



SHRI VILE PARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
Approved by AICTE and Affiliated to the University of Mumbai  
DEPARTMENT OF INFORMATION TECHNOLOGY



# DEPARTMENT OF INFORMATION TECHNOLOGY

## DEPARTMENTAL ACTIVITIES

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## ACHIEVEMENTS REPORT

(July 2020 – June 2021)

Prepared By  
(Ms. Neha Katre)

Dr. Vinaya Sawant  
(HOD, IT Dept)



### **VISION**

To emerge out as a prominent department offering a program blended with research culture in its pursuit for academic excellence in order to develop professionally competent and socially responsible engineers capable of meeting industry demands and social obligations in a vibrant global environment.

### **MISSION**

1. To build fertile environment, where students receive the best of technological foundation and direction to explore, pursue and hone their own areas of interests, culminating with a wholesome development.
2. To strive towards building an atmosphere that will be a catalyst for innovative ideas and learning, providing students with various opportunities and experiences that can help them to thrive and prosper through a blend of academics, practical exposure and research programs to pursue successful careers in a global environment.
3. To bridge the gap between the industry, institute and society by acquainting the students with the highly dynamic information technology domain.
4. To imbibe a sense of responsibility amongst students to apply their knowledge diligently keeping in mind its possible impact on the society.
5. To develop soft and professional skills.

### **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**

1. To impart learners with sound knowledge of basic sciences and core engineering fundamentals.
2. To prepare learners use modern programming tools/technologies and develop competency to counter complicated engineering problems.
3. To prepare learners to be professionally competent and socially responsible to sustain and strive through the competitive, global/environment challenges.
4. To create a strong foundation in IT discipline and motivate learners undertake postgraduate studies, explore professional avenues or venture into entrepreneurship.
5. To inculcate personality traits and professional ethics.



## **PROGRAMME OUTCOMES (POs)**

PO1: To apply knowledge of mathematics, science and engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

PO2: To identify and formulate, research literature and analyze complex engineering problems resulting in substantial conclusions using principles of mathematics, natural sciences and engineering sciences.

PO3: To design solutions of complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.

PO4: To use research based knowledge and research methods including design of experiments, analysis and interpretation of data synthesis of information to provide valid conclusions.

PO5: To create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: To apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

PO7: To understand the impact of professional engineering solutions in the societal and Environmental context and demonstrate knowledge and need for sustainable development.

PO8: To apply ethical principles and further to commit to professional ethics and responsibilities and norms of engineering practice.

PO9: To function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.

PO10: To communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

PO11: To demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: To recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.



## **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

Students will be able to:

1. Analyze real life problems and design user friendly solutions.
2. To provide effective solutions for problems in sectors like healthcare, science, commerce, e-governance etc., by employing right set of tools and methodologies.
3. Design and implement right IT infrastructural setups for any organization.
4. Plan, execute, check and act in specific project tasks.



### ADMINISTRATIVE RESPONSIBILITIES

<b>Associate Head, IT Department</b> Prof. Purva Raut	
<b>CSI Committee (Branch Counsellor)</b> Prof. Vinaya Sawant	<b>Codestars Programming Club</b> Prof. Vinaya Sawant
<b>CSI Committee (Faculty Advisor)</b> Prof. Mitchell D'silva	<b>Artificial Intelligence Club</b> Prof. Purva Raut
<b>Project Coordinator</b> Prof. Purva Raut	<b>Time-Table Co-ordinator</b> 1. Prof. Neha Katre 2. Prof. Stevina Correia
<b>Exam Coordinator</b> Prof. Arjun Jaiswal	<b>Alumni Coordinator</b> Prof. Harshal Dalvi
<b>Placement Coordinator</b> Prof. Harshal Dalvi	<b>Sports Committee</b> Prof. Harshal Dalvi
<b>Cultural Committee</b> Prof. Neha Katre	<b>E-Cell Committee</b> Prof. Purva Raut
<b>NPTEL (Online Certification Courses)</b> Prof. Mitchell D'silva	<b>IT Infrastructure Co-ordinator</b> Dr. A. R. Joshi
<b>Lab In-charge</b> IM Lab: Prof. Neha Katre IS Lab: Prof. Harshal Dalvi SS Lab: Prof. Mitchell D'silva SPM Lab: Prof. Purva Raut CPG Lab: Prof. Stevina Correia	<b>Class (In-charges)</b> BE: Prof. Prachi Tawde TE: Prof. Stevina Correia SE: Prof. Neha Ram
<b>Dept. Library Co-ordinator</b> Prof. Purva Raut	<b>Mentor Co-ordinator</b> Prof. Stevina Correia
<b>Maintenance Committee</b> Prof. Neha Katre Prof. Harshal Dalvi Mrs. Sangeeta Pawar (Lab Asst.) Mr. Sanju Uppala (Lab Attd.)	<b>Admission Committee</b> 1. Prof. Vinaya Sawant 2. Prof. Neha Katre 3. Prof. Harshal Dalvi 4. Prof. Mitchell D'Silva
<b>NBA Committee</b> 1. Prof. Vinaya Sawant( <b>Program Co-ordinator</b> ) 2. Prof. Neha Katre	<b>Autonomy Committee</b> 1. Prof. Vinaya Sawant 2. Prof. Purva Raut 3. Prof. Harshal Dalvi 4. Prof. Stevina Corriea



**CSI STUDENTS COMMITTEE 2020-21**

**CHAIRPERSON**

Varun Vora

**VICE CHAIRPERSON  
(TECHNICAL)**

Ansh Mehta

**VICE CHAIRPERSON  
(ADMIN)**

Palana Sheth

**SECRETARY**

Rushank Shah

**CO-SECRETARY**

Mallika Konkar

**TREASURER**

Deven Nabar

**CO-TREASURER**

Jainam Dhani

**TECHNICAL HEAD**

Shivam Kejriwal

Soham Dave

Harshil Zaveri

**MARKETING HEAD**

Saloni Dagli

Kashvi Dedhia

**LOGISTICS HEAD**

Kavish Shah

Muhammadali Qureshi

**PUBLICITY HEAD**

Devika Patadia

**EVENTS HEAD**

Riddham Gadia

Rishabh Jain

**CREATIVES HEAD**

Dhruvil Shah

Richa Shah

Aayushi Upadhyay

**EDITORIAL HEAD**

Gauri Khanolkar

Rishabh Patil



## DJInit.ai

### Team Structure

#### Core Team

Pushkar Bhuse (President)  
Parth Kansara (Vice President)  
Bhavesh Singh (Vice President)  
Rishika Chabbria  
Pragnya Konakalla  
Smit Malkan  
Parth Tank  
Dhruv Pithwa

#### Co-Members(Technical)

Smit Malkan (Head)  
Dhruv Pithwa (Head)  
Pragnya Konakalla (Head)  
Manav Shah  
Varun Vora  
Shoumik Gandre  
Rishab Nevatia  
Nishant Dave

#### Co-Members(Editorial)

Parth Tank (Head)  
Rishika Chhabria (Head)  
Jainam Dhami  
Vivek Vinze  
Shivam Kejriwal  
Tanvi Shah  
Akanksha Mansharamani



