni Kalpak Shah and Chirag Jog reports clocking 100 crore revenue by the end of 2021.



PICT alumni, Balaji Raghavan was appointed as Chief Technology Officer at Uniphore.

PICT alumni, Sweta Samota has received IW Entrepreneur Award. She is India's Leading Book Coach and Amazon Bestselling Author.



PICT alumni, Rashmi Venkateshwaran was recognized as Economic Times Campus Star of 2021.

Student Achievements

Department always encourage students to participate in various events and it is proud to share following student achievements.

Sr No	Student Name	Class	Achievements
1	Prathamesh Thombre, Tanaya Wankar	BE	Won the Hackathon, Hack It Out organized by SGSITS with prize \$250 for the project title Pink Icing in Open Innovation Track
2	Samidha Ramteke, Malhar Choure, Chinmay Surve	SE	Members of PICT GameDevUtopia won the Best Overall Game with prize of ₹3000 in recently held IIIT Kottayam's Dhruva Game-Jam
3	Prajwal Pawar	TE	Member of PICT GameDevUtopia won the Best Game Design award with prize of ₹2000 in recently held IIIT Kottayam's Dhruva Game-Jam.
4	Satyajit Roy, Gaurav Kolhatkar, Akshit Madan	TE	Secured rank 2 in COEP's Mindspark Hackathon with prize money Rs. 30,000/- for the PS Digi-Health
5	Akshit Madan	TE	1. Solveathon by Cognizant, winner. (Top10 teams were declared winner) 2. Gained 3000 subscribers on YouTube Channel, teaching Flutter App Development and Data Science
6	Samidha Prashant Ramteke	SE	Team SAMAY got the first position in Retropolis game jam held under DHRUVA event organized by IIIT Kottayam.
7	Renuka Uday Saraf	SE	Her team (Tech Miner Bots) qualified for the final round of Hackathon development battle PICT vs VIIT conducted by PCSB
8	Sharvi Endait, Atharv Bhadange and Rohan Doshi	SE	Their team achieved 2nd rank in Development Battle between PICT and VIIT organized by PCSB and Coding Forum, VIIT

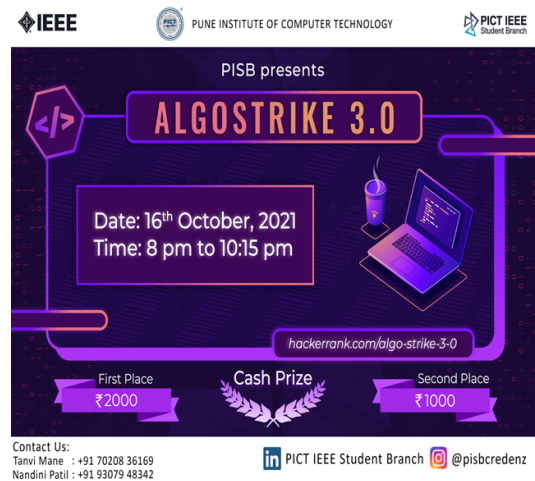
Student Achievements

Sr No	Student Names	Class	Achievements
9	Yogesh Kulkarni	BE	Paper titled "EnsembleNTLDetect: An Intelligent Framework for Electricity Theft Detection in Smart Grid" accepted as a full paper at 21st IEEE International Conference on Data Mining Workshops (ICDMW), 2021
10	Rishi Gondkar	BE	Poster titled "Photometric classification of compact galaxies, stars and quasars using multiple neural networks" presented at ML-IAP Paris, 2021. Link to paper: https://www.iap.fr/col2021/posters/368024/poster.pdf
11	Om Eknath Gund	SE	Pursued position as acting CFO at company KODE IT Solutions
12	Satyajit Roy Akshit Madan	TE	They won the Solve-A-thon: An innovating challenge for the youth on COVID 19 organized by AICTE, Cognizant, UNICEF and YuWaah
13	Devraj Shetake	SE	Part of the team who won the Hackathon Developer Hacks-2 organized by Google Developer Student Clubs-AISSMS IOIT, IEEE Signal Processing Society, Pune Chapter and sponsored by Tech Mahindra under the theme CleanIndia
14	Shashank Anil Udgirkar	TE	Got first position in Development Battle Hackathon between PICT and VIIT

Professional Chapter Activities

IEEE

A contest on competitive programming AlgoStrike 3.0 was conducted on Hackerrank platform. It helped to elevate skills in the world of algorithms, programming, and contests by cracking every test case.



An expert talk on "A Roadmap to Writing Research Papers" was given by PICT Alumni Mr. Rajvardhan Oak.

At Ideathon 2021 event all developers and hackathon enthusiasts had come up with fantastic ideas for changing the world. Teams with the most innovative ideas and fantastic pitches won exciting prizes. It was open to all developers who have an eye for design and a passion to innovate.



