

# ZENITH 2k22

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## DEPARTMENT OF COMPUTER ENGINEERING



Head of Department: Dr. Harmeet Khanuja

**ISACA**<sup>®</sup>  
Student Group



**NVIDIA** | GPU EDUCATION CENTER



Designed & Edited By:

+ Faculty Coordinator:

Ms. Ila Savant

+ Student Coordinators:

Deven Nandapurkar

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Sakshi Patil

Parth Patil

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Vedashri Kulkarni



## Vision

'To contribute to welfare of society by empowering students with latest skills, tools and technologies in the field of Computer Engineering through excellence in education and research'

## Mission

- To provide excellent academic environment for continuous improvement in the domain knowledge of Computer Engineering to solve real world problems
- To impart value-based education to students, with innovative and research skills to make them responsible engineering professionals for societal upliftment
- To strengthen links with industries through partnerships and collaborative developmental works

## Program Education Objectives

- To develop globally competent graduates with strong fundamental knowledge and analytical capability in latest technological trends
- To prepare the graduates as ethical and committed professionals with a sense of societal and environmental responsibilities
- To inculcate research attitude in multidisciplinary domains with experiential learning and developing entrepreneurship skills
- To groom graduates by incorporating investigative approach among them to effectively deal with global challenges

## Program Specific Outcomes

*A graduate of the computer engineering program will be able to:*

- Analyze the problems and design solutions in the areas of Artificial Intelligence & High-Performance Computing
- Develop advanced digital solutions using standard software engineering practices

## Strengths of Department

- Department is recognized as a 'GPU Education Centre' by NVIDIA
- Development of innovative projects under the 'Centre of Innovation' cell for students' development
- Department has facilitated In-house developed 'Digital Library' for all faculty members and students on Apache Hadoop, Open-Source Distributed Computing Framework
- Active conduction of Institute Social Responsibility through 'Aadhaar Club'

## Department Highlights

- Department is recognized as a 'GPU Education Centre' by NVIDIA with one Tesla K40 and two TitanX GPU Graphics Cards
- Organized and conducted FDP's, STTP's, Workshops, Seminar, Conferences
- CPGCON (post graduate conference) is an event conducted for M.E. students from colleges under Savitribai Phule Pune University. In 2022, cPGCON was conducted in Marathwada Mitra Mandal College of Engineering, in the month of May. There were 14 domains of Computer science in which the M.E. students presented their research papers. Their papers were reviewed by judges and the faculty. One student from domain was awarded with the 'Best Research Paper' award.
- Online One Week Faculty Development Program on “Recent Trends in Quantum Computing”
- International STTP on “Advanced Application of Machine Learning and Artificial Intelligence”
- Department is running 6 different Programming Language courses under Spoken Tutorial IIT Bombay, 732+ students.
- 100% eligible students placed in reputed IT Companies and Overseas internship
- In-house developed 'Digital Library' on Apache Hadoop, Open Source Distributed Computing Framework
- Active student bodies like Association of Computer Engineering Students (ACES), Information Systems Audit and Control Association (ISACA), Computer Society of India (CSI), Indian Society for Technical Education (ISTE), Google Developer Students Club (GDSC), Institute of Electrical and Electronics Engineers (IEEE)

## Center of Excellence

Department of Computer Engineering has two Center of Excellence (COE) in

- Networking & Security domain including Computer Network & IoT, Cyber Security & Block Chain, Web Technology & Cloud Computing.
- Data Science & Machine Learning (HPC) domain including Data Science, NVIDIA GPU Education Center, Computer/Image Processing for parallel processing with Supercomputer infrastructure provided in association with NVIDIA in HPC lab.

## Students Admitted in 2021-2022

FE	SE	TE	BE	ME
138	156	162	165	5

## Staff in 2021-2022

Teaching Staff	Non-Teaching Staff
21	4

# Student Achievements

## Event Winners

- ✓ Shrutika Sarode (BE Comp) secured 2 Gold Medals in 58th National Roller-Skating Championship held at Chandigarh, Punjab during 7th April 2021 to 10th April 2021.



- ✓ Pranav Gadekar (BE Comp) secured 'Best student' award in TCS Hackquest ethical hacking online competition season 5 on 5th March, 2021
- ✓ Nihar Salunke, Nikhil Kulkarni, Omkar Jadhav & Arjun Barge (BE Comp) secured 'First Prize' in TECHWAR'21(Project Competition), JEPPIAAR institute of Technology in IEEE event on 16th March 2021
- ✓ Swarali Degaonkar (BE Comp) secured 'First Prize' in Codevista an national level online coding competition in association with CSI MVSR student branch on 26th & 27th March 2021
- ✓ Jay Rawal (TE Comp) had secured 1sts position in Swaralankaar (2021)-singing competition of VIT College and got 2nd position in Asthitva-2020 singing competition of BMCC college and being NCC Air Wing Cadet, he was part of Maharashtra directorate contingent of RDC-2022 and took part in marching parade of Republic Day Camp and given interview to the DD National that was telecasted on 26th January 2022.



## Second Year



**Priyanka Godbole**  
University Rank - 5th  
CGPA - 9.92



**Ketki Kerkar**  
University Rank - 5th  
CGPA - 9.92



**Saniya Kadam**  
University Rank - 6th  
CGPA - 9.90



**Kimaya Nesarkar**  
University Rank - 9th  
CGPA - 9.82

## Third Year



**Ms. Kothawade Shweta Ganesh**  
University Rank - 8th  
CGPA - 9.67

## University Results Toppers

### BE Toppers

Sr.	Name	SGPA
1	Godbole Priyanka	10
	Yerunkar Sai	10
2	Kerkar Ketki	10
3	Adarkar Srishti	10
4	Tharwal Ishan	10
5	Chaudhari Simran	10
	Mahagaonkar	10
	Gavande Aayush	10
6	Dasari Mrunali	10
	Kadam Saniya	10
7	Bhangdia Chanchal	10
8	Phapale Mayur	10
9	Kulkarni Rutuja	10
10	Bhadavalkar	10

### TE Toppers

Sr. No	Name	SGPA
1	Jadhav Shraddha	10
2	Abhang Ruchita	10
3	Kulkarni Pranav	10
4	Padmavar Sayali	10
5	Deodikar Sayali	10
6	Gala Ishan	10
7	Dhene Savani	10
8	Mahadeokar Atharva	10
9	Landge Dipti	10
10	Landge Trupti	10