## DJCodestars

### Committee Structure

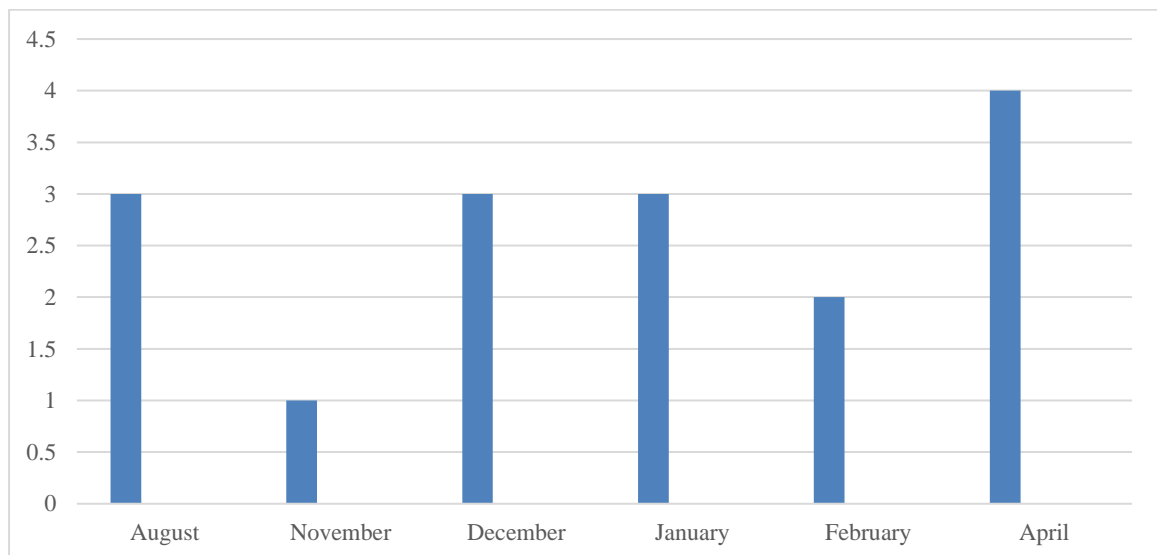
Position	Position Holders
Chairpersons	Smit Malkan and Ankit Gupta
Technical Heads	Rayyan Merchant, Nilay Bhatia, Jash Jain, Preet Soni and Riddham Gadia
Marketing and Publicity Heads	Deep Nanda and Kevin Pattni
Editorial Head	Bhagyashree Wagh





## Paper Published in National / International Journals

August	3
November	1
December	3
January	3
February	2
April	4
<b>TOTAL</b>	<b>16</b>



### August

1. Atharva Pandit, Kunal Goel, Manav Jain, Neha Katre published a paper titled “A Review on Clothes Matching and Recommendation Systems based on user Attributes” in International Journal of Engineering Research and Technology, Volume 9, Issue 8 , August - 2020.
2. Devansh Mehta, Himanshu Asher, Riddhi Shah, Neha Katre published a paper titled “Application of Neural Networks in Question Generation” in International Journal of Advanced Science and Technology, Volume. 29, No. 3, August 2020.
3. Shubham Jain, Avdhi Shah, Dharmil Shah, Mitchell D’silva published a paper on “Smart Kitchen” in Journal of Seybold Report, ISSN: 1533-9211, Volume 15, Issue 9, pp. 1716-1725 in September, 2020.



### **November**

1. Manav Jain, Riddhi Shah, Devansh Mehta, Vinaya Sawant, "Abstractive Text Summarization Using Bidirectional LSTM with Attention Mechanism and WORD2VEC", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.7, Issue 4, Page No pp.560-567, November, 2020.

### **December**

1. Mohd Faisal Mohd Sadique, Sumeet Darji, Saurav Rajwani, Stevina Correia, "A Review on Decentralization Protocols for Social Media Application" International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 8, Issue 12, December-2020, Impact Factor: 7.429, Available online at: [www.ijaresm.com](http://www.ijaresm.com)
2. Co-existence of Privacy and Security of Minors on Social Networks Dhruv Mehta, Neelam Gujar, Preet R. Shah, Prof. Stevina Dias. "Co-existence of Privacy and Security of Minors on Social Networks", Volume 8, Issue XII, International Journal for Research in Applied Science and Engineering Technology (IJRASET) Page No: 667-671, ISSN : 2321-9653, [www.ijraset.com](http://www.ijraset.com)
3. Dhrumil Mehta, Ankit Basrur, Devansh Mehta, Vinaya Sawant, "A Review on DeepFake Detection", International Journal of Management, Technology and Engineering, Volume X, Issue XII, December - 2020.

### **January**

1. Rohit Jain, Saurav Kabra, Tapendu Bera, Prof. Stevina Dias. "A Review on Gesture-To-Voice Recognition System based on Facial Expressions & Hand Gestures" International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429 Volume 9 Issue I Jan 2021- Available at [www.ijraset.com](http://www.ijraset.com).
2. Priyanka Shah, Aaysuhi Gandhi, Rishika Chhabria, Vinaya Sawant, "A Review on Diabetic Retinopathy Detection", International Journal of Management, Technology and Engineering, Volume X, Issue I, January - 2021.



3. Jigar Avlani, Smruti Belgali, Pagnya Konakalla, Harshal Dalvi, "Blockchain and Machine Learning Based Insurance Fraud Detection System", International Journal of Management Technology and Engineering, Volume XI, Issue 1, January 2021

### **February**

1. Tarini Kulkarni, Sweety Kakadiya, Tanushri Malani, Vinaya Sawant, "A Survey on IQ Test Platform for Visually Impaired", International Journal of Management, Technology and Engineering, Volume XI, Issue II, February - 2021.
2. Devansh Kapadia, Neel Doshi, Moksha Shah, Harshal Dalvi, "Adaptive Automated Currency Trader", Science and Engineering Journal – A UGC approved journal and listed in the Directory of Open Access Journal, ISSN: 0103-944X, February 2021.

