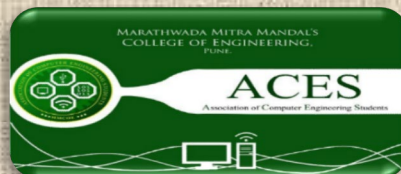


# ZENITH 2k20

NEWSLETTER ISSUE – 6, JUNE 2019 - MAY 2020

## DEPARTMENT OF COMPUTER ENGINEERING



Designed and Edited by:

Staff:

- Mrs. Ila Savant

Students:

- Shweta Kothawade
- Mamata Gandhe

## 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 problem.
- To impart education to students with innovative and research skills to make them competent to solve social problems.
- To strengthen link with industry through partnership and collaborative developmental work.

## Strengths of Department

- Department is recognized as a ‘GPU Education Centre’ by NVIDIA.
- Development of innovative projects under ‘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 ‘Aadhar Club’.

## Students Admitted in 2019-2020

FE	SE	TE	BE	ME
136	139	133	145	7

## Staff in 2019-2020

Teaching Staff	Non-Teaching Staff
21	4

## Faculty Research Group Activities

### ✦ Research Projects Submitted to Funding Agencies

- ✓ Ms.Sarita Sapkal and Dr.Sandeep Chaware are working on ‘Establishment of SPARSH Center in Agri-Tech thematic area’
- ✓ Ms.Sarita Sapkal, Ms.Geetha Chillarge & Ms.Pradnya Mehta are working on ‘IoT Based Smart Farming’
- ✓ Dr. H. Khanuja is working on ‘Swarm intelligence using drones’

### ✦ Faculty Projects Ongoing

- ✓ Dr. H. Khanuja is working on ‘SWARM Robotics’ , ‘Mobile Based simulation on SWARM’, ‘Drone reinforcement’ and ‘Omics report software using Django’
- ✓ Dr. S. Chaware is working on ‘Stress Detection assistant using machine learning’
- ✓ Ms. I. Savant, Ms. V. Rupnar, Ms. S. Jadhav are working on ‘A visualization approach to air pollution data exploration for mitigation and management’
- ✓ Ms. A. Shaikh, Ms. S. Mone are working on ‘Anomaly based IDS for banking domain’
- ✓ Ms. S. Shekapure is working on ‘Classification of defective fuses with deep learning’
- ✓ Mr. K. Khairnar is working on ‘Automatic disease detection’
- ✓ Ms. S. Mone is working on ‘digital agriculture system for crop prediction and disease analysis’
- ✓ Ms. R. Dalvi is working on ‘Attendance management system using fingerprint’
- ✓ Ms. S. Jadhav is working on ‘Finger vein authentication system’
- ✓ Ms. S. Sapkal is working on ‘Pesticide Detection on Banana’

# STUDENTS' ACHIEVEMENTS

## ✓ SEM 1 RESULTS

Sr.	Year	Toppers	SGPA
1	FE	1)Reddy Trupti Dattatrya 2)Padamawar Sayali Venkatesh 3)Phadatre Shubham Vijaykumar	9.72 9.59 9.40
2	SE	1) Godbole Priyanka Rajendra 1) Kerkar Ketki Sunil 2) Kadam Saniya Mahendra 3) Nesarikar Kimaya Sunil	9.84 9.84 9.80 9.64
3	TE	1) Kothawade Shweta Ganesh 2) Patil Shreya Vasant 2) Kumbhar Kajol Pandurang 3) Deshpande Apurv Shrikant	9.34 8.91 8.91 8.82
4	BE	1) Tahashildar Shreeya Ashok 2) Dere Pramila Rajendra 3) Mhalgi Shreya Milind 3) Shedge Pratiksha Dhanaji	9.68 9.50 9.41 9.41
5	ME (FE)	1) Sarode Snehal Narendra 2) Pawar Ashwini Shivaji 3) Chaskar Shubham Dttatraya 3) Rathod Shridevi	8.48 8.36 8.16 8.16
6	ME (SE)	1) Joshi Shweta Neha 1) Rankhambe Bharti Pralhad 2) Pathak Anjali Mukund 2) Pawar Reshma Ravindra 3) Nikam Shivani Suresh	8.68 8.68 8.48 8.48 8.32



## FELICITATION OF TOPPERS

## ✓ CERTIFICATION

- Spoken Tutorial Test Report for Academic Year 2019-20:

Sr. No.	Semester	Date	Class	Subject	No. of Students Participated	No. of Students Passed
1	I	8th Aug 2019	S.E.	Advanced CPP	135	127
2		9th Aug 2019	TE	RDBMS PostgreSQL	105	102
3		10th Aug 2019	BE	Python	107	73
4	II	19th March 2020	SE	Java	124	113
5		20th March 2020	TE	PHP & MySQL	122	120
6		21st March 2020	BE	Scilab	112	82

- Online Certification Report for Academic Year 2019-20:

Sr. No.	Semester	Name of Course	Certification	Class	Coordinator	No. of students Completed Certification
1	I	Python for Data Science	Cognitive class	SE	Ms.S.B.Jadhav & Ms.A.V.Shinde	136
2		SQL Fundamentals	Solelearn	TE	Ms.A.A.Shaikh & Ms.P.S.Mehta	110
3		Java	Solelearn	TE	Ms.V.S.Rupnar	110



### Name: Anurag Tomar (TE)

Created corona awareness songs and Qawwali for helping government to spread awareness and one for giving thanks to all the workers like Doctors, Police, Military and cleaning worker who are working for country by taking a risk of their life and their family. These videos were broadcasted on national televisions and local televisions and also gone viral on YouTube.

*Spectacular achievement by our extra-ordinary student!!*

## ✓ EXTRA-CURRICULAR ACTIVITIES



Shrutika Sarode



Archita Palkar



Aditya Patwardhan



Neha Date



Amey Ponkshe

✚ **Shrutika Sarode** (T.E.) secured Gold medal in 57th National Roller Skating championship held at Visakhapatnam, Andhra Pradesh and won 4th consecutive Gold medal in the National championship.

Also she secured First Position in Speed Slalom event in 30th Maharashtra State Roller Skating championship 2019 organized by Skating Association of Maharashtra at PTKS Vile-Parle (East), Mumbai held on 9th and 10th November 2019.

✚ **Archita Palkar** (T.E.) participated in the inter-collegiate Chess competition organized by SPPU on 10th October 2019 and secured 4th position.