### SE Toppers

Sr. No	Name	SGPA
1	Sawale Aryan	9.86
2	Bhide Atharva	
3	Rembhotkar Simantini	9.82
4	Shah Kashmira	
5	Patil Nikita	9.77
6	Nalawde Atharva	
7	Pandit Apoorv	
8	Satav Omkar	9.73
9	Sheth Siddhi	
10	Marathe Neha	

### FE Toppers

Sr. No	Name	SGPA
1	Pandit Aneesh	10
2	Pol Saket	9.95
3	Adsure Vaishnavi	9.95
4	Dumbhare Vedant	9.95
5	Kulkarni Swanand	9.95
6	Kolambe Gitesh	9.95
7	Malawade Ishan	9.95
8	Meshram Ayushi	9.95
9	Gayake Prathamesh	9.95
10	Hikare Prajakta	9.95

## Certifications

### Spoken Tutorial Test Report

Sr. No	Sem	Date	Class	Subject	No. of Students Participated	No. of Students Passed
1	I	15/11/21	SE	Advanced CPP	127	111
2		29/10/21	TE	RDBMS PostgreSQL	124	121
3		29/10/21	BE & ME	Python	137	134
4	II	26/03/22	SE	Python	110	104
5		26/03/22	TE	PHP and MySQL	107	103
6		26/03/22	BE & ME	SciLab	112	107

## Internships

Sr. No	Student Name	Name of the Industry	Domain
1	Priyadarshani Alandikar	1stop.ai	Machine Learning
2	Jui Ambikar	DataSmith.Ai Solutions	Development
3	Manas Apte	Seed InfoTech	Software Development
4	Om Atre	ARDE/DRDO	Cyber Security in Local Area Network
5	Anagha Awale	1stopAi	Web Development
6	Tejas Balshetwar	Hi-Tech Skills	Web Development
7	Swapnil Bandal	Hi-Tech Skills	Data science and Machine Learning
8	Siddhant Bhalerao	Hi-Tech Skills	Web Development
9	Aditya Bharatvanshi	Hi-Tech Skills	Web Development
10	Kaushal Bhide	Nioxin Bit	Web Development
11	Yadnesh Charekar	Rakuten Symphony	Data Science
12	Vaibhav Chaudhari	Fox Trading Solutions	Software Development
13	Varad Chinawalkar	Renizant Technologies Pvt. Ltd.	Software Development
14	Sayali Deodikar	Datasmith AI Solutions Pvt. Ltd.	Software Development
15	Ajay Dhobale	The Entrepreneurship Network	Ed-Tech
16	Shreya Diwan	Aicte	Software Development
17	Adesh Gadekar	Sphinx WorldBiz Limited	Web Development, IOT
18	Ishan Gala	Atomic Loops	Data science, High Performance computing, Machine Learning, Artificial Intelligence
19	Rohit Gaware	Hi-Tech Skills	Data science, Machine Learning, Artificial Intelligence
20	Atharva Gupte	SEED Infotech Pvt Ltd	Software Testing
21	Atharva Hukkeri	Oasis Infobyte	Data Science, Machine Learning, Artificial Intelligence, Any other

22	Shraddha Jadhav	Hi-Tech Skills	Data Science
23	Aishwarya Joshi	Softckt Ideation	Data Science
24	Nishant Kale	Hi-Tech Skills	Data Science, Machine Learning
25	Mangesh Kashid	Algorithmic Electronic	Machine Learning, Artificial Intelligence
26	Durgesh Kate	Hi-Tech Skills	Data Science
27	Vedant Kharkar	Yhills Edutech Pvt Ltd	Machine Learning
28	Aaditya Komerwar	Algorithmic Electronics	Machine Learning, Artificial Intelligence
29	Raj Kudale	IRYS Group	Software Development
30	Devashish Kukade	Sphinx Worldbiz Ltd	Data Science, Machine Learning, Artificial Intelligence
31	Parth Kulkarni	Datasmith AI Solutions	Data Science, Machine Learning, Artificial Intelligence
32	Pranali Kurumkar	Persistent System	.Net
33	Rucha Kulkarni	Samtej Industries LLP	Heavy Machinery Manufacturing
34	Saeel Kulkarni	Verzeo	Web Development
35	Pranav Kulkarni	Atomic Loops Pvt. Ltd	Web Development
36	Shreyas Kulkarni	DataSmith.AI Solutions	Software Development
37	Sandesh Mahajan	Capgemini Technology	Java
38	Shubhangi Kumbhar	Softckt Ideation	Web Development
39	Pranav Ladkat	Irys Group- RFID	Web Development
40	Dipti Landge	Softckt Ideation	Web Development
41	Trupti Landge	Softckt Ideation	Web Development
42	Sonal Mahajan	1stop.ai	Web Development
43	Parag Mankeshwar	Algorithmic Electronics	Web Development
44	Sejal Mutakekar	TaskCompusys	Software Development
45	Sayali Padmawar	DZOR Infotech Pvt. Ltd.	E-commerce
46	Sakshi Palve	Softckt Ideation	Development and Analytics
47	Badrinath Pathak	HiTechSkills	Data Science
48	Rameshwar Pathak	Javabykiran	Android
49	Shubham Pathak	Yhills Edutech	Web Development
50	Kaustubh Patil	1stop.ai	Data Science
51	Pradnya Patil	1stop.ai	Web Development
52	Soham Pingat	Persistent Systems	Full Stack Development
53	Rohit Patil	Fox Trading Solutions	Web Development
54	Shubham Phadatre	Softckt ideation	Web Development
55	Rohan Rasane	SEED Infotech	Web Development
56	Venkatesh Ratnaparkhe	Carving IT Pvt. Ltd.	Web Development, Artificial Intelligence
57	Trupti Reddy	WAYZON Technology Pvt Ltd.	App Development, Website Design
58	Sai Yerunkar	Capgemini Technology Services India Ltd.	Technology Services, Consulting and Testing
59	Yash Sapre	Carving IT Ltd	Web Development
60	Ajinkya Shinde	Yhills edutech	Web Development
61	Prathamesh Shirtawle	Personifwy (1stop.ai)	Web Development
62	Anish Sule	YHills Edutech	Web Development
64	Mayur Phapale	Persistent Systems	Java Developer
65	Tanaya Tamhankar	Tata Consultancy Services	Software Development
66	Prachi Shinde	Wipro	Java