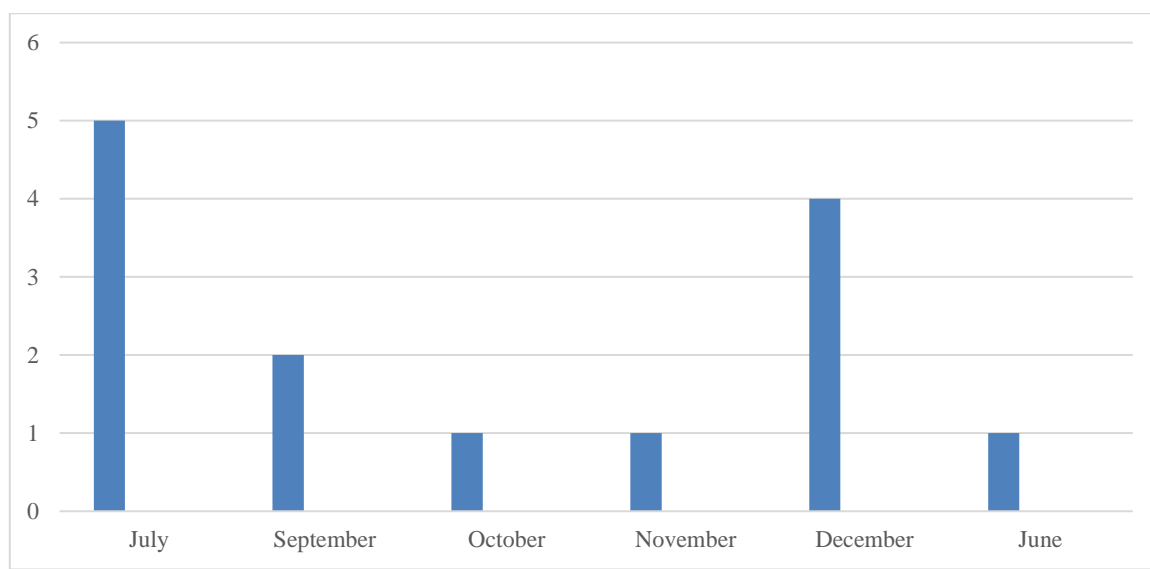
### **April**

1. Sachin Nandrajog, Niraj Sawant, Dhruv Somvanshi, N. M. Shekokar, Neha Ram, "Phishing Website Detection" International Journal of All Research Education & Scientific Methods-An ISO & UGC Certified Peer-Reviewed Multi-disciplinary Journal, Volume 9 Issue 4, April - 2021
2. Sachin Nandrajog, Niraj Sawant, Dhruv Somvanshi, N. M. Shekokar, Neha Ram, "Phishing Website Detection" International Research Journal of Engineering and Technology, Volume 8 Issue 4, April - 2021
3. Dhaval Shah, Vishal Waghela, Rishi Sheth, Neha Katre, Prachi Tawde published a paper titled "A Review on Automated Cricket Trainer", in International Journal for Research in Applied Science & Engineering Technology, Volume 9, Issue IV, April 2021.
4. Dhruv Pithwa, Bhavin Mehta, Priyam Vora, Arjun Jaiswal published a paper titled "Drishti: Real Time Application for Visually Impaired People", in International Research Journal of Engineering and Technology (IRJET) Volume 8, Issue 4, April 2021.



### Paper Published in National / International Conferences

July	5
September	2
October	1
November	1
December	4
June	1
<b>TOTAL</b>	<b>14</b>



#### July

1. Siddharth Singh, Aditya Kumar, Aditya Chopra, Mitchell D'silva presented a paper on "Direct Farmer and Customer Commerce using Data Mining" in the 2nd International Conference on Emerging Technologies in Data Mining and Information Security on 2nd July, 2020 which will be published in Springer.
2. Neha Udeshi, Nemil Shah, Urvi Shah, and Prof. Stevina Correia, "Destress IT - Detection and Analysis of Stress Levels", presented in International Conference on Data Intelligence and Cognitive Informatics (ICDICI-2020 Springer Conference) on 8th July, 2020.
3. Tilak Satra, Manali Shah, Ajay Lad, Prof. Stevina Correia, "Voice and Gesture Based App for Blind People", presented in International Conference on Data Intelligence and Cognitive Informatics (ICDICI-2020 Springer Conference) on 8th July, 2020.
4. Aziz Presswala, Srushti Pathak, Gunjan Jhanwar, Neha Katre, "Neuromemorize: Mobile Application for Alzheimers Patients using AI Based Face Recognition", presented in



International Conference on Data Intelligence and Cognitive Informatics (ICDICI - 2020) organised by SCAD College of Engineering and Technology, Tirunelveli, India, on 8th July, 2020.

5. Shreeyaa Agrawal, Harsh Jain, Harshita Khandelwal and Vinaya Sawant presented a paper titled "Financial Investment Recommendation and Decentralized Account Management" in the International Conference on Computing Communication and Networking Technologies in July, 2020.

### September

1. Darji, K., Darji, S., Nisar, S. and Joshi, A. (2020). "Automatic Dermatoglyphics Multiple Intelligence Test based on Fingerprint Analysis using Convolution Neural Network", Presented in 2nd Scopus-Indexed Springer International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2020), Organized by RVS College of Engineering & Technology, September 03-05, 2020, Coimbatore, Tamilnadu, India and Published in the Proceeding of ICIDCA 2020, which is indexed by Springer.
2. Singh, B., Rizvi, A. A., Marathe, A. and Joshi, A. R. (2020). "Retaining Named Entities for Headline Generation", Presented in 2nd International Conference on Inventive Computation and Information Technologies (ICICIT - 2020), Organized by RVS Technical Campus, September, 24-25, 2020, Coimbatore, Tamilnadu, India and Published in Springer Lecture Notes in Networks and Systems.

### October

1. Prof. Purva Raut, Mr. Tejas Joshi, Mr. Pratik Kalsekar Presented a research paper titled "Classification of power relations based on email exchange" at IEEE International Conference on Computing, Power and Communication Technologies, GUCON 2020 DOI: 10.1109/GUCON48875.2020.9231072 EID: 2-s2.0-85096539297, October 2020

### November

1. Raj Kothari, Bhumi Jhakeiya and Dr. Vinaya Sawant presented and published a paper titled "**Implementation of a Distributed P2P Storage Network**", at IEEE International Conference for Innovation in Technology (INOCON) Bengaluru, India. Nov 6-8, 2020.



## **December**

1. Pushkar Bhuse, Aayushi Gandhi, Parth Meswani, Riya Muni, Neha Katre presented and published a paper titled “ Telecom-Customer Churn Prediction” at 3rd International Conference on Intelligent Sustainable Systems (ICISS 2020), SCAD Institute of Technology, 3-5 December 2020.
2. Manav Jain, Soumyaprakash Dashmopatra, Stevina Correia, “Mental Health State Detection Using Opencv And Sentiment Analysis”, 3rd International Conference on Intelligent Sustainable Systems (ICISS 2020), organized on 03- 05, December 2020 by SCAD Institute Of Technology, Palladam, India.
3. Prof. Purva Raut presented a research paper titled “Effect of Data Augmentation on the Accuracy of Convolutional Neural Networks” at 5th International Conference on Information and Communication Technology for Competitive Strategies (ICTCS 2020) December 2020.
4. Prof. Purva Raut presented a research paper titled “A Deep Learning Based Approach for Detecting Viral and Bacterial Pneumonia from chest X-rays” at 5th International Conference on Information and Communication Technology for Competitive Strategies (ICTCS 2020) December 2020.

## **June**

1. Ansh Mehta, Charmee Mehta (KJSCE), Sayyam Gada (SAKEC), Prof. Neeta Kadukar (Vice-principal at SBMP), “Demystifying Democracy: Incentivizing Blockchain Voting Technology for an enriched Electoral System”, ICCICT 2021 (International Conference on Communication, Information and Computing Technology), 25th-27th June, 2021. The paper won the Best Paper Award.

