



Academic Year: 2019-20
Department of Computer Engineering

ACADEMIC REPORT

July 2020 – December 2020

1. About Department
2. Administration
3. Special Academic Programs
4. Faculty Contribution
 - 4.1 Faculty Publications: National / International Conference / Journal
 - 4.2 Interaction of Faculty with Outside World
 - 4.3 Seminars/Workshops/Conferences/FDP/STTP/Expert talk organized
 - 4.4 Seminars/Workshops/Conferences/FDP/STTP/Expert talk attended
5. Students' Achievement
6. Placement Data



Academic Year: 2019-20
Department of Computer Engineering

1. DEPARTMENT

Department VISION

To impart high quality education, promote research culture and inculcate ethical values to develop/produce professionally competent engineers capable of meeting global challenges.

Department MISSION

1. Encourage research aptitude and analytical approach to prepare students for facing technological challenges in computing field.
2. Develop professionals, equipped with soft skills, ethical and social values for betterment of society.
3. Create awareness about sustainability concerns and ongoing trends in computing field.
4. To nurture and provide a collaborative environment for enabling aspiring technocrats to meet industry expectations.
5. Provide competent faculty and systematic modern approach in teaching-learning with state-of-art infrastructure.

Program Educational Objectives [PEO]

1. To impart quality education to students, while encouraging innovations and research culture in keeping abreast with technological advancements in computing.
2. To develop computer professionals with comprehensive knowledge, capable of facing indigenous and global challenges.
3. Develop computer professionals to fulfill industry expectations and social aspirations.



Academic Year: 2019-20
Department of Computer Engineering

Programs Specific Outcomes [PSO]

By the completion of Computer Science program, the student will have following Program specific outcomes.

1. Ability to understand and assess fundamental and advanced principles of computer hardware and software systems.
2. Comprehensive knowledge and practical competence with a broad range of programming languages enabling graduates to understand the structure, design and development methodologies of software systems on various platforms.
3. Ability to efficiently model real-world problems using appropriate data structures and algorithms.
4. Capability of applying computing knowledge in multidisciplinary domains to identify problems and provide solution to them.

About the Department

- Started in the year 2001 with undergraduate program affiliated with University of Mumbai.
- NBA Accredited
- Intake: BE: 120, ME: 18, PhD: 10
- Fully air-conditioned classrooms with LCD Projectors
- Laboratories equipped with advance software and hardware
- Provide all kinds of support to develop application with advanced technologies.

Courses offered

- B.E Computer Engineering
- M.E Computer Engineering
- Ph.D Technology



Academic Year: 2019-20
Department of Computer Engineering

2. ADMINISTRATION

ACM Committee

Dr. Narendra Shekokar
Sonawane

Prof. Aruna Gawade

Prof. Pankaj

Project Committee

Prof. Chetashri Bhadane

Prof. Ruhina Karani

Academic Report

Prof. Chetashri Bhadane
Gonsalves

Prof. Aniket Kore

Prof. Jesleena

Departmental Library Committee

Prof. Pankaj Sonawane

Prof. Sonali Jadhav

Maintenance Audit Committee

Prof. Pankaj Sonawane

DJ Unicode Committee

Dr. Narendra Shekokar

Prof. Pranit Bari

Prof. Aniket Kore



Academic Year: 2019-20
Department of Computer Engineering

Program Assessment Committee

Dr. Narendra Shekokar

Dr. Meera Narvekar

Dr. Ram Magrulkar

Prof. Aruna Gawade

Prof. Kiran Bhowmick

Prof. Khushali Deulkar

Prof. Chetashri Bhadane

Prof. Ruhina Karani

Prof. Pranit Bari

Time-Table Committee

Prof. Lakshmi Kurup

Prof. Deepika Dongre

Cultural Committee

Dr. Meera Narvekar

Prof. Sudhir Bagul

Placement Committee

Prof. Kriti Srivastava

Prof. Pankaj Sonawane

SAP Attendance

Prof. Khushali Deulkar

Prof. Lynette D'mello

Prof. Deepika Dongre

Internship Committee

Dr. Ram Mangrulkar



Academic Year: 2019-20
Department of Computer Engineering

Sports Committee

Dr. Narendra Shekokar
Prof. Pankaj Sonawane

Stationary Incharge

Prof. Ashok Patade

Entrepreneurship Incharge

Dr. Ram Mangrulkar

Lab Incharges

Prof. Kiran Bhowmick
Prof. Aruna Gawde
Prof. Chetashri Bhadane
Prof. Sindhu Nair
Prof. Ashok Patade
Prof. Pratik Kanani

Alumni coordinator

Prof. Khushali Deulkar
Prof. Ruhina Karani

Mentor Incharge

Prof. Sindhu Nair

Exam Coordinator

Prof. Ruhina Karani
Prof. Deepika Dongre

Class Incharges

Prof. Deepika Dongre
Prof. Aniket Kore
Prof. Lynette D'Mello
Prof. Kriti Srivastava
Prof. Ruhina Karani
Prof. Sindhu Nair



Academic Year: 2019-20
Department of Computer Engineering

3. SPECIAL ACADEMIC PROGRAMME

3.1 Seminar on Database in Production Environment organized on 3rd Nov, 2020.

Objective:

The seminar was organized specially for the students of third year computer engineering with the goal to help them to understand the need and use of Databases along with other related technologies in the Production environment.