67	Vaishnavi Thete	Algorithmic electronics	<b>Software Development</b>
68	Prasad Torane	Skillvertex	<b>Web Development</b>
69	Vedika Torawane	Twicos Communications	<b>Machine Learning</b>
70	Ved Satdeve	Linkedloops Pvt Ltd	<b>IOT</b>
71	Anshul Wali	Whizkey	<b>Web Development</b>
72	Yash Yenpure	Shariwa Solutions	<b>Laravel PHP</b>
73	Shrinil Modhave	Hi-Tech Skills	<b>Data Science</b>
74	Shinde Shubham	Hi-Tech Skills	<b>Data Analysis</b>
75	Sampada Dodake	1Stop.AI	<b>Web Development</b>
76	Nilaj Kothikar	10 Million Stories Entertainment	<b>Video Editing</b>
77	Jinendra Bafna	Elite Softwares	<b>Web Development</b>
78	Ritesh Khapare	The Entrepreneurship Network	<b>Python Development</b>
79	Shreyas Lokhande	Pearl Travels	<b>Web Development</b>
80	Yash Nikam	Elite Softwares	<b>Web Development</b>
81	Priyanka More	SGW Kisan Bajaj Farmers	<b>Web Development</b>
82	Pranalee Walunj	NJC Labs, Mulesoft.	<b>API Creation and Integration</b>
83	Prashant Pote	NJC Labs	<b>API Creation and Integration</b>
84	Praveen Rathod	CareTeam Pvt Ltd	<b>Web Development</b>
85	Rohan Kamble	Hi-Tech Skills	<b>Data Science</b>



## Sports Achievements

Sr. No	Name	Sport	Level	Rank	Details of Competition
1	Parth Patil	Cycling (Road Race)	Inter Zonal	Participated	Savitribai Phule Pune University Inter Zonal Cycling (Road Race) Competition held at Khedgaon, Nashik between 28/02/22 to 01/03/22
2	Parth Patil	Athletics	Inter Zonal	Participated	Savitribai Phule Pune University Inter Zonal Athletics Competition held at Indrayani Nagar, Bhosari
3	Shivali Mate	Volleyball	Invitational Inter-Engineering	First	ZEST 22 National Invitational Inter-Engineering Volleyball Competition

## Workshops Organized by Department for students: -

- ✓ One day workshop on 'LaTeX: Open-Source tools', was organized on 3rd of July where students of TE & ME were guided by **Mrs. Pooja Deshmukh**.
- ✓ CSI organized a workshop on "CUDA Programming and its Applications", under the guidance of **Mr. Pavan Tupe (Sr. Software Engineer)** for the students of TE & BE.
- ✓ A Hands-on session on "Interactive documentation using LaTeX" was taken by **Dr. Sarita Balshetwar**, and guided the students of TE & ME.
- ✓ ATS Technologies Pvt. Ltd. had undertaken a training program on "AI-ML followed by Microsoft Certification", for which **Mr. Aman Upadhaya** assisted the students.
- ✓ A Seminar on Upcoming trends and technologies was taken by **Mr. Pratik Potnis**, to guide the students of MMCOE on availing internships in domains of AI-ML and Data Science.
- ✓ Cyber Security Hands on session by **Ms. Seema Dixit** took place on 15th of November, for the TE students.
- ✓ **Mr. Prasad Surase** had an interesting add-on session on Full Stack Development from 12/11/21 to 23/11/21.
- ✓ REIMAGINE 2022 five days National UI/UX Designathon conducted by the department.
- ✓ One day workshop on Blender: Open-Source Tool, conducted by **Mr. Rajesh Khele, Mr. Karthik S and Mr. Prasad Nimse**.
- ✓ CSI had an enriching session with **Ms. Seema Dixit** on AWS Cloud.
- ✓ Mini Project Competition was held by **Ms. Kirti Kulkarni** on 7th of May, for SE & TE students

## Sponsored Projects

BE students belonging to batch '24 have managed to grab sponsorships from companies for their respective projects. They are listed below:

Sr. no.	Student Name(s)	Project title	Domain	Sponsoring company
1.	Prasad Lahamage, Prem Methe, Rohit Fadnavis	Mobile app for AI enabled multi-purpose robotic system	Artificial intelligence	Paratus Systems Pvt. Ltd.
2.	Srishti Adkar, Ameya Bhagwat, Chaitrali Ghanekar, Shreya Patki	Applications of machine learning in Haematological diagnosis and healthspan	Machine learning	Blue Pearl Technologies
3.	Udayraj Mahajan, Abhijay Metekar, Kimaya Nesarikar	High Frequency Trading	Data science	Pixaflip Technologies
4.	Bhavana Shinde, Varsha Yadav, Vinaya Bhalerao, Snehal Kamble	Network Intrusion Detection System using Machine Learning	Machine Learning	Algorithmic Electronics
5.	Swarali Jagdale, Pushkar Pawar, Tejas Rampurkar, Tejashri Shelar	Multi-purpose Rover Robot	AI/ Space Technology	Learnalytics tech Academy Pvt. Ltd.
6.	Dnyaneshwari Pawale, Mayuresh Mitkari, Sahil Jain, Sourabh Gharad	Credit Card Fraud Prevention and Detection	Machine Learning	Safex Pay
7.	Arati Katdare, Yukta Patil, Prasad Anklekar, Anuj Mokashi, Vinay Phadnis	Skin cancer Detection using Machine Learning	ML / Blockchain	Atomic Loops Pvt. Ltd.