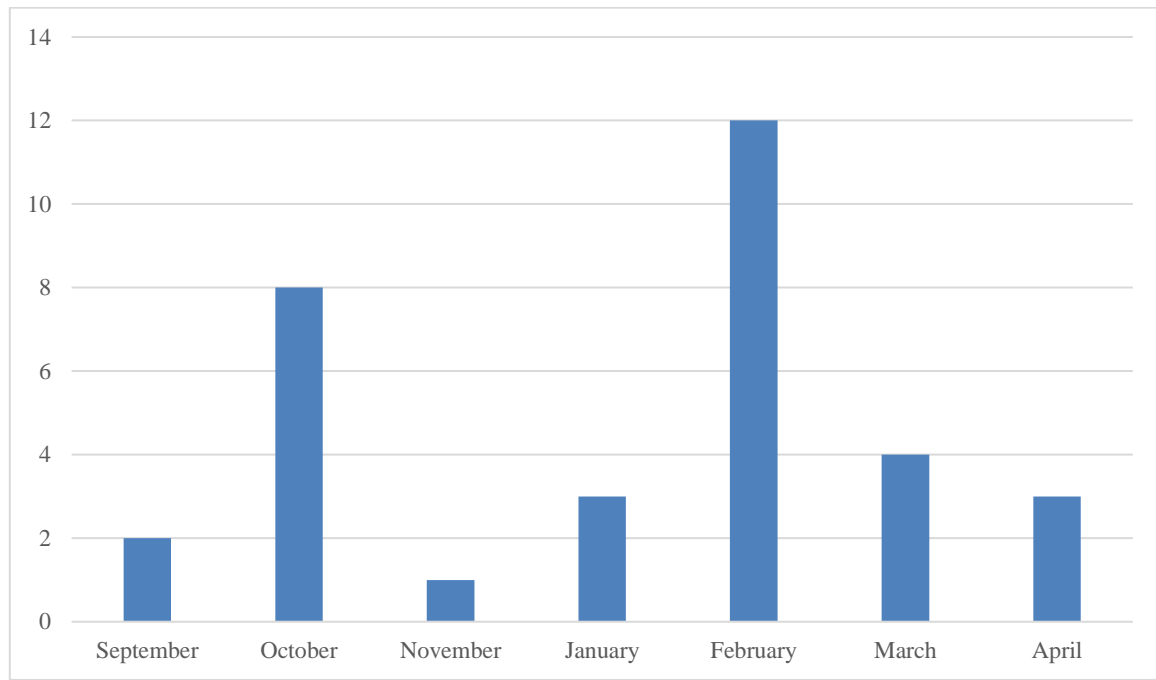


### Interaction of Faculty with Outside World

1. Prof. A. R. Joshi attended an Academic Council Meeting of Thakur College of Engineering & Technology, Mumbai on 20th March 2021
2. Prof. Purva Raut conducted a webinar on "Writing Technical Paper" on 23rd April 2021 at SNTD university, Santacruz from 10.00 am to 11.30 am which was attended by 400 Students of Graduation and Post Graduation Courses.
3. Prof. Neha Katre was a reviewer in ICCICT-2021, organised by Sardar Patel Institute of Technology.
4. Dr. Vinaya Sawant was a panel member for conducting the Personal Interview process of MCA - Batch 2021.

### Seminars/Workshops/Conference/FDP/STTP/Expert Talk Organized in the Department

September	02
October	08
November	01
January	03
February	12
March	04
April	03
<b>TOTAL</b>	<b>33</b>



### **September**

1. DJCodestars organized a session on “Introduction to Competitive Programming” on 24<sup>th</sup> September 2021 from 4:30pm. The session was conducted primarily by chairpersons Ankit Gupta and Smit Malkan,
2. DJCodestars conducted their first lecture on “Time complexities” for SE, TE and BE on 29<sup>th</sup> September 2021 from 4:30pm.

### **October**

1. Second lecture of DJCodestars on conducted on “Inputs, outputs, sorting and binary search” on 2nd October, from 2:30 pm. This lecture was conducted by Riddham Gadia, Smit Malkan, Nilay Bhatia, and Jash Jain. Around 35 students attended that lecture.
2. Third lecture of DJCodestars on conducted on “Stacks and queues” on 6<sup>th</sup> October, from 4:30 pm. The lecture was taught by Smit Malkan, Jash Jain and Preet Soni and around 45 students attended that lecture.
3. Fourth lecture of DJCodestars on conducted on “Queues and binary search” on 9<sup>th</sup> October, from 4:30 pm. This lecture was conducted by Jash Jain and Rayyan Merchant. Around 40 students attended the lecture.





4. The fifth lecture, a doubts solving session was arranged by DJCodestars on 13<sup>th</sup> October from 4:30pm. This lecture was conducted by Riddham Gadia and Smit Malkan. Around 30 students had attended the doubts session.
5. Sixth lecture of DJCodestars on conducted on “Hashmaps and fast exponents” on 23<sup>rd</sup> October, from 4:30 pm. This lecture was conducted by Riddham Gadia, Smit Malkan, Nilay Bhatia and Preet Soni. Around 35 students attended that lecture.
6. Seventh lecture of DJCodestars on conducted on “Recursion” on 27<sup>th</sup> October, from 4:30 pm. This lecture was conducted by Jash Jain, Rayyan Merchant and Riddham Gadia. Around 20 students attended this lecture.
7. Eight lecture of DJCodestars on conducted on “Dynamic Programming” on 30<sup>th</sup> October, from 4:30 pm. This lecture was conducted by Riddham Gadia, Nilay Bhatia and Smit Malkan. Around 25 students attended the lecture.
8. DJCodestars conducted a coding contest on important topics like Binary Search and Stacks. The contest was on 11<sup>th</sup> October from 9:00pm. The target audience were SE and TE.

### **November**

1. DJCodestars conducted a coding contest on important topics like integer overflows, modular arithmetics, binary exponentiation, hashing and hashmaps. The contest was on 1<sup>st</sup> November from 9:00pm. The target audience were SE and TE.

### **January**

1. DJCSI organized “Git Workshop” on 15<sup>th</sup> January 2021. The workshop conducted online on MS Teams with 105 participants. The workshop was conducted by committee members and experienced developers Ansh Mehta and Soham Dave.
2. DJCSI in collaboration with sumzapp conducted a webinar for “Android Development” on the 29<sup>th</sup> of January 2021.
3. Nineth lecture of DJCodestars on conducted on “Trees” on 28<sup>th</sup> January, from 3:00 pm. This lecture was conducted by Nilay Bhatia and Smit Malkan. Around 25 students attended the lecture.



## **February**

1. A session to discuss the homework problems was conducted by DJCodestars on 4<sup>th</sup> February 2021 from 4:00pm. This lecture was taken by Parth and Sagar.
2. A tech Interview session on “Trees” was organized by DJCodestars on 5<sup>th</sup> February 2021, from 3:00pm. This lecture was taught by Ankit, Preet and Riddham. Around 30 students attended this lecture.
3. DJCSI conducted for the first time, a never seen before the event: CSI Weekend. The event was conducted online on discord for two days, Saturday 6<sup>th</sup> February and Sunday 7<sup>th</sup> February 2021.
4. Tenth lecture of DJCodestars on conducted on “Graphs” on 9<sup>th</sup> February, from 3:00 pm.
5. A tech Interview session on “Graphs” was organized by DJCodestars on 11<sup>th</sup> February 2021, from 3:00pm. This lecture was taught by Ankit, Preet and Riddham. Around 30 students attended this lecture.
6. Eleventh lecture of DJCodestars on conducted on “Dynammic Programming” on 16<sup>th</sup> February, from 3:00 pm. The lecture was taken by Ankit Gupta and Riddham Gadia and around 30 people attended this lecture.
7. The department organised a seminar on “Introduction to IPR and importance of patents” for SE, TE and BE on 18<sup>th</sup> February 2021 from 2:30-4:30. The speaker for the seminar was Dr. Nazima Munshi. The seminar was conducted virtually on MS Teams.
8. DJCSI organized a great live webinar for GATE preparation and career opportunities conducted by Vidyalankar for the benefit of students on 18<sup>th</sup> February 2021 online on zoom.
9. DJCodestars conducted a session for FE on “Introduction to programming, variables, constants, I/O” on 19<sup>th</sup> February from 4:00pm. Around 200 FEs attended this lecture. This lecture was taken by Rajvi, Aunali and Parth.
10. DJCSI in association with Vidyalankar conducted a webinar to talk all about GRE and everything that comes with it on 23<sup>rd</sup> February 2021 online on zoom.
11. DJCodestars conducted a session for FE on “Operators, If-Else statements, Switch case” on 26<sup>th</sup> February from 4:00pm. This lecture was taught by Shrey and Sagar, around 120 students attended the lecture.
12. The department organized “Alumni Meet” on 27<sup>th</sup> February 2021. A total of 37 alumni attended the meet.