Professional Chapter Activities

ACM

An Eminent Speaker Session on QR code - Threat landscape & Defense was organized by ACM Pune Professional chapter. It was delivered by Manish Shukla , Senior Scientist, TCS Research Lab.



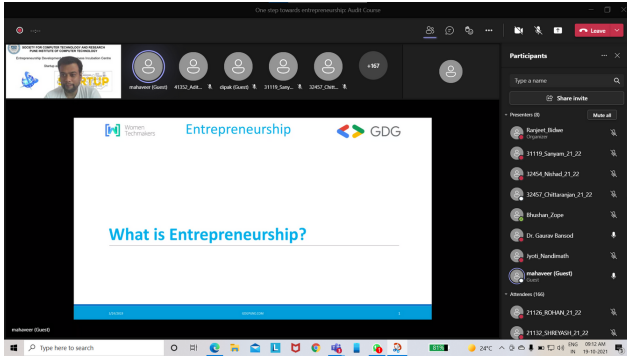
Hours of Code was a global movement to spread technical knowledge. It was held in 180+ countries for Scratch and Website Development.

Series of Riveting Seminars Conducted

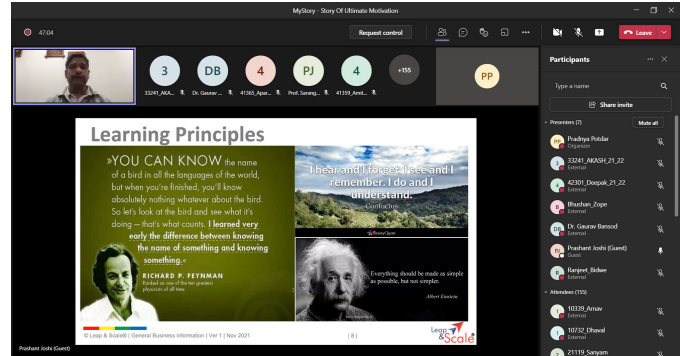


Some Glimpses

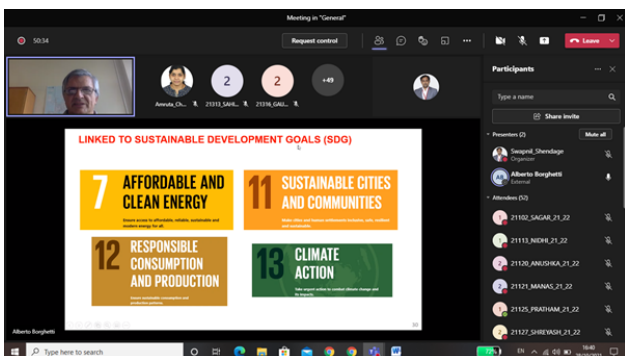
One Step towards Entrepreneurship



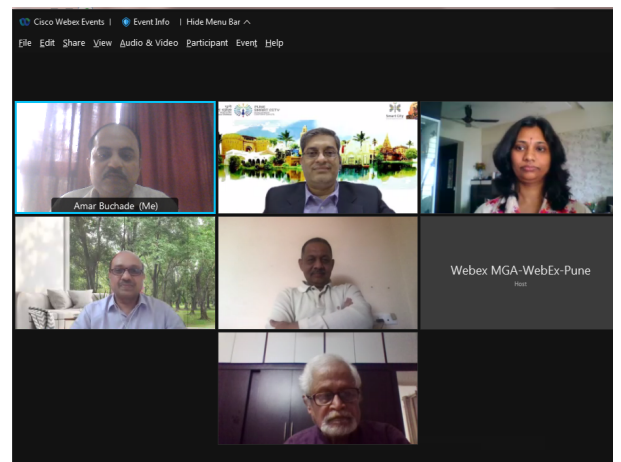
My Story - Story of Ultimate Motivation



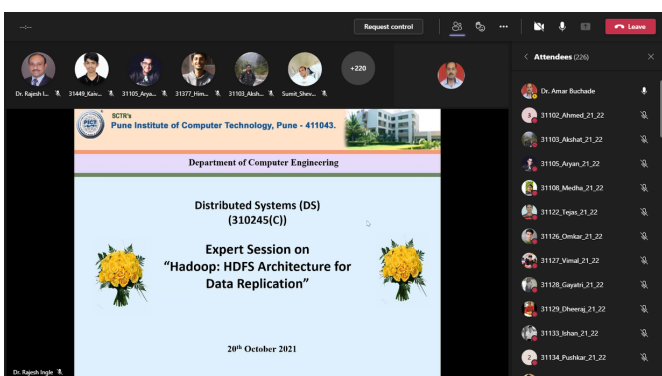
Lightning Protection of Power Distribution Lines and Renewable Energy Communities



Smart city initiatives and achievements



Hadoop: HDFS Architecture for Data Replication



Web Virtualization using Docker and orchestration using Kubernetes