✚ **Aditya Patwardhan** (T.E.) secured 2<sup>nd</sup> position in 4th Open national Taekwondo championship 2020 held at Pune from 16th January to 19th January 2020

✚ **Neha Date** (B.E.) participated in the ABSS National level Dance competition at Pune and secured 1st position in Duet and 3rd position in Solo category on 26th May 2019. She also participated in the ABSS International level Dance competition on 28th December 2019 at Singapore and was winner of the competition.

✚ **Amey Ponkshe** (T.E.) participated in SPPU Inter-Zonal Artistic Gymnastics (Men) competition held at P.VP College, Pravaranagar, Ahmednagar on 23rd and 24th September 2019.

✚ **Shivani Ingale** (B.E.) participated and secured Fourth position in SPPU Pune City Zone Intercollegiate Chess (Men) competition Organized by MMCOE, Pune from 4th October to 10th October 2019.

✚ **Arnav Gandhe** (T.E.) participated in the Global MPTFS Biodiversity Quiz 2020 conducted during the lockdown and won the gold medal.



Ilhaam Shaikh



Komal Laghate



Shreeya Tahasildar

✚ **Ilhaam Shaikh** (B.E.) and **Kartik Shriniketan** (T.E.) participated and secured Third position in the SPPU Pune City Zone Intercollegiate Chess (Men) competition Organized by MMCOE, Pune from 4th October to 10th October 2019. Also, **Ilhaam Shaikh** participated in FIDE tournament (international chess federation that gives ratings to professional players) and became FIDE rated chess player with standard rating of 1150. **Ilhaam Shaikh** also secured First position in MM's Chess Blitz Tournament.

✚ **Shweta Kothawade** (T.E.) was awarded as the 'Student of the Year – Best Performer' at Melange 2.0, Annual Dance show of Studio9.

✚ **Komal Laghate** (B.E.) participated and secured First position in ZEST 2020 Carrom Girls Competition organised by COEP, Pune during 23-26 January 2020.

✚ **Shreeya Tahashildar** (B.E.) was awarded as 'Best Outgoing 2k20' from the Department of Computer Engineering. Also, she was selected as the 'Cultural Secretary' for Ensemble 2k20.

#### ✚ Ensemble 2K20 Sports Competitions:

- Department of Computer Engineering won the 'Football' tournament and the team was captained by **Aditya Chandras**.
- **Shruti Bartakke** captained the 'Tug of War (Girls)' team which stood as the Runner-Up.
- The 'Dodgeball' girls' team was captained by **Shreeya Tahsildar** which became the Runner-Up.
- The girls' team for 'Throwball' secured the position of Runner-Up and was headed by **Shreeya Tahsildar**.
- In the 'Table Tennis' matches, **Archita Palkar** stood first while **Bhakti Kulkarni** became the Runner-Up.
- The 'Basketball' boys' team became the first ranker in the tournament under the captainship of **Gaurav Kulkarni**.

## ✓ CO-CURRICULAR ACTIVITIES

- ✚ **Yash Nadkarni** (T.E.) secured the First position in 'C++ Language' (C++ Crackers) in 'CODE MANIA 2k19' Organised by the CSI Students' Chapter and Technical Event Committee at MMCOE, Pune on 21st Sept.2019.
- ✚ **Mahipal Mehta** and **Shweta Kothawade** were the chief student coordinators for Dexterity 2k20.
- ✚ **Omkar Jadhav** (S.E.) was winner in 'Python Language' (Python Panthers) in 'CODE MANIA 2k19'.
- ✚ **Nihar Salunke** (T.E.) was the winner in 'Python Language programming' (Python Panthers) in 'CODE MANIA 2k19' organised by the CSI Students' Chapter and Technical Event Committee at MMCOE, Pune on 21st Sept 2019.
- ✚ **Nihar Salunke** (T.E.) was the winner in 'Python Language programming' (Python Panthers) in 'CODE MANIA 2k19' organised by the CSI Students' Chapter and Technical Event Committee at MMCOE, Pune on 21st Sept 2019.
- ✚ **Chinmay Dunakhe**(T.E.) and **Sopan Thakur**(T.E.) participated in 'C++ Language programming' (C++ Crackers) in 'CODE MANIA 2k19' and their team was the 2nd Runner-Up.
- ✚ **Chinmayi Athavale, Manali Athavale, Sukhada Dole, Sakshi Channe, Mamata Gandhe, Tanmai Muke, Shweta Kothawade** and **Mahipal Mehta** participated in the Blockchain Boot Camp organized at VIIT, Pune.
- ✚ **Mahipal Mehta** participated in Face v1.0 organized by the ISTE Students' Chapter from 26<sup>th</sup>-28<sup>th</sup> September 2019 and got selected for an internship with BluePlanet Solutions.
- ✚ **Sanket Kudale, Shweta Kothawade** and **Mahipal Mehta**, and participated in the 'Satellite Making Workshop' organized by the Zenith Astronomy Club, MMCOE in collaboration with Hystoristic Innovations on 14<sup>th</sup> and 15<sup>th</sup> March 2020 and successfully developed a can-sized satellite (CANSAT).
- ✚ **Mahesh Kulkarni** (B.E.) had participated and secured 2nd Position in 'HackSprint v1.0' which was the 36-Hours coding competition organized by ISTE Students' Chapter, MMCOE and ACM Students' Chapter, MMCOE at MMCOE, Pune on 22nd-24th March 2019.
- ✚ **Nihar Salunke** (T.E.) became the Runner-Up in 'ALGOHOLICS' at TEXEPHYR'19 held at MIT, Pune on 15<sup>th</sup> and 16th March 2019.
- ✚ **Shreeya Tahasildar** (B.E.) won the 'Creative Writing Competition' Organised by the ISTE Students' Chapter, MMCOE, on 18th Sept 2019.
- ✚ **Nihar Salunke** (T.E.) secured 3rd Position in 'Code Blooded' organised under 'Bits N Bytes' at 14th AISSMS ENGINEERING TODAY-2019 at AISSM COE, Pune on the 18<sup>th</sup> and 20th Sept 2019.
- ✚ **Nihar Salunke** (T.E.) was selected as a 'Semi Finalist' in 'Code-Break' at TEXEPHYR'19 at MIT, Pune on 15th-16th March 2019.
- ✚ **Anuj Mokashi** (S.E.) secured 2nd Position in Paper Presentation -Comp/IT in 'MINDSPARK 19' at COE, Pune.
- ✚ **Anuj Mokashi** (S.E.) bagged the 2nd prize in Paper Presentation Competition in 'CREDENZ 19' Mapping Minds at PICT, Pune on 20-22 Sept 2019.
- ✚ **Ayush Pathak** (T.E.), **Sanket Kale** (B.E.) and **Rutuja Shitole** (B.E.) participated and secured 3rd Position in 'E-Yantra Robotics Competition' (eYRC-2018) held at IIT Bombay on 29th -30th March 2020.