## Placements

Student Name	Company
Sanskirti Chilvery	TAK
Nikhil Kulkarni	Persistent
Sai Yerunkar	Capgemini
Sandesh Mahajan	Capgemini
Aditya Pardeshi	Capgemini
Simran Chaudhary	Capgemini
Swarali Degaonkar	TCS Digital
Amit Patil	Apisero
Adwait Kelkar	Apisero
Chinmay Mahagaonkar	Apisero
Yash Wakate	Persistent
Anjalikumari	Persistent
Dnyanesh Mahajan	Persistent
Rutuja Kulkarni	Persistent
Soham Pingat	Persistent
Siddhesh Bhosale	Persistent
Saniya Kadam	Persistent
Rohit Phadnavis	Persistent
Vedant Joshi	Capgemini
Udayraj Mahajan	Capgemini
Mukul Borole	Capgemini
Keerthi Nagraj G.	Capgemini
Pushkar Pawar	Capgemini
Tejas Pandit	Capgemini
Advait Kelkar	Capgemini

Student Name	Company
Atharva Bapat	Persistent
Aayush Gavande	Persistent
Darshan Galakatu	Persistent
Mayuresh Mitkari	Persistent
Mehul Gujar	Persistent
Prem Methé	Persistent
Ketaki Kerkar	Persistent
Mayur Phapale	Persistent
Onkar Dongare	Persistent
Rushikesh Tekale	Persistent
Bhavika Karale	Persistent
Kimaya Nesarikar	Persistent
Mayur Dahibhate	Persistent
Sai Yerunkar	Persistent
Mrunali Dasari	Persistent
Pranali Kurumkar	Persistent
Shaunak Ketkar	Persistent
Gauri Markandey	TietoEvy
Mayuri Thakare	TietoEvy
Mukul Borole	TietoEvy
Swarali Degaonkar	Capgemini
Siddhraj Gangavane	Capgemini
Hitesh Umare	Capgemini
Siddhant Chaudhary	Capgemini
Preetam Maske	Capgemini

Snehal Vipradas	Capgemini
Vikrant Patil	Capgemini
Digvijay Ingole	Capgemini
Aayush Gavande	Capgemini
Sahil Jain	Capgemini
Devashish Shahakar	Evosys
Akshada Phalle	Birlasoft
Hemant Patil	Birlasoft
Raviraj Borade	Birlasoft
Prasad Lahamage	TCS
Aishwarya Amangi	TCS
Anisha Shitole	TCS
Hemant Patil	TCS
Chaitali Ghanekar	TCS
Srishti Adkar	TCS
Pramod Patil	TCS
Swarali Degaonkar	TCS
Chanchal Bhangadia	TCS
Chinmay Mahagaonkar	TCS
Amit Patil	TCS
Udayraj Mahajan	TCS
Gauri Markandey	TCS
Shardul Bhatlavande	TCS
Sahil Dhapare	TCS
Rohit Fadnvis	TCS
Vikrant Patil	TCS
Raviraj Borade	Wipro
Mukul Borole	Wipro

Sahil Dhapare	Capgemini
Linesh Patil	Capgemini
Shardul Bhatlavande	Capgemini
Shivali Mate	Capgemini
Chinmay Mahagaonkar	Capgemini
Pratiksha Shelar	Capgemini
Shreejeet Honrao	Capgemini
Dhiraj Pagar	Capgemini
Sanat Paranjape	Capgemini
Kaivalya Joshi	Capgemini
Hemanshu Borikar	Capgemini
Swaroop Udgaonkar	Capgemini
Simran Chaudhary	Capgemini
Sanket Dhivar	Capgemini
Mrudula Huddar	Wipro
Aishwarya Mahajan	Wipro
Snehal Solankar	Wipro
Sharayu Barde	Wipro
Simran Chaudhary	Wipro
Priyanka Godbole	Wipro
Shrishti Adkar	Wipro
Swarali Degaonkar	Wipro
Prem Methé	Wipro
Hitesh Umare	Wipro
Keerthi Nagraj G.	Wipro
Udayraj Mahajan	Wipro
Aditya Pansare	Sell do
Ketaki Kerkar	Sell do

Bodhisatva Gajbhiye	Wipro
Apurva Upasani	Wipro
Prachi Shinde	Wipro
Ishan Tharwal	Wipro
Chaitali Ghanekar	Wipro
Swarali Degaonkar	Virtusa
Priyanka Godbole	Zensar
Shardul Bhatlavande	Zensar
Udayraj Mahajan	Zensar
Linesh Patil	Xoriant (Nebula)
Kimaya Nesarikar	Xoriant (Nebula)
Saniya Kadam	Xoriant (Nebula)
Mukul Borole	Xoriant (Nebula)
Rutuja Kulkarni	Xoriant (Nebula)
Amey Bhagwat	Xoriant (Nebula)
Soham Pingat	Xoriant (Nebula)
Chaitrali Ghanekar	Xoriant (Nebula)
Devashish Shahakar	Xoriant (Super Nova)
Sanat Paranjape	Xoriant (Super Nova)
Priyanka Godbole	Xoriant (Super Nova)
Hemant Patil	Xoriant (Super Nova)
Pramod Yadav	BYJUS
Rohan Hingane	VyomLabs
Sourabh Garad	VyomLabs
Prasad Lahamage	VyomLabs
Mokshada Bhadvalkar	VyomLabs
Priyansh Bafna	Wipro
Simran Chaudhary	Virtusa

Sahil Jain	Sell do
Mokshada Bhadawalkar	Sell do
Sharayu Barde	Zensar
Chanchal Bhangadia	Zensar
Prasad Lahamage	Zensar
Vijay Dalvi	Zensar
Srishti Adkar	Zensar
Harsh Kumbhar	Zensar
Simran Chaudhary	Virtusa
Prem Methe	Virtusa
Aditya Pansare	Virtusa
Someshwar Morepalle	Capgemini
Sahil Jain	Codidas
Aishwarya Pardesi	Zensar
Prem Methe	Nagarrao
Kaivalya Joshi	Nagarrao
Om Mokashi	CRMNext
Rutvik Wanave	CRMNext
Jay Misal	CRMNext
Sarthak Mushrif	HubCity Softwares
Alkama Mulla	Aress Software
Aishwarya Amangi	Capgemini
Neha Pande	Infosys
Hrucha Malusare	Syntel
Hrucha Malusare	Infosys
Aadil Akbar	Infosys
Aadil Akbar	Syntel
Vrushabh Pol	Allied Analytics Software

Aishwarya Pardesi	Syntel
Arati Katdare	Wipro
Sarthak Mushrif	Yardi Softwares
Pratiksha Shelar	Infosys
Isha Kulkarni	Wipro
Prathmesh Bendre	Birlasoft
Dhairyasheel Jagtap	Capgemini

Aditya Pansare	Talent Aquisition
Ketaki Kerkar	Talent Aquisition
Mokshada Bhadavalkar	Talent Aquisition
Gharad Sourabh	Automation Edge
Mokashi Om	Star Health and Allied Insurance
Shubham Chavan	Indexnine