### March

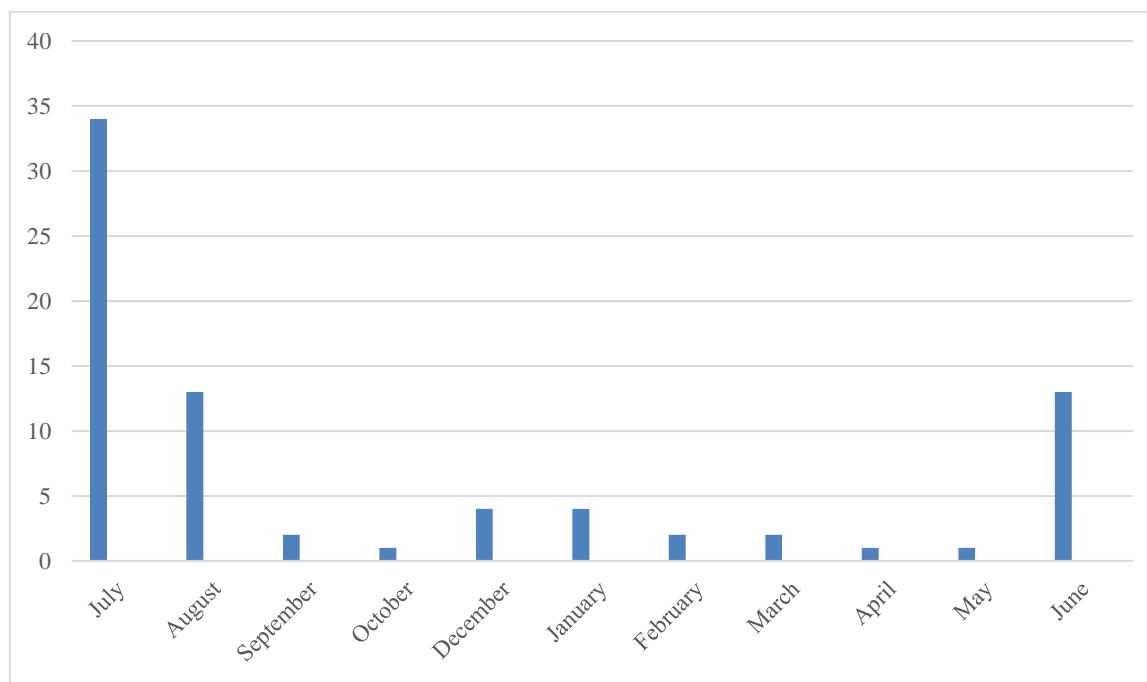
1. DJCSI organized “Codeshastra 7.0” on 13<sup>th</sup> and 14<sup>th</sup> March 2021.
2. DJCSI hosted an unparalleled event called “Pitch Please” on 28<sup>th</sup> and 29<sup>th</sup> March 2021.
3. DJCodestars conducted a session for FE on “For loops, shorthand operators, char and ASCII values” on 22<sup>nd</sup> March from 4:00pm. This lecture was taken by Rajvi and Parth around 35 students attended this lecture.
4. DJCodestars organized Code-Unicode 4.0, a 3 hour long intercollegiate coding contest with problems ranging in difficulty from easy to hard. The contest was kept open to all and received 410 registrations. The event was on 11<sup>th</sup> March 2021 from 3:00pm-6:00pm.

### April

1. DJCodestars conducted a session for FE on “Break,Continue and Do-while” on 12<sup>th</sup> April from 4:00pm. This lecture was taken by Shrey and Rajvi, and around 35 students attended the lecture.
2. Department of Information Technology alongwith Department of Computer Engineering organised “DJ-ASCII 2021”, a state-level project competition on 17<sup>th</sup> April 2021.
3. DJCodestars conducted a session for FE on “Nested loops” on 19<sup>th</sup> April from 4:00pm. This lecture was taken by Shrey and Parth.

### Seminars/Workshops/FDP/STTP/NPTEL/Online Courses attended by Faculty Members

July	34
August	13
September	2
October	1
December	4
January	4
February	2
March	2
April	1
May	1
June	13
<b>TOTAL</b>	<b>77</b>



## **July**

1. Prof. Mitchell D'silva attended a one week AICTE - ISTE Approved Short Term Training Programme on "Outcome Based Education & NBA" from 29th June, 2020 to 3rd July, 2020 organized by R&D Cell & IQAC of Shree. L. R. Tiwari College of Engineering.
2. Prof. Mitchell D'silva completed a 5-week online course on "Using Databases with Python" offered by University of Michigan on Coursera on 1st July, 2020.
3. Prof. Stevina Correia completed a 5-week online course on "Performance Assessment in the Virtual Classroom" offered by University of California, Irvine on Coursera on 2nd July.
4. Prof. Stevina Correia completed a 5-week online course on "Learning to Teach Online" offered by UNSW Sydney (The University of New South Wales) on Coursera on 3rd July.
5. Prof. A. R. Joshi attended a webinar on "Outcome Based Education" on 6th July 2020, organized by IQAC, Jaywant College of Engineering and Polytechnic, K. M. Gad, Sangli.
6. Prof. Neha Katre completed a 5-week online course on "Learning to Teach Online" offered by UNSW Sydney (The University of New South Wales) on Coursera on 8th July 2020.



7. Prof. Stevina Correia completed a 5-week online course on “Cybersecurity Roles, Processes & Operating System Security!” offered by IBM on Coursera on 10th July, 2020.
8. Prof. Mitchell D’silva completed a 5-week online course on “Learning to Teach Online” offered by UNSW Sydney (The University of New South Wales) on Coursera on 12th July, 2020.
9. Prof. Mitchell D’silva completed a 5-week online course on “Performance Assessment in the Virtual Classroom” offered by University of California, Irvine on Coursera on 12th July, 2020.
10. Prof. Mitchell D’silva completed an online workshop on IEEE Xplore Digital Library for Academics and Research jointly organized by EBSCO Information Services, India; IEEE India & Atharva College of Engineering, Mumbai on 13th July, 2020.
11. Prof. Vinaya Sawant completed a 4-week online course on The Blockchain offered by University of California, Irvine on 13th July.
12. Prof. Vinaya Sawant had attended Oracle HRMS General Go Live Preparation - User Trainings organized by SVKM from 13th July-20th July.
13. Prof. Mitchell D’silva completed a 3-week online course on “Data Collection and Processing with Python” offered by University of Michigan on Coursera on 14th July, 2020.
14. Prof. Mitchell D’silva attended a webinar on “Expectation of Industry during Covid-19” organized by Shree. L. R. Tiwari College of Engineering on 15th July, 2020.
15. Prof. Mitchell D’silva completed a 3-week online course on “Python Classes and Inheritance” offered by University of Michigan on Coursera on 18th July, 2020.
16. Prof. Mitchell D’silva attended a webinar on “Progressive Web Application Development” organized by Methodist College of Engineering and Technology, Hyderabad on 18th July, 2020.
17. Prof. Vinaya Sawant completed a guided project on Visualizing Citibike Trips with Tableau authorised by Coursera Project Network on 18th July
18. Prof. Mitchell D’silva attended a 3 day FDP on "Interactive-Impactful E-Learning Techniques" organised by K.C. College of Engineering and Management Studies & Research, Thane from 18th July, 2020 to 20th July, 2020.
19. Prof. Vinaya Sawant completed a guided project on Image Processing with Python authorised by Coursera Project Network on 20th July.