- ✚ **Anuj Mokashi** (S.E.) and **Soham Pingat** (S.E.) secured the position of Runner-Up in Software Edition of 'Robo-Hack 1.0' organized by AMURoboclub. Their winning stroke was an app which could show the latest statistics' of Covid-19 from all over the world.
- ✚ **Divya Rajput**(B.E.) participated in the nine-days 'HackOn Hackathon'-a Pan India Online Hackathon held from 11<sup>th</sup> to 19<sup>th</sup> April 2020.
- ✚ **Swarali Jagdale** (S.E.) won the 'Tech-Hunters' competition organized by IT Department on 20<sup>th</sup> February 2020 under Dexterity 2k20.

### ✓ **Dexterity 2k20**

- ✚ This year the Annual National Technical Event of MMCOE, 'Dexterity 2k20' was organized by Computer Department on 20<sup>th</sup> February 2020.
- ✚ **Samir Kapure** won the 'Code Marshal' competition.
- ✚ **Harshal Kulkarni** and group stood first in the event called 'Fight Club'.
- ✚ **Sawani Ingale** and group won the 'Poster Presentation' competition.

## **EVENTS CONDUCTED UNDER PROFESSIONAL BODIES**

### ✓ **CSI Students' Chapter**

- ✚ This students' chapter worked under **Ms. Asma Shaikh** who was the faculty coordinator for the same.
- ✚ **Ms. Mamata Gandhe** and **Mr. Shrihari Pund** successfully coordinated the industrial visit to PARI Industries on 13<sup>th</sup> July 2019.
- ✚ **Ms. Neha Kolekar** and **Mr. Sushant Warwate** coordinated the seminar on 'Agile Framework' conducted by Mr. Prashant Pund on 2<sup>nd</sup> August 2019.
- ✚ **Mr. Apurv Deshpande** and **Mr. Kartik Shriniketan** coordinated the workshop on 'MongoDB' with the guidance of Mr. Parag Akole as the resource person on 9<sup>th</sup> August 2019. Total 76 students participated in the workshop.
- ✚ **Mr. Mahipal Mehta, Ms. Shweta Kothawade** and **Mr. Sanket Kudale** coordinated the intercollegiate coding competition 'CodeMania-2k19' on 21<sup>st</sup> September 2019 which marked a thunderous participation of 72 teams from colleges all over Pune.
- ✚ **Ms. Sakshi Channe** and **Ms. Krishnaveni Chilka** coordinated the intercollegiate workshop on 'Hiberbate' with Mr. Kunal Sonu as resource person. It was held on 11<sup>th</sup> February 2020.
- ✚ During the lockdown, a live webinar was on 'Deep Learning and its Applications' was organized under CoE on 18<sup>th</sup> April 2020 with Mr. Pranith Kothari as the guest speaker.
- ✚ In addition to this, a live expert session on 'Django Framework' was organized on 2<sup>nd</sup> May 2020 where Mr. Jay Parekh was the guest speaker. There were 55 participants in this session.



## ✓ ACES (Association of Computer Engineering Students)

- ✚ The 'Aces Core Committee' of 12 members was formed on 15<sup>th</sup> July 2019 under the guidance of faculty advisor **Ms. Ashwini Bhugul**.
- ✚ The 'Teachers' Day' was celebrated with great pomp and joy on 5<sup>th</sup> September 2019 to show gratitude towards our able faculty members.
- ✚ A workshop on 'Website Development' was conducted for SE students under ACES.
- ✚ The 'Academic Technical Assessment Activity (ATA) was conducted on 27<sup>th</sup> September 2019 to assess the technical knowledge and capability of the students. Total 142 students participated in this event.
- ✚ The ACES committee members were felicitated in a 'Student Chapter Felicitation Programme' organized on 11<sup>th</sup> January 2020 in association with ISACA and CSI.
- ✚ In order to enhance the artistic perspective of students, there was a 'Doodling Art Competition' conducted on 8<sup>th</sup> February 2020.
- ✚ A 'Product Development Competition' was organized for TE students through online sessions on the 21<sup>st</sup> and 22<sup>nd</sup> April 2020 which has 133 participants.

## ✓ ISACA Students' Chapter

- ✚ The ISACA Students' Chapter was formed under faculty advisor **Ms. Pooja Deshmukh**.
- ✚ The members of this students' chapter participated in the ITS 2019 Conference on 'Privacy- Myth or Reality' held on 20<sup>th</sup> and 21<sup>st</sup> July 2019.
- ✚ Also, ISACA Students' Chapter organized a 'Paper Presentation Activity' for M.E. students.

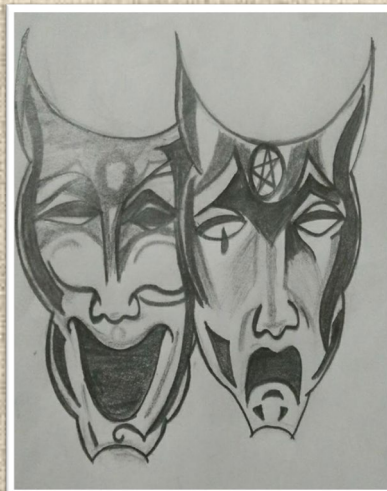
## ✓ Technical Event Committee

- ✚ This committee worked under the able faculty advisor **Ms. Rupali Dalvi**.
- ✚ This committee organized the intercollegiate coding competition 'Code Mania 2k19' in association with the CSI Students' Chapter.
- ✚ The 'Product Development Competition' for TE students was organized by this committee along with ACES.