Placement Team

# Faculty Achievements

## Professional

- ✓ **Dr. Harmeet Khanuja** was invited as a **Resource person** for delivering a talk in “**Faculty Orientation Workshop on Data Analytics Lab SE(E&TC/Elect) Revised Syllabus 2019 Course**” at AIT, Pune “Data Preprocessing Hands-On in Python” for Data Science & Big Data Analytics for TE (Computer Engineering) Revised Syllabus 2019 Course”, SPPU at I2IT, Pune. Ma’am had the opportunity to be a **Reviewer of 2nd International conference on Emerging trends and Innovations** in ICT PICT, Pune.
- ✓ **Dr. Kalpana Thakre** has been “**PhD Guide/Supervisor**” at MMCOE and SKNCOE for SPPU, Pune. Also, she has been an **Examiner of PhD progress Exam** at MIT, Kothrud. She also had the opportunity to be a **Reviewer** for “**Journal of Visual Communication and Image Representation**”. Ma’am has been a **Panel Member** for **PhD Interview at MMCOE** as well as SKNCOE, Pune.
- ✓ **Dr. Aaradhana Deshmukh** received the Institute of Scholars' "**Young Researcher Award**". The **2nd International Conference on Emerging Trends and Innovations** in ICT (ICEI) PICT Pune welcomed her to serve as a reviewer. She received the "**Award for Excellence in Research**" at the Global Teaching Excellence Award, Delhi.
- ✓ **Dr. Geetha Chillarge** was **awarded with PhD degree** from Visvesvaraya Technological University Belgaum, Karnataka, India. She was also invited to **Judge** at **ACM-W India Lady Ada National level programming competition**. She had the honor to be a **Reviewer** for **IGI global journal**, and an **Evaluator** for **Evaluation of Internal Hackathon** for SIG 2022.
- ✓ **Dr. Swati Shekapure, Ms. Ila Savant, Ms. Rupali Dalvi, Ms. Shailaja Jadhav, Ms. Pradnya Mehta, Ms. Vandana Rupnar, Ms. Sarita Sapkal, Ms. Asma Shaikh, Dr. Geetha Chillarge and Dr. Sankirti Shiravale**, have been granted a Patent on A personalized e-learning system.
- ✓ **Dr. Swati Shekapure** was invited as a **Reviewer** for the **International Conference on communication, Information and Computing Technology 2021, IEEE Bombay Section**. Ma’am was also a **Reviewer at Advances in Science, Technology and Engineering Systems Journal**. She also earned a **Copyright from Government of India**.
- ✓ **Dr. Sankirti Shiravale** earned a Copyright from Government of India.
- ✓ **Ms. Ila Savant and Ms. Vandana Rupnar** have their **Contribution for Syllabus Designing** in subject **STQA and STQA Lab, BE Syllabus Revision 2019 Course**.
- ✓ **Ms. Pradnya Mehta** was invited as resource person for conducting Guest Lecture on “**Hands-on session - MongoDB, Big Data**” SCOE, Vadgaon held on 9<sup>th</sup> of December
- ✓ **Ms. Anita Shinde** earned a Copyright from Government of India.
- ✓ **Ms. Shubhada Mone** has been awarded to MMCOE IEEE Student branch on the basis performance counted till date on 10<sup>th</sup> of September. In addition to this she has also been awarded as “**Emerging Student Branch of the Year 2021 Award**” by IEEE Student branch for 2021-22. She has won “**Favorite Staff 2021 Award**” at the Department of Computer Engineering, MMCOE.



## Social Activities

### Aadhar Club

- ✓ 'Gift of Love'- Aadhar-Social Event where all staff members and students donated Clothes and the Books.



- ✓ A 4-day bifocal class was organized for science students of class XII under Aadhaar club.
- ✓ National Level MHT-CET Mock exam was conducted for 12th Science students.

## MOU Under Faculty Industry Liaisoning

Sr. No.	MOU Signed with	Faculty Involved	Start Date
1	Interns Lab	Dr. Aarti Agarkar	18/08/21
2	Atomic Loops	Ms. Asma Shaikh	08/09/21
3	Through River Edu Group	Dr. Girija Chidrawar, Dr. A. A. Deshmukh	23/10/21
4	Mitu Skillologies	Dr. Kalpana Thakre	01/07/21
5	KITS Tech Learning Centre	Dr. Kalpana Thakre	06/07/21
6	Brilliance Infotech	Dr. Kalpana Thakre, Dr. Girija Chidrawar	10/02/22

## Intellectual Property Rights

- ✓ Device to Communication Between Deaf-Mute and Normal People is the patent publication by **Dr. Harmeet Khanuja, Dr. Aarti Agarkar, Dr. Araddhana Deshmukh and Dr. Girija Chiddarwar.**
- ✓ The Optimized Skin Care Product Recommendation System Based on SVM Based Machine Learning and Minimum Sample Elements with Multi Scale Feature Vectors Based Learning & Training Technique for Noisy Images is covered by a patent filed by **Dr. Kalpana Thakre.**
- ✓ **Dr. Aradhana Deshmukh** published her patent in Secured Health Monitoring System Using Cloud Computing.
- ✓ Using deep learning, **Dr. Girija Chiddarwar and Dr. Aradhana Deshmukh** released their patent for content-based picture retrieval shape features.
- ✓ **Dr. Aarti Agarkar and Dr. Araddhana Deshmukh** published their work in Authenticity and Security for critical and important storage using blockchain.
- ✓ **Dr. Swati Shekapure, Dr. Geetha Chillarge, Dr. Sankirti Shiravale, Ms. Ila Savant, Ms. Shailaja Jadhav, Ms. Pradnya Mehta, Ms. Vandana Rupnar, Ms. Sarita Sapkal, Ms. Asma Shaikh and Ms. Rupali Dalvi** have filed a patent for a personalized e-learning system.
- ✓ Wearable device for Alzheimer Patient were given a patent by **Ms. Asma Shaikh, Dr. Sankirti Shirwale, Ms. Vandana Rupnar, Ms. Shubhada Mone, Ms. Anita Shinde and Ms. Jagruti Wagh.**
- ✓ **Dr. Swati Shekapure** published her patent on Excel Sheet to Compile & Extract Attendance from Microsoft Teams Attendee.