Speakers:

Ms. Pooja Kulkarni, Senior Associate, Morgan Stanley

No. of participants: 100

Topics Covered:

- Importance of DBMS in production environment.
- Granularity and serialization.

Outcome:

The participants understood the usage of Database systems and approaches which industry people have been using to design the projects. The participants provided positive feedback regarding the content, delivery, knowledge of a guest speaker and organization of the seminar.



Academic Year: 2019-20
Department of Computer Engineering

4. FACULTY CONTRIBUTION

4.1 Faculty Publications: National / International Conference / Journal

Sr. No.	Name	Journal/ Conference	National / International	Title	Publication	Date
1.	Dr. Meera Narvekar	Journal	International	Pre CDACI: Prequential Learning Based Concept Drift Detection and Adaptation for Classification of Imbalanced Data Streams	International Journal of Advanced Science and Technology (Elsevier)	2020
2.	Dr. Narendra Shekokar	Journal	International	MITM Attack Prevention Using PUF authentication in Smart Grid	International Journal of Advanced Science and Technology	2020
		Journal	International	Design of Machine Learning and Rule Based Access Control System with Respect to Adaptability and Genuineness of the Requester	EAI endorsed Transactions on Pervasive Health and Technology	Sept, 2020
3.	Dr. Ramchandra Mangrulkar	Journal	International	Leveraging Data Science in Cyber Physical Systems to Overcome Covid-19	Journal of University of Shanghai for Science and Technology,	Oct, 2020



Academic Year: 2019-20
Department of Computer Engineering

		Journal	International	Prediction and Diagnosis of COVID-19 using Machine Learning Algorithms	International Journal of Recent Technology and Engineering (JRTE)	Sept, 2020
		Journal	International	Image Modification using Text with GANs	International Journal of Engineering Applied Science and Technology	2020
		Journal	International	Document Summarization using Graph Based Methodology	International Journal of Computer Applications Technology and Research	2020
		Conference	International	Virtual Farmer	International Conference on Computing Communication and Networking Technologies (ICCNT)	1 st -3 rd July 2020
4.	Aruna Gawade	Journal	International	MITM Attack Prevention Using PUF authentication in Smart Grid	International Journal of Advanced Science and Technology	2020
5.	Kiran Bhowmick	Journal	International	Pre CDACI: Prequential learning based Concept drift Detection and Adaptation for Classification of Imbalanced data streams	International Journal of Advanced Science and Technology (Elsevier)	2020



Academic Year: 2019-20
Department of Computer Engineering

		Conference	International	Covid-19 database management a Non-Relational Approach (NoSQL & XML)	3rd International Conference on Intelligent Data Communication Technologies and Internat of Things (ICICI-2020)	Aug, 2020
		Conference	International	AutoEncoder Embedding, Segmentation and Classification of Apparel Images using A Deep Convnet Approach	4th International Conference on Electronics, Communication and Aerospace Technology (ICECA-2020)	Nov, 2020
		Conference	International	Pneumonia Detection using X-ray Images and Deep Learning	Information and Communication Technology for Competitive Strategies (ICTCS 2020)	Dec, 2020
6.	Kriti Srivastava	Journal	International	Design of Machine Learning and Rule Based Access Control System with Respect to Adaptability and Genuineness of the Requester	EAI endorsed Transactions on Pervasive Health and Technology	Sept, 2020
		Conference	International	Slouch detection using OpenPose Architecture	International Conference on Intelligent system, Data Science and Computing	Nov, 2020



Academic Year: 2019-20
Department of Computer Engineering

		Conference	International	Exploradar: User Centric Intelligent Document Retrieval System	International Conference on Intelligent system, Data Science and Computing	Nov, 2020
		Journal	International	StackNet-DenVIS: a multi-layer perceptron stacked ensembling approach for COVID-19 detection using X-ray images	Physical and Engineering Sciences in Medicine	Dec, 2020
7.	Chetashri Bhadane	Conference	International	Context aware next location prediction using data mining and metaheuristics	Evolutionary Intelligence, Springer journal	Sept, 2020
8.	Ruhina Karani	Conference	International	Pothole Detection and Dimension Estimation System using Deep Learning (YOLO) and Image Processing	The 35th Conference on Image and Vision Computing Wellington, New Zealand.	25-27 Nov, 2020
		Conference	International	Generation of Indian sign language by sentence processing and generative adversarial networks	3rd International Conference on Intelligent Sustainable Systems (ICISS 2020)	Dec, 2020
9.	Pankaj Sonawane	Journal	International	A Multi-Modular Approach for Gesture Recognition and Text Formulation in American Sign Language	International Journal of Computer Applications Technology and Research	2020