*Creativity at its peak!!*



Outstanding sketch of Virat Kohli  
by Chinmay Dunakhe (TE)



Amazing sketch drawn by  
Priti Parkhad (TE)



Beautiful Madhubani art  
by Sukhada Dole (TE)

## ✓ Center of Excellence - BE projects Completed in A.Y. 19-20

Sr	Title	Students Name	Guide Name
<b>High Performance Computing</b>			
1	Intelligent Drone Swarm	Sanket Kale, Varad Chiney, Nikhil Joshi, Pravin Kadam	Dr. H. K. Khanuja
2	Detection of mental disorders using social network and recommendation of preventive measures	Manali Athavale, Chinmayi Athavale, Tejas Baraskar, Chaitanya Makashir	Dr. S. M. Chaware
3	Surveillance robot for high altitude regions like Siachen.	Vishakh Shewalkar, Komal Laghate, Shivani Ingale	Ms. S. B. Jadhav
4	Devanagari and English Text Recognition from document images	Rupak Kulkarni	Ms. S. S. Shiravale
5	Handwritten Character Recognition using Machine Learning.	Ketki Ganu, Prajakta Marne, Shreya Mhalgi, Radhika Phadke	Ms. S. N. Shekapure
6	An Intelligent Scene Exploration and Evaluation Platform for Large-Scale Visual Surveillance	Aishwarya Bobe, Shruti Shinde, Pratiksha Palve, Aditi Helaskar	Ms. S. P. Mone
7	NLP and automation using Slack API	Vedang Wartikar, Ilhaam Shaikh, Rutuja Shitole	Ms. P. S. Mehta
8	Human Age and Gender Recognition	Radhika Khiste, Suteja Patil, Shreeya Tahasildar, Shreeya Tambolkar	Ms. A. D. Kulkarni
<b>Cyber Security</b>			
9	Bank Statement Analysis	Mahesh Milind Kulkarni, Sukrut Pendharkar, Pranav Kulkarni, Ishan Padalkar	Ma. A. V. Shinde
<b>Artificial Intelligence / Machine Learning</b>			
10	Detection of defects and classification of correctly and wrongly configured fuse boxes used in wiring harnesses in automobiles with Deep Learning.	Avaneesh Khandekar, Siddharth Yawatkar, Arnav Rokde, Tanmay Gokhale	Ms. S. N. Shekapure
11	To prepare Omics Reporter Software Using Django and AWS	Swapnil Deshpande, Rohan Kalgutkar, Omkar Mahadar, Aditya Deshpande	Dr. H. K. Khanuja
12	Telephonic Communication of Companies	Manasi Sheode, Switi Shinde, Manasi Sonawane, Mrunmayee Thakurdesai	Ms. S. N. Shekapure
13	Smart Meeting Assistant	Apoorva Dharadhar, Shreya Mangade, Samir Kapure	Ms. G. R. Chillarge
14	Creating a Cloud based CRM platform using Devops and AWS	Hemant Rathod, Shubham Thigale, Susmita Karyakarte, Aishwarya Kulkarni	Ms. I. S. Savant
15	Finger Vein Authentication System	Tanvi Garud, Isha Takawale, Neha Date, Navani Udgaonkar, Sawani Ingale	Ms. S. B. Jadhav
16	Chatbot Application for Tourists	Shraddha Birajdar, Siddhi Lanke, Divya Rajput	Ms. P. K. Dhule
17	Pesticide Detection on Fruit (Banana)	Prerana Aghorker, Abhay Kathar, Kamlesh Laghate, Kumar Sanu Lal	Ms. S. D. Sapkal

## ✓ Placements

Sr.	Name of Student	Company
1	Chinmayi Athavale	TCS
2	Suteja Patil	Schlumberger
3	Aditya Kulkarni	Schlumberger
4	Shreeya Tahasildar	Schlumberger
5	Yogini Deshpande	Schlumberger
6	Shreeya Tahsildar	Schlumberger
7	Shaikh Illham	Hitachi Consulting
8	Aditya Chandaras	Altimetrik
9	Vishakh Shewalkar	Altimetrik
10	Mahesh Kulkarni	Infosys
11	Kajal Shahane	FIS GLOBAL
12	Rahi Jaiswal	FIS GLOBAL
13	Aditya Deshpande	LTI
14	Sanket Kale	Xoriant
15	Shreeya Tahasildar	Persistent
16	Radhika Phadke	Persistent
17	Chinmayi Athavale	Persistent
18	Vedang Wartikar	Persistent
19	Sejal Dhadiwal	Persistent
20	Nilesh Suryawanshi	Persistent
21	Kumar Sanu Lal	IBM
22	Kamlesh Laghate	Sigma Systems
23	Tanmayai Khedekar	Cognizant
24	Sakshi Tonde	Cognizant
25	Yogini Deshpande	Bitwise
26	Susmita Karyakarte	Bitwise
27	Prajakta Marne	Bitwise
28	Tanmayai Khedekar	CapGemini
29	Shubham Koul	CapGemini
30	Arnav Rokade	Aress Software
31	Kiran Landge	Aress Software
32	Prerna Aghorekar	Aress Software
33	Tanmay Bhawasar	LTI
34	Mihir Phatak	LTI
35	Ketki Ganu	LTI
36	Sawani Ingale	LTI
37	Shreya Mhalgi	LTI
38	Siddharth Yawatkar	LTI
39	Shubham Koul	LTI
40	Shivani Ingale	TechVerito
41	Pranita Kusumde	Fiserv
42	Tanmay Bhawasar	TCS
43	Samir Kapure	TCS
44	Khandekar Avneesh	TCS
45	Ishan Padalkar	TCS
46	Sukrut Pendarkar	TCS
47	Tanvi Garud	TCS
48	Isha Takawale	TCS