20. Prof. Neha Agarwal completed a 5-week online course on "Learning to Teach Online" offered by UNSW Sydney (The University of New South Wales) on Coursera on 24th July.
21. Prof. Vinaya Sawant completed a 5-week online course on "Learning to Teach Online" offered by UNSW Sydney (The University of New South Wales) on Coursera on 24th July.
22. Prof. A. R. Joshi attended a Technical Hands-on session on "Developing Document Upload and Verification System" on 24th July 2020, organized by SVKM IT Team.
23. Prof. Neha Agarwal completed a 4-week online course on "Java Programming: solving problems with software" offered by Duke University on Coursera on 26th July.
24. Prof. Mitchell D'silva attended a Knimbus Online Webinar on "Successful Research Papers: Concepts to Submission" organized by DJSCOE on 28th July, 2020.
25. Prof. Neha Agarwal attended a webinar on "Successful Research Papers: Concepts to Submission" organised by the Department of Library (Manubhai P. Sanghvi Knowledge Centre), DJSCE on 28th July 2020 from 11:00-1:00. The speaker of the webinar was Dr. Maina Chawla Singh, Director, GIST Institute.
26. Prof. Neha Katre attended a webinar on "Successful Research Papers: Concepts to Submission" organised by the Department of Library (Manubhai P. Sanghvi Knowledge Centre), DJSCE on 28th July 2020 from 11:00-1:00. The speaker of the webinar was Dr. Maina Chawla Singh, Director, GIST Institute.
27. Prof. Neha Katre completed a 4 week online course on "Python Basics" from coursera in July 2020.
28. Prof. Neha Katre completed a 7 week online course on "Python Data Structures" from coursera in July 2020.
29. Prof. Vinaya Sawant had attended a webinar "Successful Research Papers: From Concept to Submission" organized by Dwarkadas J. Sanghvi College of Engineering, Department of Library (Manubahi P. Sanghvi Knowledge Centre) & GIST Institute on 28th July.
30. Prof. Harshal Dalvi have attended and completed SAS training for SAS(R) Programming 1: Essential and SAS(R) Programming 2: Data Manipulation Techniques from 27th July, 2020 to 31st July 2020
31. Prof. Harshal Dalvi has successfully completed "The Data Scientist's Toolbox" an online non-credit course authorized by Johns Hopkins University and offered through Coursera.



32. Prof. Harshal Dalvi has successfully completed “AWS Fundamentals: Going Cloud-Native” an online non-credit course authorized by Amazon Web Services and offered through Coursera
33. Prof. Harshal Dalvi has successfully completed “Data Science Math Skills” an online non-credit course authorized by Duke University and offered through Coursera
34. Prof. Harshal Dalvi has participated in Knimbus online webinar on “Successful Research Papers: Concepts to Submission” held on 28th July, 2020.

### **August**

1. Prof. Harshal Dalvi has completed SAS(R) training Visual Analytics-1 for SAS(R)9 Basics and Advanced from 3rd August 2020 - 6th August 2020.
2. Prof. Stevina Correia completed a 4-week online course on “Cryptography and Information Theory” offered by University of Colorado System on coursera on 5th August 2020.
3. Dr. Vinaya Sawant attended a one day National Webinar on “NAAC Revised Accreditation Guidelines & Role of IQAC in Post Covid-19 Era” organised by St. Vincent Pallotti College of Engineering and Technology, Nagpur on 6th August 2020.
4. Prof. Neha Katre attended a one day National Webinar on “NAAC Revised Accreditation Guidelines & Role of IQAC in Post Covid-19 Era” organised by St. Vincent Pallotti College of Engineering and Technology, Nagpur on 6th August 2020.
5. Prof. Neha Katre completed a 5 week online course on “Using Databases with Python” from coursera offered by University of Michigan on 8th August 2020.
6. Prof. Harshal Damodar Dalvi has successfully completed “Getting Started with SAS Programming” an online non-credit course authorized by SAS and offered through Coursera.
7. Prof. Harshal Damodar Dalvi has successfully completed “Introduction to Blockchain: Benefits, Values and Opportunities” an online non-credit course authorized by Association of International Certified Professional Accountants and offered through Coursera.
8. Prof. Harshal Damodar Dalvi has successfully completed “Information Security: Context and Introduction” an online non-credit course authorized by University of London and Royal Holloway, University of London and offered through Coursera



9. Prof. Harshal Damodar Dalvi has successfully completed “Blockchain Transformations of Financial Services” an online non-credit course authorized by INSEAD and offered through Coursera
10. Prof. Neha Katre completed a 6 week online course on “Using Python to Access Web Data” from coursera offered by University of Michigan on 24th August 2020.
11. Prof. Neha Katre completed the online, non-credit Specialization course “Python for Everybody” offered by University of Michigan on 24th August 2020.
12. Prof. Neha Katre completed “Mining Data to Extract and Visualize Insights in Python”, an online non-credit course authorized by Coursera Project Network and offered through Coursera on 24th August 2020.
13. Prof. A. R. Joshi attended a Faculty Development Program on “Intellectual Property Rights” on 24th August 2020, organized by D. J. Sanghvi College of Engineering, Mumbai.

### **September**

1. Prof. Stevina Correia Participation in the Faculty Development Program on ‘ETL in the age of Artificial Intelligence’ held on 26 Sep 2020 by TCS on Digital Platform.
2. Prof. A. R. Joshi successfully completed NPTEL Online Certification of 4 weeks course on “Design Thinking - A Premier” from Sept-Oct 2020 with consolidated score of 86%.

### **October**

1. Dr. Vinaya Sawant completed a guided project on “Detecting COVID-19 with Chest X-Ray using PyTorch” from Coursera Project Network.

### **December**

1. Prof. Neha Katre attended training on “Predictive Analysis” from 1st-4th December 2020. The training was conducted by Mr. Amit Goyal, IBM.
2. Dr. Vinaya Sawant attended an ATAL FDP on Design Thinking from 7th -11th December 2020. The FDP was organised by Vidyalankar Institute of Technology.
3. Prof. Neha Katre attended an ATAL FDP on Design Thinking from 7th -11th December 2020. The FDP was organised by Vidyalankar Institute of Technology.
4. Prof. Prachi Tawade attended an ATAL FDP on Design Thinking from 7th -11th December 2020. The FDP was organised by Vidyalankar Institute of Technology.





### **January**

1. Prof Neha Agarwal attended an ATAL FDP on IOT from 11th-15th of January 2021. The FDP was organized by LBS college of engineering, Kerala.
2. Prof. A. R. Joshi successfully completed NPTEL Online Certification and Faculty Development Program of 4 weeks course on “Effective Engineering Teaching in Practice” from Jan-Feb 2021 with consolidated score of 88% and topper in the course.
3. Prof. A. R. Joshi successfully completed NPTEL Online Certification and Faculty Development Program of 4 weeks course on “Designing Learner-centric MOOC” from Jan-Feb 2021 with consolidated score of 90%.
4. Prof Prachi Tawde successfully completed NPTEL Online Certification and Faculty Development Program of 4 weeks course on “Designing Learner-centric MOOC” from Jan-Feb 2021 with consolidated score of 73%.