## Co-curricular Activities

### Guest Lectures Organized

Sr. No.	Date	Class	Subject	Topic	Faculty Coordinator
1	02/09/2021	SE	DELD	Simulating Hardware	Ila Savant
2	9/9/21, 11/9/21 and 21/9/21	BE	3-D printing (Audit Course)	Getting Started with 3D Printing Outlining 3D Printing Resources Exploring the Business Side of 3D Printing , Actual Demo of employing Personal 3D printing Devices	Dr. Sankirti Shiravale
3	24/9/2021	BE	Artificial Intelligence and Robotics	Text Modelling and Processing	Dr. Swati Shekapure
4	28/9/2021	TE	DBMS	MongoDB CRUD operations with execution	Ms. Pradnya Mehta
5	28/9/2021	BE	STQA	Automation testing using Junit and Selenium tool	Ms. Jagruti Wagh
6	30/9/2021	TE	TOC	Complexity Classes	Ms. Jagruti Wagh, Ms. Preeti Joshi
7	16/10/2021	SE	Discrete Mathematics	Applications of Discrete Mathematics	Dr. Aarti Agarkar Dr. Girija Chiddarwar
8	30/10/2021	BE	Data Analytics	Data Visualization and Demo on Power BI tool	Ms. Nikita Kolambe, Ms. Sankirti Shiravale
9	22/11/2021	SE	Object Oriented Programming	Smart pointer, Shared Pointer, Dangling	Ms. Asma Shaikh
10	16/11/2021	SE	Fundamentals of Data Structures	All Pair Shortest Path Algorithm and Job-Shop Scheduling Algorithm	Ms. Shubhada Mone
11	24/11/2021	SE	Computer Graphics	Animation Pipeline	Ms. Vandana Rupnar, Mrs. S. Shiravale
12	27/11/21	SE	Computer Graphics	Career in Animation and VFX-film making	Ms. Vandana Rupnar
13	26-03-22	TE	CC	Salesforce	Dr. Geetha Chillarge
14	22/04/22	TE	DSBDA	Industrial Aspect of Text analysis	Ms. Shailaja Jadhav, Dr. Girija Chiddarwar
15	23/04/2022	SE	Software Engg	Industry perspective of Software Engineering	Ms. Vandana Rupnar Ms. A.S. Shaikh
16	01/05/2022	SE	DSA	Algorithmic strategies	Dr. Aarti Agarkar, Ms. Shubhada Mone
17	10/05/2022	TE	WT	Django Framework	Ms. Asma Shaikh, Ms. Vandana Rupnar

## Webinars Organized

Sr. No.	Date	Class	Topic	Activity under (Professional bodies/IEEE students branch/IIIC/MCIII/MoUs/COE etc.)	Faculty Coordinator	Resource person details (Name, designation, organization, contact details)
1	15/07/2021	All student	Webinar on Role of Supercomputer in WeatherForecasting	CoE	Pooja Dhule	Dr. Anupam Kashyapi, IMD, Pune
2	24/08/2021	All student	Webinar on AI and ML using Python	CoE	Mrs. Asma Shaikh	Mr. Pratik Tiwari, Manish Singh ATS Infotech ,

## Industry Visit Organized

Sr. No.	Date	Class	Industry	Faculty Coordinator
1	12/4/2022	SE & TE	Ayaskanta Pvt. Ltd. Pune	Ms. Asma Shaikh & Ms. Ila Savant



## Seminar/Workshops/Conference/STTP/FDP Organized

Sr. No	Title of the Program	Duration	Name of Industry	Resource Person
<b>Semester I</b>				
1	One day workshop on 'Latex: Open-Source tools'	03/06/2021	Cummin's College of Engineering	Mrs. Pooja Deshmukh
2	International STTP on Advanced application of Machine Learning and Artificial intelligence	02/8/2021-6/08/2021	1. Invent On US, India 2. Curtin University, Perth, Australia 3. iknowlation Research Labs Pvt Ltd, 4. Verizon Brussels Region, Belgium 5. Genpact - RAGE Frameworks Inc. Pune 6. NPower Canada, Toronto 7. Acumen Today Pvt. Ltd. Pune 8. Canada 9. SKNCOE, SP Pune University 10. COEP, Pune 11. Digitrans Solution Bangalore	1. Mr. Hemant Dusane, CEO 2. Dr. Himanshu Agrawal 3. Dr. Parag Kulkarni, Chief Scientist and Advisor 4. Mr. Mahesh Pavaskar, Technical Product Lead 5. Mr. Shadab Hussain, Assistant Manager 6. Ms. Sonia Jain, Technical Trainer 7. Mr. Atul Bengeri, Director 8. Dr. Mijal Mistry Canada, 9. Dr. Araddhana Deshmukh, Professor 10. Mr. Abhishek Patange, Assistant Professor 11. Dr. Anbunathan Ramaiah, Founder & CEO
3	Workshop on "CUDA Programming and its Applications" under CSI	31/08/2021	NVIDIA, Pune	Mr. Pavan Tupe Sr. System Software Engineer
4	Hands-on session on "Interactive documentation using LaTeX"	16/10/2021	Dr. Daulatrao Aher CoE, Karad	Dr. Sarita Balshetwar, Associate Professor
5	Training program on "Machine Learning & AI with Python" followed by Microsoft Certification" in association with ATS Technologies Pvt. Ltd.	11/10/2021 to 16/10/2021	ATS Infotech, Pune	Mr. Aman Upadhaya, Sr. Engineer, ATS Infotech Pune
6	Seminar on Full Stack Web Development under CSI	30/10/2021	Addvic Pvt Ltd	Mr. Prasad Surase

7	Upcoming Trends and Technologies (Prerequisites for internship on AI, ML and Data Science)	13/11/2021	ProcMart, TIOS and Through River Edu group.	Mr. Pratik Potnis, Founder
8	One day workshop on Cyber Security (Theory & hands-On)	15/11/21	IQSPL Pvt. Ltd	Ms. Seema Dixit Lead Security Trainer & Senior Security Consultant
9	Add on course on Full Stack Development	12/11/2021 to 23/11/2021	Addvic Pvt Ltd	Mr. Prasad Surase, Web Developer, Addvic Pvt. Ltd