49	Shreya Mangade	TCS
50	Komal Laghate	TCS
51	Rohan Kalgutkar	TCS
52	Apoorva Dharadhar	TCS
53	Rohan Kalgutkar	TCS
54	Kamlesh Laghate	TCS
55	Mahesh Kulkarni	TCS
56	Mihir Phatak	TCS
57	Prajakta Marne	TCS
58	Shreya Mhalgi	TCS
59	Shreeya Tahasildar	TCS
60	Sayee Mulay	TCS
61	Siddhi Lanke	TCS
62	Vishakh Shewalkar	TCS
63	Shreeram Kulkarni	TCS
64	Pranav Kulkarni	NTT DATA
65	Rutuja Shitole	eZest
66	Omkar Prabhune	T systems
67	Saloni Bhingarde	T systems
68	Shreeram Kulkarni	Zensar
69	Shounak Kulkarni	Zensar
70	Sayee Mulay	Zensar
71	Swapnil Deshpande	Zensar
72	Pranav Kulkarni	ATOS SYNTEL
73	Anuja Pawar	ATOS SYNTEL
74	Divya Rajput	ATOS SYNTEL
75	Ankita Durgude	ATOS SYNTEL
76	Priyanka Ghare	ATOS SYNTEL
77	Rupak Kulkarni	Harbinger
78	Shubham Thigale	Harbinger
79	Anushka Dhekne	Harbinger
80	Omkar Mahadar	Harbinger
81	Swapnil Misal	Angular Minds
82	Shruti Shinde	Angular Minds



PERSISTENT



PAPER



ATIONS



Sr.	Paper publications	No. of papers
1.	UG Paper Publications	13
2.	PG Paper Publications (Scopus-07)	11
3.	Faculty Paper Publications	38

### Web of Science, Scopus and IEEE paper publications are as follows:

- **Dr. H. K. Khanuja** has published a research paper titled 'Monitor and detect suspicious transactions with database forensics and Dempster-Shafer theory of evidence' in the International Journal of Electronic Security and Digital Forensics, Vol—12 Issue 2, pp. 154-173.
- **Dr. H. K. Khanuja** has published a book chapter 'Monitor and Detect Suspicious Transactions with Database Forensic Analysis' in 'Digital Forensics and Forensic Investigations: Breakthroughs' in Research and Practice, PP-402-426.
- **Dr. H. K. Khanuja** has published a research paper titled 'Implementation of Blockchain Technology in Education System', International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-2, July 2019.
- **Dr. H. K. Khanuja** has published a research paper titled 'Implementation of QR Code for Sharing Files' in the International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019.
- **Dr. H. K. Khanuja** has published a research paper titled 'A Comparative Analysis of Blockchain Platforms – Bitcoin and Ethereum', IEEE- ICCUBEA September 2019.
- **Dr. Sandeep Chaware** has published a research paper titled 'Stress Detection Methodology Based on Social Network: A Proposed Design' in the International Journal of Innovative Technology and Exploring Engineering in January 2020.
- **Dr. Sandeep Chaware** has published a research paper titled 'Proposed System of Enhancement in Accuracy for Fire Detection System using Machine Learning Algorithm' in the International Journal of Innovative Technology and Exploring Engineering in February 2020.
- **Dr. Sandeep Chaware** has published a research paper titled 'Video Object Detection through Traditional and Deep Learning Methods', International Journal of Engineering and Advanced Technology in April 2020.
- **Dr. Sandeep Chaware** has published a research paper titled 'Proposed design for data retrieval using efficient algorithm' in IJEAT.
- **Dr. Sandeep Chaware** has published a research paper titled 'Proposed algorithm for smart traffic control using ultrasonic sensors', IJEAT.
- **Mrs. Swati Shekapure** has published a research paper titled 'Performance Based Adaptive Personalized eLearning System' in the International Journal of Recent Technology and Engineering in July 2019.
- **Mrs. Swati Shekapure** has published a research paper titled 'Learning Preferences Analysis by Case-Based Reasoning. Advances in Intelligent Systems and Computing', vol 1025. Springer, Singapore, in October 2019.
- **Mrs. Anita Shinde** has published a research paper titled 'Machine Learning Framework for Detection of Psychological Disorders at OSN' International Journal of Innovative Technology and Exploring Engineering (IJITEE) in September 2019.
- **Mrs. Shailaja Jadhav** has published a research paper titled 'Automated surveillance for high altitude regions' in IEEE Explorer 2020.

- **Mrs. Rupali Dalvi** has published a research paper titled 'Linguistic-Based and user-Based Recommending Posts using Two-Level Clustering Methods', International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12 in October 2019.
- **Mrs. Rupali Dalvi** has published a research paper titled 'Fake News Detection on Social Media using Machine Learning Techniques' in the International Journal of Innovative Technology and Exploring Engineering (IJITEE) in May 2020.

## SOCIAL ACTIVITIES

### ✓ ADHAR CLUB

#### ✚ Give your share to show your care for COVID-19:

The Department of Computer Engineering had proudly presented 'Corporate Social Responsibility' (CSR) activity 'Give Your Share to Show Your Care' under 'Adhar Club" and ACES (Association of Computer Engineering Students). The faculty coordinators **Ms. Abhilasha Kulkarni & Ms. Ashwini Bhugul** along with the two student co-ordinators **Ms. Shreeya Tahasildar & Ms. Mamata Gandhe** successfully conducted this activity. It was conducted in coordination with some reputed NGOs where interested donors from within and outside the organization could contribute their share of care.

#### ✚ Learning with Smiles

This CSR activity comprised of visiting an orphanage on 7<sup>th</sup> October 2019 and interacting with the underprivileged students staying there. The faculty coordinator **Ms. Abhilasha Kulkarni** and student coordinator **Mr. Niranjan Dubule** carried out several fun activities and games with the help of participating students.



#### ✚ Awakening to fight against the Global Crisis

In the view of the global crisis of Covid-19, the **faculty members** of the Department of Computer Engineering prepared video to spread awareness about the necessary and safety measures and extend a positive approach towards tackling the calamity. This video garnered praises when it was posted on the Facebook handle of MMCOE.

#### ✚ One day Salary to Kerala Flood CM Relief Fund

We understand that extending a helping hand is very important in tough times. Hence, the **staff** of the Department of Computer Engineering willing donated their one-day salary to the Kerala Flood CM Relief Fund.

### ✚ **One day Salary to COVID-19 CM relief Fund**

With the idea of showing care and helping those in need, the **staff** members of the Department of Computer Engineering willing donated their one-day salary to the COVID-19 CM Relief Fund.