Academic Year: 2019-20
Department of Computer Engineering

		Conference	International	Pneumonia Detection Using Convolutional Neural Networks	Third International Conference on Smart Systems and Inventive Technology (ICSSIT)(IEEE)	2020
		Conference	International	Virtual Farmer	International Conference on Computing Communication and Networking Technologies(ICCNT)	1 st -3 rd July 2020
10.	Pratik Kanani	Journal	International	Implementing and Evaluating Health as a Service in Fog and Cloud Computing using Raspberry Pi	International Journal of Intelligent Engineering and Systems	2020
		Journal	International	ECG Image Classification Using Deep Learning Approach	Handbook of research on disease prediction through data analytics and machine learning	2020
		Journal	International	Optifog: optimization of heterogeneous fog computing for qos in health care	Journal of Theoretical and Applied Information Technology	Nov, 2020
		Conference	International	Analyzing ECG waves in Fog Computing Environment using Raspberry Pi Cluster	Proceedings of the Fourth International Conference on I-SMAC	2020
		Conference	International	Deep Learning model-based Multimedia forgery detection	Proceedings of the Fourth International Conference on I-SMAC	2020



Academic Year: 2019-20
Department of Computer Engineering

4.2 Interaction of Faculty with Outside World

Sr.No	Name	Activity
1.	Dr. Ram Mangrulkar	Delivered a Keynote on "Innovation in Research Tools and Technology: Past, Present and Future" in AICTE Sponsored Two Days International e-Conference on "Innovations in Engineering & Technology" (ICIET-20)
		Delivered a Talk on "Innovation in Research; Tools and Technology" in AICTE-ISTE One Week Refresher Course on "Research Methodology and Data Analysis at JSPM's Rajarshi Shahu College of Engineering, Pune 18th December 2020.

4.3 Seminars/Workshops/Conferences/FDP/STTP/Expert talk organized

Sr. No.	Name	STTP / Workshop / Seminar Details
1.	Chetashri Bhadane	Conducted a Seminar "Database in Production Environment" Speaker: Ms Pooja Kulkarni No. of Participant: 100 Venue: Online, Date: 03/11/2020



Academic Year: 2019-20
Department of Computer Engineering

4.4 Seminars/Workshops/Conferences/FDP/STTP/Expert talk attended

Sr. No.	Name	Activities
1	Dr. Ram Mangrulkar	Attended IBM Training on Predictive Analytics Date: 1 st to 4 th December 2020
2	Khushali Deulkar	1. FDP on Stress-management, ATAL Academy Date:26 th -30 th August 2. FDP on Personal Effectiveness, ATAL Academy Date: 21 st -25 th September. 3. Workshop on Inculcating Universal Human Values in Technical Education. Date: 18 th -22 nd July 4. Attended IBM Training on Predictive Analytics Date: 1 st to 4 th December 2020
3	Chetashri Bhadane	Deep Learning and Artificial Intelligence Date:21 st -25 th September
4	Ruhina Karani	1. Industrial Training on Machine Learning Date:22 nd -26 th July 2. FDP on Satellite Photogrammetry and its Application Date:29 th June-3 rd July 3. Industrial Training on Applied Statistics Date: 28 th June-2 nd July 4. FDP on Computer Vision and Pattern Recognition: Challenges and Opportunities Date:21 st -25 th September 5. FDP on Computer Science & Biology Date:19 th -23 rd October 6. Workshop on Inculcating Universal Human Values in Technical Education Date:18 th -22 nd July
5	Pranit Bari	Attended IBM Training on Predictive Analytics Date: 1 st to 4 th December 2020
6	Deepika Dongre	1. FDP on Data Sciences. ATAL Academy Date:20 th October 2. FDP on Deep Learning and Artificial Intelligence Date: 21 st -25 th September



Academic Year: 2019-20
Department of Computer Engineering

7	Pankaj Sonawane	FDP on Machine Learning Using Python Date: 10 th -14 th August
8	Sonali Jadhav	FDP on Insights into Intelligent Automation, Machine Learning and Data Science: Foundation of Data Science Date: 19 th -31 st October



Academic Year: 2019-20
Department of Computer Engineering

5. STUDENTS' ACHIEVEMENTS

S.E.