### Semester II

1	Online One Week Faculty Development Program on “Recent Trends in Quantum Computing”	21/03/2022 to 25/03/2022	<ol style="list-style-type: none"> <li>1. Dhirubhai Ambani Institute of Information Tech, Gandhinagar</li> <li>2. Altimetrik Pune</li> <li>3. Strategy and Consulting at TCS Research Qiskit Advocate</li> <li>4. Harness, Bangalore</li> <li>5. TCS Research</li> </ol>	<ol style="list-style-type: none"> <li>1. Manish Kumar Gupta (IIT Kanpur) Vinay Phadnis, Director Atomic Loops, Pune</li> <li>2. Himanshu Vaidya (PhD in Quantum Computing),</li> <li>3. Sayantan Pramanik, Manoj Nambiar, Principal Scientist, TCS Research</li> <li>4. Vivek Kumar Bansal, Principal Software Engg. (UI)</li> <li>5. Dr Girish Chandra, Principal Scientist</li> </ol>
2	REIMAGINE 2022 five days National UI/UX Designathon	27/1/2022 to 31/01/2022	<ol style="list-style-type: none"> <li>1. Juspay</li> <li>2. SMExpert</li> <li>3. SMExpert</li> <li>4. Volkswagen IT Services, Pune</li> <li>5. Computer Society of India's (CSI) National Executive Committee</li> </ol>	<ol style="list-style-type: none"> <li>1. Deepanshu Kumar, UI/UX Designer, Juspay</li> <li>2. Ankit Gupta, Co-founder, SMExpert</li> <li>3. Pritam Saswade, Co-founder, SMExpert</li> <li>4. Ritik Kesarwani, Software Engineer Trainee, Volkswagen IT Services, Pune</li> <li>5. Mr. Pradeep Rathi Regional Vice-President Region 6 (Maharashtra &amp; Goa)</li> </ol>
3	One day workshop on Blender: Open-Source Tool	9/04/2022	Animationwala.com	Mr. Rajesh Khele Mr. Karthik S Mr. Prasad Nimse
4	One day workshop on 'AWS Cloud' under CSI	9/04/2022	IQSPL Pvt Ltd.	Ms. Seema Dixit
5	One day conference 'cPGCON-2022' 11 <sup>th</sup> postgraduate conference at Department of Computer Engg,	21/5/2022	<ol style="list-style-type: none"> <li>1. Persistent systems</li> <li>2. VIIT- AIDS</li> <li>3. PICT, Pune</li> <li>4. DR. D. Y. Patil Institute of Technology, Pune</li> </ol>	<ol style="list-style-type: none"> <li>1. Dr. Bhushan Garware, Data Scientist,</li> <li>2. Dr. Parikshit Mahalle, Head</li> <li>3. Dr. Geetanjali Kale, AP</li> <li>4. Dr. Santosh Chobe, Professor &amp; HOD - Computer Engineering,</li> </ol>

	MMCOE in association with Board of Studies in Computer Engg, Savitribai Phule Pune University, Pune		<ul style="list-style-type: none"> <li>5. VIIT Pune</li> <li>6. AGTI's DACOE, Karad</li> <li>7. I2IT, Pune</li> <li>8. SCTR's Pune Institute of Computer</li> <li>9. Vishwakarma Institute of Information Technology, Pune</li> <li>10. MITSOE, MITADT University, Loni Kalbhor, Pune</li> <li>11. Vishwakarma University, Pune</li> <li>12. MIT ADT University, Pune</li> <li>13. Cummins College of Engineering, Pune</li> <li>14. Hope Foundation's International Institute of Information Technology, Pune</li> <li>15. I2IT</li> <li>16. MITADT's SOE</li> <li>17. Vishwakarma Institute of Technology, Pune</li> </ul>	<ul style="list-style-type: none"> <li>5. Dr. Nilesh Sable- Associate Prof</li> <li>6. Dr. Sarita Balshetwar- Associate Professor</li> <li>7. Dr. Uma Godase- Associate Professor, Department of CoE</li> <li>8. Dr. Kavita Sultanpure- Associate Professor, Department of IT Pune</li> <li>9. Dr. Mandar Karyakarte- Professor - Computer Engineering, Dean Finance</li> <li>10. Dr. S. K. Pathan- Professor, Department of CSE</li> <li>11. Dr. Prasad Gokhale-Director, Research Department</li> <li>12. Dr. Ganesh Pathak- Professor, Dept. of CSE, School of Engineering</li> <li>13. Dr. Chhaya Gosavi-Asso. Professor (Dept of Computer Engineering)</li> <li>14. Dr. Ajit Shitole- Associate Professor and HoD, Computer Engineering</li> <li>15. Dr. Sanddep Patil- ASSOCIATE PROFESSOR, Department of CoE</li> <li>16. Mr. Madhukar Nimbalkar- Assistant Professor, CSE dept</li> <li>17. Dr. Sangeeta Jaybhaye-A. P. at Department of Computer Engineering</li> </ul>
6	Kali Linux Workshop Under ISACA	7/5/2022	Indio Networks Pvt. Ltd.	Mr. Varad Chiney (Software Engineer at Indio Networks Pvt. Ltd.)

## Student Chapters

Sr. No.	Title of Activity	Organizer/ Resource Person	Dates	Events outcomes
<b>CSI</b>				
1	Workshop on “CUDA Programming and its Applications”	Mr. Pavan Tupe, Sr. System S/W Engg, NVIDIA	31/08/21	Understood the basics about CUDA programming and its application.
2	Code Mania 2.0	Ms. Shweta Kothawade S/W Engg. Trainee, Volkswagen IT services. Mr. Mahipal Mehta, IT Trainee, FIS Global. Mr. Pranav Jadhav, Labs Team Lead, S/W Engg. at Raja Software.	20/09/21 to 21/09/21	Participants could showcase their clarity of theoretical concepts related to their preferred programming language in round 1.
3	Seminar- Full-Stack Development	Mr. Prasad Surase Addvic Technologies Pvt. Ltd.	30/10/21	Understood the basics about Full stack web development and its technologies.
4	Hands-On Workshop: Cyber Security	Ms. Seema Dixit (Trainer, Cybersecurity, AWS Cloud Computing)	15/11/21	Students learned about various cybercrimes and its precautions as well understood the concepts of malware
5	REIMAGINE 2022 five days National UI/UX Designathon	Mr. Pradeep Rathi Regional Vice-President CSI	27/01/22 to 31/01/22	Participants could showcase their technical skills in a designing competition for UI/ UX. Judges guided the students.
6	Motivational session on “My Entrepreneurial Journey”	Mr. Vinay Phadnis and Mr. Anuj Mokashi Director, Atomic Loop	14/02/22	Understood the startup process, business environments and financial assistance
7	One day workshop on ‘AWS Cloud’ under CSI	Ms. Seema Dixit IQSPL Pvt LTD	09/04/22	Understood concepts of AWS Cloud.