## **FACULTY ACHIEVEMENTS**

- **Dr. H. K. Khanuja** was bestowed with the title 'Doctor of Philosophy' in 'Faculty of Science and Technology' from 'Rashtrasant Tukadoji Maharaj Nagpur University' Also, she had published a chapter on 'Organizational Auditing and Assurance in the Digital Age'.
- **Mrs. Asma Shaikh** was appreciated for conducting a 4-days workshop on 'Data Science and Data Analytics using Python and R' by 'ATS learning Solution' on 16th November 2019. She also participated in 'Review Process' of IJNS (International Journal of Network Security) published on 10th October 2019.
- **Mrs. Asma Shaikh** and **Ms. Ashwini Bhugul** were appreciated for participating in a one-day workshop on 'Web Application Development' using Python Framework by FossEST Technologies Pvt. Ltd. on 7<sup>th</sup> February 2019.
- **Dr. S. M. Chaware** was awarded as the 'HOD of the Year 2019' by Institute of Scholars.
- **Mrs. Ila Savant** had contributed with her valuable suggestions in SPPU SE Computer syllabus revision of 'Digital Electronics & Logic Design' subject.



- **Mrs. Pradnya Mehta** and **Mrs. Ila Savant** successfully coordinated the grand National Technical Event 'Dexterity 2k20'. This year total 12 competitions were organized and 600+ students participated from within & outside the college.

- **Ms. Pradnya Mehta** contributed to the Virtual Lab Development of 'Database Management Systems'.
- **Ms. Sarita Sapkal** contributed to the Virtual Lab Development of 'IoT (Internet of Things)'.
- **All the faculties** of Computer Engineering Department had taken initiative in organizing industrial visits for SE, TE and BE students to well-known software companies and R & D centres in and around Pune to give better knowledge and exposure about software development process, corporate work culture and research & development. In the A.Y. 2019-20, total 14 industrial visits were successfully organized.



Industry Visit – CDAC, SPPU.



FDP in Entrepreneurship



Industry Visit – Snapper Future Tech.



Industry Visit – Persistent, Hinjewadi.

- During the A.Y. 2019-20, all the faculty members of Computer Engineering Department organized total more than 10 Guest Lectures and Expert Lectures for SE, TE and BE students to bridge the gap between academic education and industry expectations.
- All the faculty members of Computer Engineering Department successfully completed Spoken Tutorial Online Certification on Python 3.4.3.

### ✓ FDP/Workshop/Conference Attended by Faculty

- **Dr. H. K. Khanuja** attended a one-day conference on IEEE- ICCUBEA in September 2019.
- **Mrs. S. B. Jadhav** attended a five-day FDP on 'Product Design and Development' from 25<sup>th</sup> to 29<sup>th</sup> November 2019 and also attended five-day FDP on 'Data Science and Big Data Analytics' from 29<sup>th</sup> July -2<sup>nd</sup> August 2019.
- **Mrs. A. V. Shinde** attended five-day FDP on 'Product Design and Development from 25<sup>th</sup>-29<sup>th</sup> November, 2019 and also attended three-day FDP on 'Python for Data Science' in August-September 2019.
- **Mrs. A. V. Shinde, Mrs. P. S Mehta** and **Mrs. P. K. Dhule** attended five-day FDP on 'Data Science and Big Data Analytics' from 29<sup>th</sup> July to 2<sup>nd</sup> August 2019 also had attended one day Python workshop on 22nd June 2019.
- **Mrs. A. V. Shinde** and **Mrs. P. K. Dhule** had attended five-day FDP on 'Data Science for Engineers' in January-March 2019 also attended a one-day workshop on 'Scilab Workshop' on 4th May 2019.
- **Mrs. S. S. Shiravale** attended one-day 'Python workshop' on 22nd June 2019.
- **Mrs. R. M. Dalvi** attended five-days FDP on 'Product Design and Development' in 25<sup>th</sup>-29<sup>th</sup> November 2019.
- **Mrs. S. P. Mone** attended five-days FDP on 'Artificial Intelligence & Technology Trends' from 19<sup>th</sup>-23<sup>rd</sup> August 2019.



- **Mrs. J. A. Wagh** and **Mrs. A. A. Shaikh** attended three-days FDP on 'Teaching Techniques' from 9th -11th December 2019.
- **Mrs. G. R. Chillarge**, **Mrs. S. D. Sapkal**, **Mrs. I. S. Savant** and **Mrs. A. D. Kulkarni** attended five-days FDP on 'Product Design and Development' from 25th-29th November, 2019 as well as a five-days FDP on 'Data Science and Big Data Analytics' from 29th July-2nd August 2019 and a one-day FDP on 'AWS-Cloud Master' on 1st June 2019.
- **Mrs. A. D. Kulkarni** attended three-days FDP on 'Python for DataScience' in August–September 2019 and also a five-day FDP on 'Data Science for Engineers' in January–March 2019.
- **Ms. V. S. Rupnar** and **Mr. K. D. Khairnar** attended five-days FDP on 'Data Science and Big Data Analytics' from 29th July-2nd August 2019.
- **Ms. V. S. Rupnar** attended a one-day 'Python workshop' on 22nd June 2019.
- **Mrs. A. A. Shaikh** attended one-day FDP on 'Introduction to Programming using Python' on 20th December 2019 and also attended a one-day FDP on 'Data Science and Data Analytics using Python and R' on October 16, 2019.
- **Mrs. A. A. Shaikh** attended ten-days FDP on 'FDP in Entrepreneurship' from 16<sup>th</sup>-27<sup>th</sup> September 2019 and also had attended five-days FDP on 'Data Science and Big Data Analytics' from 29th July-2nd August 2019.
- **Ms. A. M. Bhugul** attended a one-day FDP on 'Data Science and Data Analytics using Python and R' on October 16, 2019.
- **Mrs. P. A. Deshmukh** attended ten-days FDP on 'FDP in Entrepreneurship' from 19<sup>th</sup>-20<sup>th</sup> December 2019.
- All the faculty members of Computer Engineering Department attended more than 148 webinars during the lockdown period to enhance latest trends, technologies and their technical knowledge.
- Computer Engineering Department organized four Tech-Talks to share and sharpen the technical knowledge and skills.
- The faculties of Computer Engineering Department successfully completed more than 48 FDP and online certifications in various technical domains during Lock Down period.