### **February**

1. Dr. Vinaya Sawant, enrolled for NPTEL course of 8 weeks on “Cloud Computing” and successfully completed with a score of 83% (Feb-Apr 2020).
2. Prof. Harshal Dalvi attended Technical Education Quality Improvement Program (TEQIP-III) Sponsored 2nd One Week Short Term Training Program (ONLINE MODE) On Research Methodology: Tools and Techniques - II organized by Mechanical Engineering Department, S.V. National Institute of Technology, Surat during February 1-5, 2021

### **March**

1. Prof. Neha Agarwal successfully completed an 8 weeks NPTEL course by AICTE-NITTT on “Student Assessment and Evaluation” with a score of 76% from (Mar -May 2020).
2. Prof. Neha Agarwal successfully completed an 4 weeks NPTEL course on “Python for data Science” with a score of 70% (Jan-Feb 2021)



### April

1. Prof. Neha Katre attended a one week STTP on “Recent Trends in Statistical Analysis” from 29th March 2021 to 3rd April 2021 organized by REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India. It was an online STTP.

### May

1. Prof. Arjun Jaiswal attended 5-days online Faculty Development Program on “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 24th May 2021 to 28th May 2021.

### June

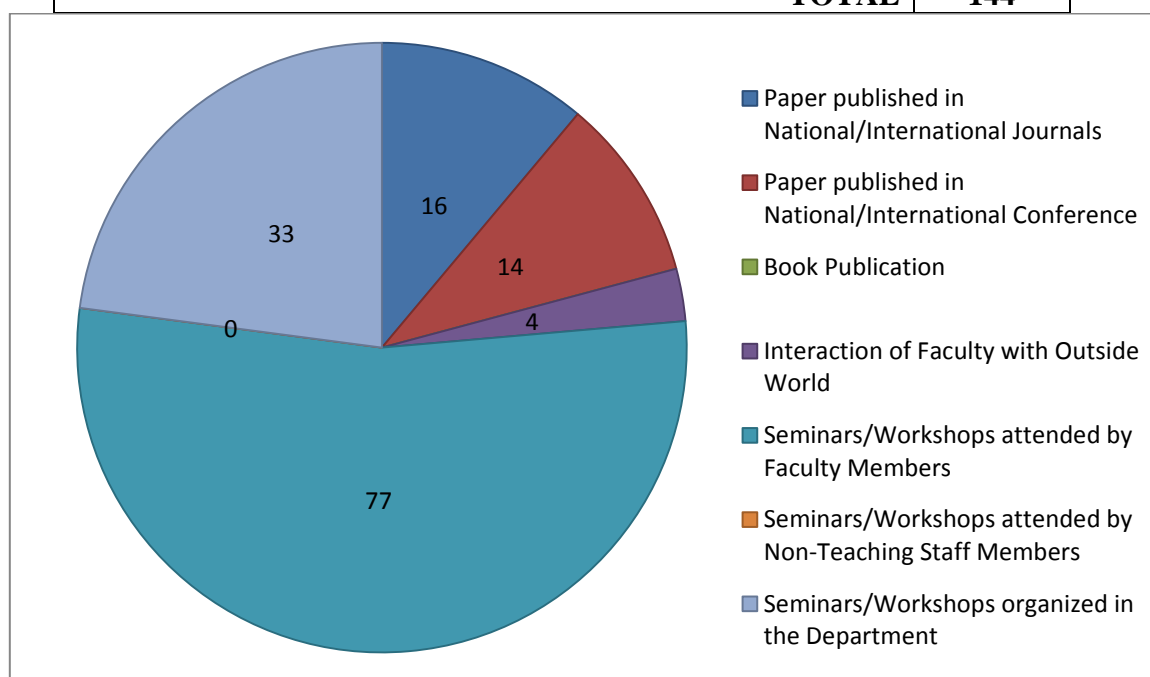
1. Prof. Neha Katre attended a one day workshop on “Applications of Microsoft Power Automate & Virtual Assistant for AI Educational Bots”, conducted by Dr. Ramchandra Mangrulkar, Computer Dept, DJSCE on 5th June 2021.
2. Prof. Neha Katre attended a technical talk on “Artificial Intelligence & Video Analytics”, on 11<sup>th</sup> June 2021, organised by Computer Society of India (CSI), Cochin Chapter.
3. Prof. Neha Katre attended a seminar on “Basics of Machine Learning and Deep Learning” on 15<sup>th</sup> June 2021, organised by IQAC, DJSCE.
4. Dr. Vinaya Sawant attended a seminar on “Basics of Machine Learning and Deep Learning” on 15<sup>th</sup> June 2021, organised by IQAC, DJSCE.
5. Dr. Vinaya Sawant attended One Week Faculty Development Program on “Strategies for Sustaining Quality Culture in Autonomous colleges” organised by K J Somaiya Institute of Engineering and Information Technology, Sion, Mumbai in association with RUSA, Maharashtra from 21st - 25th June 2021.
6. Prof Prachi Tawde attended a seminar on “Basics of Machine Learning and Deep Learning” on 15th June 2021, organised by IQAC, DJSCE
7. Prof Prachi Tawde attended a seminar on “Design filing process in India, Copyright filing process in India” on 18 June, 2021 organised by Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM), Nagpur in Collaboration with Maharashtra National Law University (MNLU), Mumbai
8. Neha Agarwal attended a seminar on “Basics of Machine Learning and Deep Learning” on 15th June 2021, organised by IQAC, DJSCE.



9. Prof. Arjun Jaiswal attended a one day workshop on “Applications of Microsoft Power Automate & Virtual Assistant for AI Educational Bots”, conducted by Dr. Ramchandra Mangrulkar, Computer Dept, DJSCE on 5th June 2021.
10. Prof. Arjun Jaiswal attended a seminar on “Basics of Machine Learning and Deep Learning” on 15th June 2021, organised by IQAC, DJSCE.
11. Prof. Arjun Jaiswal attended 3-days online Faculty Development Program on "Industry 4.0-The Way Forward" organised by MCT's Rajiv Gandhi Institute of Technology, EXTC Dept, Mumbai from 29th June - 1st July 2021.
12. Prof. A. R. Joshi attended a seminar on “LaTex for Report Writing” on 4th June 2021, organised by Director HR (Training), SVKM.
13. Prof. A. R. Joshi attended a seminar on “Basics of Machine Learning and Deep Learning” on 15th June 2021, organised by IQAC, DJSCE.