**ISTE**

8	ISTE Awareness Programme and 'Mastering Your Masters' Webinar	Ms. Surabhi Dewra, CEO, CareerGuide.com	04/09/21	Awareness about different career opportunities after graduation.
9	Hacksprint V2.0, a 36 hours coding competition	Chief guest: Dr. Dattatraya Parle, Founder & Technology Expert, Simulation Center	08/10/21 to 10/10/21	Participants showcased their coding talent and got guidance.
10	Hands-On Workshop on 'Power BI', was conducted by ISTE SC	Mr. Ankur Singh, PowerBI Developer, Packt	17/01/22	Students understood workflow preparation using Power BI
11	Fast Assessment by Company Experts	Chief guest: Mr. Akash Gaikwad-Senior Executive at Xoriant	22/04/22 to 23/04/22	Students experienced the interview process of campus placements.

**ISACA**

12	Orientation Program	Pushkar Dhole – President. Aditya Ponshe Director Prasad Wadwekar	22/01/22	Got awareness about ISACA Student chapter and benefits of its certification.
13	Smart India Internal Hackathon	Mr. Ajinkya Jiman (Sr. S/W Engg.) Ms. Mamata Gandhe (Asso. Test Engg. Schlumberger)	09/03/22 to 10/03/22	15 teams were shortlisted for the next round of SIH
14	Hands on training workshop on Kali Linux	Mr. Varad Chiney (S/W Engg. Indio Networks Pvt. Ltd. )	07/05/22	Students gained knowledge about Kali Linux and comprehended the fundamentals of cyber security.

**IEEE**

15	Speak for yourself(Debate)	NA	24/07/21	Students participated and enhanced the thinking process.
16	UXplore-Interface (design competition)	Mr. Rohan Thuse	26/07/21	Students benefited in the skill of UI design.
17	Inauguration of Book Club	Ms. Shraddha Rane	05/10/21	Students came together discuss
18	Plethora (Collaborative event with I <sup>2</sup> IT)	Rahee Walambe, Mr. Varad Chiney,	16/10/21	The understanding of several domains was appreciated by students from MMCOE and other colleges.

19	Techno-2K22 - Poster Presentation Competition	Mr. Narendra Sancheti, Dr. Anushka Shemnekar, Mr. Avinash Magdum, Dr. Gopal Gawande.	29/01/22	Along with many creative ideas, students improved their presentation skills.
20	Technify Webinar	Mr. Prateek Thakre, Mr. Bhargav Pandillapalli, Mr. Sandeep Shroff, Mr. Abhishek Bhattacharya	12/02/22 to 13/02/22	Pupils from MMCOE learned about the recent trends in IT developments.
21	Open mic2.0: Cultural Event	NA	23/02/22	Students showcased a variety of talents such as singing, poetry, plays, etc.
22	Webinar on "Introduction to MUN"	Mr. Sujay Bhagwat, S/w Engineer, Prosperii	08/04/22	Information was provided to students on various IT trends.
23	GitHub Workshop	Mr. Apurv Deshpande, S/W Engg., T-Systems ICT India Pvt. Ltd.	09/04/22 to 10/04/22	Students gained awareness in computer Technology and its applications.
24	Webinar on SAP	Mr. Sagar Lad, SAP developer, Wipro Technologies	23/04/22	Students were acknowledged about new developing tool and its applications in real life

## ACES

25	SE Induction	Aces Team	5/10/21	SE Students were welcomed
26	Full Stack Web Development.	Mr. Prasad Surase (Addvic Technologies Pvt Ltd)	30/10/21	Understood the basics about Full stack development
27	Workshop on HR interview cracking tips.	Mr. Manish Jha (Squadinfotech.in)	17/11/21	Students are able to prepare resume and HR interview cracking Tips
28	Elocution Competition	NA	26/11/21	Build courage and Confidence
29	Product-Based Project Competition	NA	14/12/21	Students are able to explore their technical skills in a positively competitive environment.
30	Blender Workshop	Mr. Rajesh Khele, President Animationwala.com, Mr. Prasad Nimse, Developer, Accenture Mr. Kartik Shriniketan, Freelancer	09/04/22	Students were able to: 1. Create simple animated videos to generate Social Awareness. 2. Differentiate between rendering on CPU and GPU.
31	Farewell Function	ACES team	30/04/22	Bid farewell to BE students

# Glimpses



**E ASSOCIATE DIARY**

**cPGCON 2022 Organized at MMCOE**



"A good Initiative by Marathwada Mitra Manda's College of Engineering for the upcoming researchers in the field of Computer Engineering, A.I.&D.S., and Networking". Appreciation by Dr. Bhusan Garware, Data Scientist, Persistent Systems in his speech.

11th Post Graduate Conference for Computer Engineering "cPGCON 2022" organised by department of Computer Engineering, MMCOE in association with Board of Studies (Computer

Engineering), Savitribai Phule Pune University on 21st May 2022.

The Conference was inaugurated and proceedings were released by Dr. Bhusan Garware and Dr. Geetanjali Kale, Member, Board of Studies SPPU, Prin. B. G. Jadhav, Exec. President, MMM, Dr. Parikshit Mahalle Ex. Member, BOS and Head, AI-DS, VIT, Pune. The event was successfully conducted with the support of Management, under the guidance of Dr. V. N. Gohokar, Principal, MMCOE.





'येथे बहुतोंचे हित ।'

# Marathwada Mitra Mandal's **COLLEGE OF ENGINEERING**

Karvenagar, Pune



Permanently Affiliated to SPPU | Accredited with 'A' grade by NAAC

Recipient of 'Best College' Award in 2018-19 by SPPU

Accredited by NBA [ Electrical Engg. & Mechanical Engg. Department ]

Department of Computer Engineering: 2021-22 Batch



With happy & glorious memories, we bid them adieu...