### ✓ **FDP/Workshop/Conference Organized by Faculty**

- **Ms. Asma Shaikh** organized a four-day workshop on 'Python and Data Science' in association with ATS and invited Ms. Nazira Shaikh as a resource person from 28<sup>th</sup> to 31<sup>st</sup> August 2019.
- **Ms. Anita Shinde** organized a one-day workshop on 'Blockchain Bootcamp' in association with Snapper's Indian Blockchain Institute (IBI) for SE, TE and BE students and invited Mr. Shihab Kunju as a resource person on 28<sup>th</sup> August 2019.
- **Ms. Ashwini Bhugul** organized a one-day Workshop on 'Website Development' for SE students under the guidance of Mr. Rohan Thuse as a resource person on 24<sup>th</sup> August 2019.
- **Ms. P. S. Mehta** and **Ms. A. A. Shaikh** organized a one-day workshop on 'Hands-on Session on MongoDB' held under CSI Students' Chapter, MMCOE and invited Mr. Sandeep Nagpure as a resource person on 9<sup>th</sup> August 2019.
- **Ms. Abhilasha Kulkarni** had organized a 5-day FDP on 'Data Science and Big Data Analytics' in association with ICT Academy and invited Ms. Navpreet Kaur as a resource person from 29<sup>th</sup> July 2019 to 2<sup>nd</sup> August 2019.
- **Ms. Asma Shaikh** organized a seminar on 'Agile Framework' for TE students and invited Mr. Prashant Pund as a resource person on 2<sup>nd</sup> August 2019.

- **Ms.Shubhada Mone** organized a seminar on 'Guidelines of BE project' for BE students and invited Mr. Bharat Mazire, Mr. Omkar Pathak, Mr. Chinmay Kaudanya and Mr. Akash Nalawade as resource persons on 6<sup>th</sup> July 2019.
- **Dr. S. M. Chaware** was the **Convenor** and **Ms. Shailaja Jadhav** and **Ms. Asma Shaikh** were the **Coordinators** for a one-week Short Term Training program (STTP) on 'Data Analytics using Machine Learning for High Performance Computing' organized from 3<sup>rd</sup> to 6<sup>th</sup> June 2019 and invited Dr. Aditya Abhyankar, Dr. S.T. Patil, Mr. Tushar Kute, Mr. Kunal Sonu, Dr. K.S. Oza, Dr. Meenakshi Thalore, Mr. Vinay Deshpande, Dr. Prachi Joshi, Mr. Annad Mahurkar, Dr. Manasi Patwardhan and Dr. Shirang Karandikar as resource persons.

## ✓ CoE ACTIVITIES

Sr	Date	Details of activities
1	03-07/06/19	Short term training program 'Data Analytics using Machine Learning for High Performance Computing' for faculties
2	June -Nov 2019	16 students are undergoing Earn & Learn Scheme-CALC program under Quick Heal Foundation
3	June 2019 - Feb 2020	Consultancy project 'Electricity Bill Generator & Unit Calculator' completed under solar cell activity project initiated by Thane corporation and Animationwala.com One faculty and three students were part of this project.
4	June 2019 - Feb 2020	Consultancy project 'Quiz Application' completed under solar cell activity project initiated by Thane corporation and Animationwala.com. One faculty and two students were part of this project
5	13/07/19	Industrial Visit to PARI Robotics with 25 students
6	27/08/19	One day Blockchain for SE & TE students
7	20/09/19	Industry visit to CDAC's National PARAM Supercomputing Facility at SPPU, Pune.
8	19/09/2019	'IoT with Hands-on Session on Embedded System' under CoE (IoT and Cyber forensics) conducted on 19-09-2019
9	09/01/2020	Blockchain Seminar for staff and students
10	29-30/01 2020	Two days workshop on IoT with hands session on Embedded System
11	22/01, 23/01 & 27/01 2020	3 days session on content development using C++
12	Feb -Aug 2020	31 students are working on content development using in C++ for Quick heal foundation
13	07/02/2020	Industry Visit to Snapper Future Tech Pvt Ltd Staff 2 Students 11
14	27/02/2020	One day workshop on 'Blender: Open Source Tool' using image rendering on GPU
15	18/04/2020	Live Webinar on Deep Learning and its application by Mr. Pranith Kothari, Sr. Software Engineer, NVIDIA
16	28/04/ 2020	64 students attended Webinar on Industrial IoT conducted by Dr.Dattatray Parle,Founder Simulation Center
17	2/05/2020	Live Expert session on Django Framework by Mr. Jay Parekh, Associate Application Engineer, Schulmberger
18	16/05/2020	Seminar on 'HPC Infrastructure' by Mr. Satish Patil, DataDirect Networks Pvt. Ltd.
19	June 19-Apr. 2020	9 BE projects under CoE

## ✓ INTERNSHIP FOR STUDENTS

Sr.	Name of the Student	Faculty	Company Name	Duration
1	Sayee Yogesh Mulay	Mrs. Pradnya Mehta	Analyticscosm (part of Neilko Ventures Pvt. Ltd.)	1 month
2	Suteja Bhimashankar Patil	Mr. Prasad Mule	Schlumberger	2 months
3	Prajakta Marne	Mrs. Swati Shekapure	Parimiti Technology Services	2 months
4	Shreya Mhalgi			
5	Mihir Phatak			
6	Aditya Deshpande			
7	Swapnil Deshpande	Dr. H. Khanuja	L&D INFOTECH	1 month
8	Siddhesh Deo	Mrs. Anita Shinde	Tata Technologies,Pimpri	3 Weeks
9	Prerana Uday Aghorker	Dr.S.Chaware	Binary Bridge Technologies	4 months
10	Kumar Sanu Lal			
11	Radhika Phadke	Mrs. Jagruti Wagh	Eqanim Tech Pvt. Ltd.	1 months
12	Sawani Ingale			
13	Aditya Chandras			
14	Navani Udgaonkar			
15	Neha Date			
16	Omkar Mahadhar	Dr. H. Khanuja	Kovid BioAnalytics	11 months
17	Rohan Kalgutkar			
18	Swapnil Deshpande			
19	Aditya Deshpande			
20	Bhakti Kulkarni	Mrs. Anita Shinde	Inteliment	2 month
21	Aditya Kulkarni	Mr. Prasad Mule	Schlumberger	2 months
22	Rupak Kulkarni	Mrs. Sankirti Shiravale	Enkore Pvt. Ltd.	1 month
23	Tanvi Garud	Mrs. Pradnya Mehta	LnT Infotech	2 months
24	Sameer Kapure	Mrs. Geetha Chillarge	Neilko Ventures Pvt Ltd	2 months
25	Gaurav Kulkarni	Mrs. Rupali Dalvi	Schreiber Dynamix Ltd	3 months
26	Sejal Dhadiwal	Mrs. Pradnya Mehta	SEOM International.	1 month
27	Navani Udgaonkar	Mrs. Vandana Rupnar	Persistent Systems Ltd	2 Months
28	Karthik Shrinivasan	Mrs. Sankirti Shiravale	Animationwala.com	6 Months
29	Prasad Nimse			
30	Tanvi Garud			
31	Pradyumna Deshpande	Mrs. Sarita Sapkal	Fiserv India Pvt. Ltd.	1.5 months
32	Shubham Koul	Dr. H.Khanuja, Mrs. Sarita Sapkal	India Forensics	3 months
33	Sukrut Pendharkar			
34	Vedant Parnaik	Mrs. Pradnya Mehta, Mrs. Sarita Sapkal	India First Robotics	2 months
35	Ayush Pathak			
36	Shubham Thigale	Mrs. Ila Savant	Alta Technologia	10 months
37	Hemant Rathod			
38	Susmita Karyakarte			
39	Aishwarya Kulkarni			
40	Shantanu kejar	Mrs. Sarita Sapkal, Mrs.	Pixaflip Technologies	1 month