Sr. No.	SAP ID	Name	Achievements
1	60004190123	Vidhan Shah	Received a Special Mention and was awarded with an internship at the CODEIT 2020 Hackathon

T.E.

Sr. No.	SAP ID	Name	Achievements
1	60004180003	Ahan Dalia	Received Most Inspiring Solution Award' at Global DWS Robocon Hackathon.
2	60004180118	Vatsal Khandoor	"Prediction of IPL matches using Machine Learning while tackling ambiguity in results," published in <i>Indian Journal of Science and Technology</i>

B.E.

Sr. No.	SAP ID	Name	Achievements
1	60004170012	Ankit Gupta	Research paper "ResQ Smart Safety Band," published in <i>IEEE Xplore</i>
	60004188017	Dev Savla	
	60004170112	Soham Parekh	
	60004170024	Devansh Agarwal	
2	60004188007	Neel Patel	"4S Framework: A Practical CPS Design Security Assessment & Benchmarking Framework," Chapter accepted for publication in a book <i>Cyber Security and Digital Forensics: Challenges and Future Trends, Wiley Publications.</i>
	60004188018	Yash Shah	

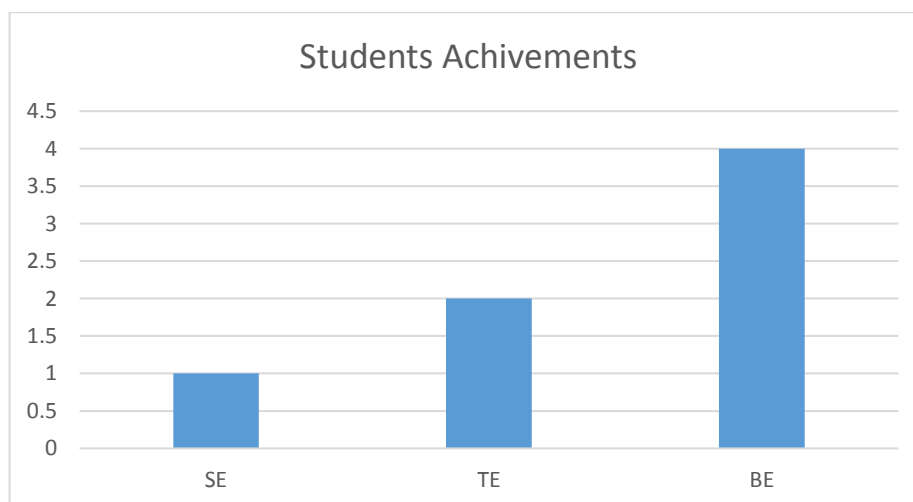


Academic Year: 2019-20
Department of Computer Engineering

3	60004188007	Neel Patel	"Comprehensive Study of Failed Machine Learning Applications Using a Novel 3C Approach," accepted for publication in book to be published under <i>Taylor & Francis Publication</i> .
	60004188001	Prem Bhajaj	
	60004188006	Pratik Panchal	
	60004188012	Tanmai Prabhune	
4	60004170095	Romil Nisar	"GANS: Initial Boost, Working and Classification Scheme for its application," published in <i>International Journal of Computer Application (IJCA)</i>
	60004188007	Neel Patel	

□ STUDENTS COUNT

Sr. No.	Class	No of students
1	SE	1
2	TE	2
3	BE	4



Student Activities Analysis



Academic Year: 2019-20
Department of Computer Engineering

7. PLACEMENT DATA

Sr.No	Name of Company	Total Number of Students Placed	Total Package in LPA
1	Accolite	8	9-11
2	Cimpress	4	12
3	Dolat Capital	2	11.5
4	JP Morgan Chase & Co.	10	14
5	Morgan Stanley	2	25.33
6	Tresvista	2	6.4
7	ZS Associates	2	8.9
8	Edelweiss	2	7
9	Interactive Brokers	3	9.35
10	Quantiphi	17	8.5
11	RBL BANK	2	9
12	TCS DIGITAL	13	7.3
13	LTI	18	5,6.5
14	TCS ninja	16	3.6
15	Oracle	4	5.2
16	Jio	2	4
17	Amdocs	5	5
18	Billdesk	4	5
19	Cognizant	9	4
20	Visible Alpha	3	6
21	Infosys	1	3.6
22	EY	1	4.5
23	LTFS	1	6
24	NSE	3	5.5
25	HCL	2	3.5
26	AGR	1	4
27	L & T	1	6.5
	TOTAL	137	



Academic Year: 2019-20
Department of Computer Engineering

No of Students Placed in Normal, Dream and Super Dream Companies

TOTAL OFFERS GOT BY STUDENTS