41	Krishnaveni Chilka	Geetha Chillarge		
42	Shweta Kothawade			
43	Nihar Salunke	Mrs. Geetha Chillarge	GeeksforGeeks	
44	Shreeya Tehsildar	Mrs. Abhilasha Kulkarni	Indicus Softwares	7 months
45	Suteja Patil			
46	Radhika Khiste			
47	Shreeya Tambolkar			
48	Anushka Dhekne			
49	Priyanka Ghare			
50	Shruti Vaidya			
51	Gaurav Kulkarni			
52	Shaunak Kulkarni			
53	Shreeram Kulkarni			
54	Mihir Phatak			
55	Apurv Deshpande	Mrs. Sankirti Shiravale	Animationwala.com	1 Month
56	Tyagraj Desigar	Mrs. Sankirti Shiravale	Animationwala.com	1 Month
57	Dunakhe Chinmay	Mrs. Vandana Rupnar	Persistent Systems	15 days
58	Shalaka Kulkarni			
59	Gadekar Pranav			
60	Sanket Kudale		Sandat web solution	2Months
61	Sukhada Dole			
62	Sushant Warwate	Mrs. Sarita Sapkal	Vispwallet Pvt.Ltd.	1 month
63	Sanket Kale	Dr. H. Khanuja	IIT Bombay	2 Months
64	Neha Anil kolekar	Mrs. Sarita Sapkal	Crenexa Technologies	1 month
65	Bhagyashri Kulkarni			
66	Aditya Patwardhan	Dr. H. Khanuja	Riskpro	1 Months
67	Tanmai Muke			
68	Yash Nadkarni			
69	Sejal Dhadiwal	Mrs. Pradnya Mehta	One Knock Services	15 days
70	Bharati Rankhambe	Mrs. Anita Shinde	Snapper Future Tech Pvt Ltd	11 months
71	Sanket Kudale	Mrs. Asma Shaikh	IMERT	1.5 months
72	Mahipal Mehta			
73	Shweta Kothawade			
74	Omkar Prabhune	Mr. Prasad Muley	T Systems	7 months
75	Saloni Bhingarde			

## ✓ MoU

Sr.	MOU Signed with	Faculty Involved	Start Date
1	Snapper Future Tech	Ms.Anita Shinde, Ila Savant	09-Mar-2020
2	REDACTED DESIGNS LLP	Ms.Pooja Deshmukh	06-Dec-2019
3	TCSion(College Level)	Ms.H.K.Khanuja, Ms.Rupali Dalvi	01-Mar-2019
4	INDICUS Software	Ms.Abhilasha Kulkarni	04-Oct-2018
5	ExtremityIndia Technologies, Pune	Ms.Asma Shaikh,Ms.Ashwini Bhugul	14-Aug-2018
6	Paratus System	Dr.Sandeep Chaware	01-Aug-2018
7	Prudent software and Grooming Academy	Ms.H.K.Khanuja,Ms.Pradnya Mehta	11-June-2018
8	Animationwala.com	Ms.Sankirti Shirvale	01-Mar-2017
9	Quick Heal Foundation	Ms.H.K.Khanuja, Ms.Jagruti Wagh, Ms.Pooja Deshmukh	26-Dec 2016
10	Indiaforensics Consultancy Services	Ms.H.K.Khanuja, Ms.Sarita Sapkal	20-Aug-2016
11	ISACA	Ms.H.K.Khanuja, Ms.Asma Shaikh	30-Dec-2015
12	Persistent System Limited (Center of Excellence)	Dept coordinator- Ms.Vandana R.	01-Jul-2015

*For the love of lenses and brushes!!!*



Lotus at Ganpati temple  
Pratik Rughe (TE)



After effect of Rainfall!!!  
Sushant Warwate (TE)



Beautiful lighting at temple  
Omkar Shep (TE)



Shades of nature  
Shruti More (TE)



Golden hues of nature  
Shweta Kothawade (TE)



An abstract landscape  
Akshita Shinde (TE)

# GLIMPSE OF A.C. 2019-2020

## Students' Section



होने से ज्यादा ,  
यहा दिखाना जरूरी है,

रिश्ते अच्छे होने से ज्यादा,  
*Followers* बढ़ाना जरूरी है

पसंद आए या ना आए,  
लेकिन, लाईक करना जरूरी है

बात करने से ज्यादा यहा  
लोग, *Ignore* करने मे जारी है  
ये सोशल मिडिया है जनाब,  
यहा ऐसा ही होता है..

पोस्ट करे तो *Show-Off*,  
ना करे तो, *Boring*,  
यहा *Hashtag* मे पुरी  
दुनिया होती है,  
ये सोशल मिडिया है जनाब,  
यहा ऐसा ही होता है..

और भी है लिखने के लिए,  
पर उन्हे *Poems*, से ज्यादा  
*Memes* पसंद है...।

ये सोशल मिडिया है जनाब,  
यहा ऐसा ही होता है..  
ये सोशल मिडिया है जनाब,  
यहा ऐसा ही होता है...!!

# Teachers' Section





# Marathwada Mitra Mandal's COLLEGE OF ENGINEERING Karvenagar, Pune



Accredited with 'A' Grade by NAAC

*Phir Muskurayega India !!*



*Together We Stand,  
Together We Fight,  
Together We will Win !!*