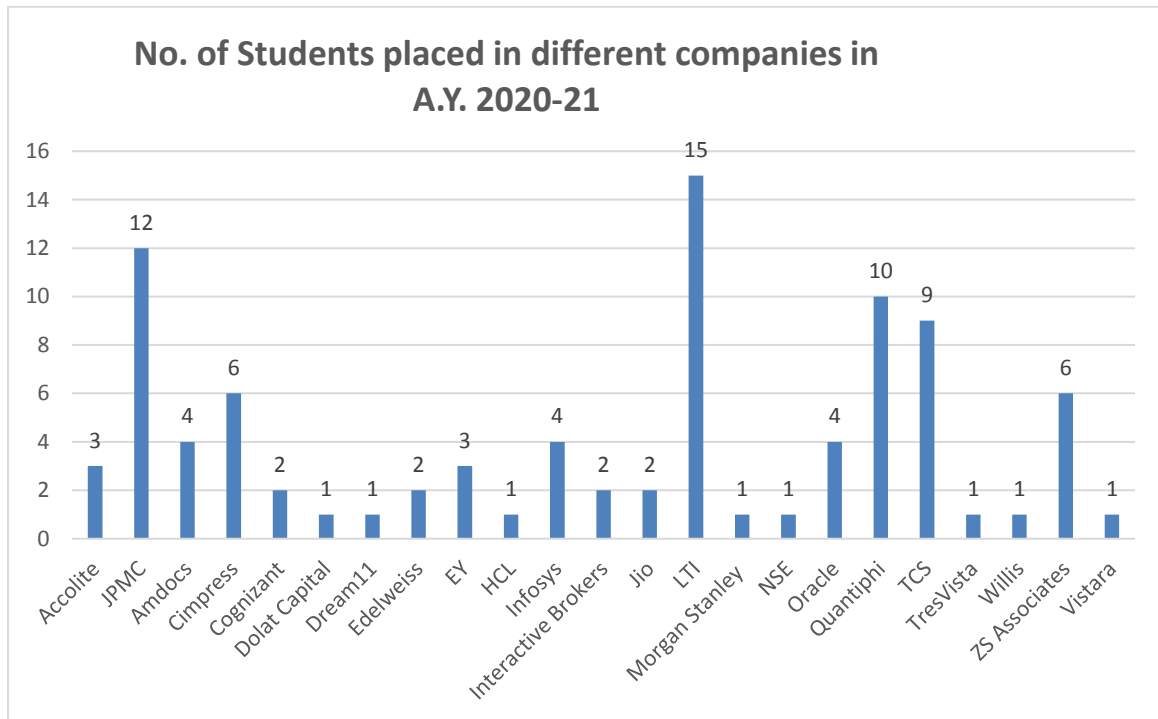
**ACTIVITIES IN THE DEPARTMENT (July 2020-June 2021)**

Paper published in National/International Journals	16
Paper published in National/International Conference	14
Book Publication	0
Interaction of Faculty with Outside World	04
Seminars/Workshops attended by Faculty Members	77
Seminars/Workshops attended by Non-teaching Staff Members	0
Seminars/Workshops organized in the Department	33
<b>TOTAL</b>	<b>144</b>

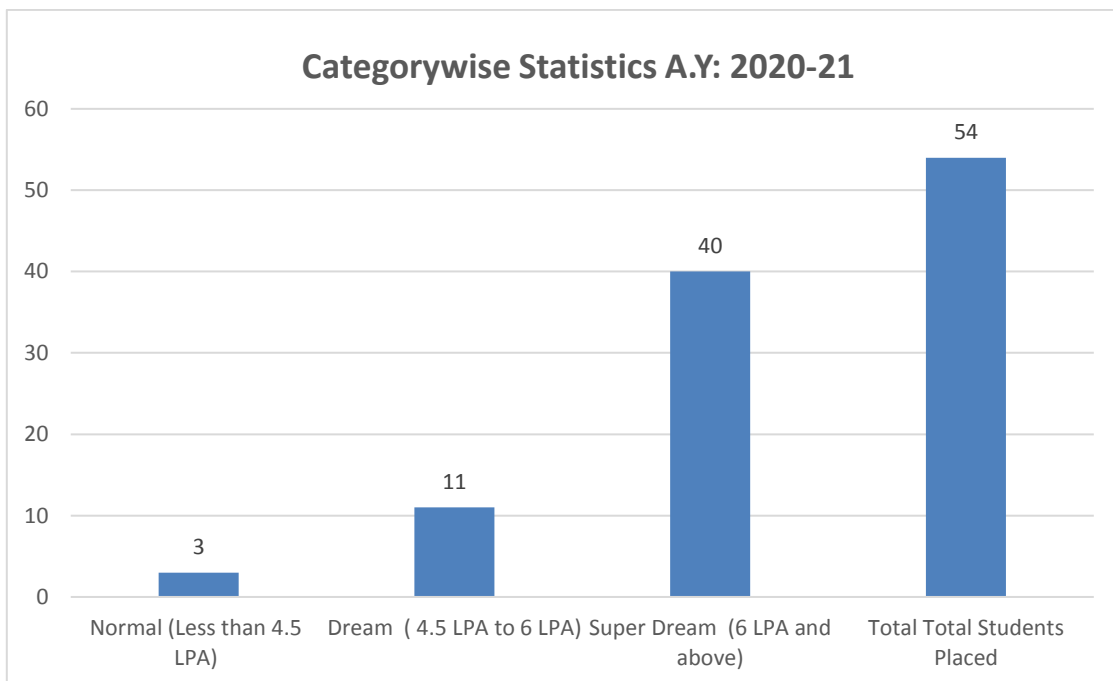




**Placement Record July 2020-April 2021**

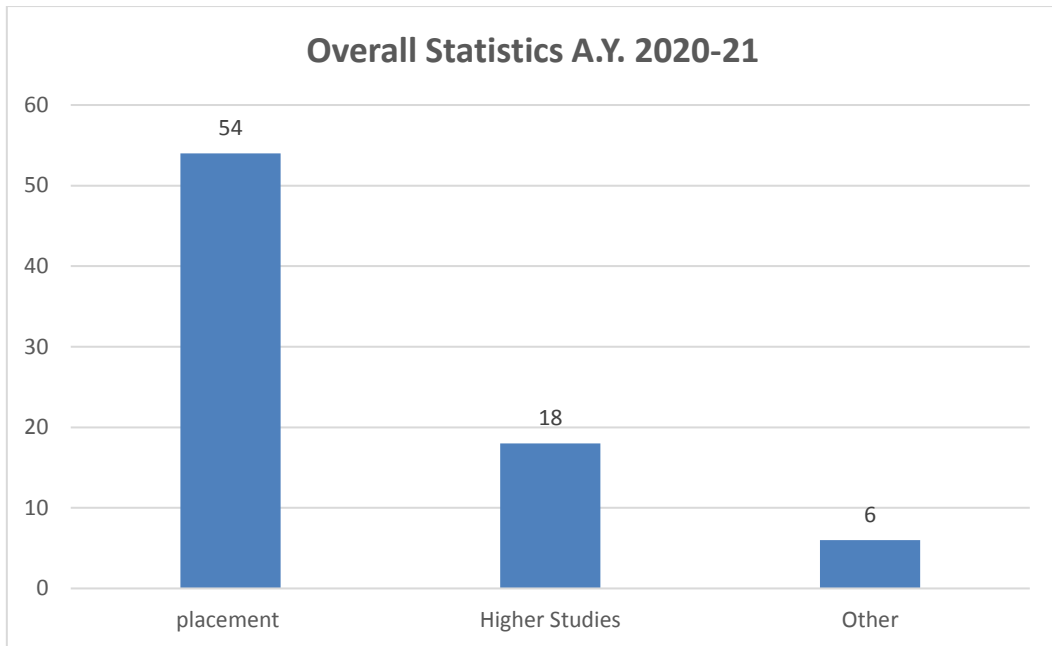


**Students Placed in different categories of Companies**





**Count of Students opting for Placement, Higher Studies and Entrepreneurship**





### FACULTY ACHIEVEMENTS

1. Prof. A. R. Joshi successfully completed NPTEL Online Certification of 4 weeks course on “Design Thinking - A Premier” from Sept-Oct 2020 with consolidated score of 86%.
2. Prof. A. R. Joshi successfully completed NPTEL Online Certification and Faculty Development Program of 4 weeks course on “Effective Engineering Teaching in Practice” from Jan-Feb 2021 with consolidated score of 88% and topper in the course.
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5. Dr. Vinaya Sawant, enrolled for NPTEL course of 8 weeks on “Cloud Computing” and successfully completed with a score of 83% (Feb-Apr 2020).
6. Prof. Neha Agarwal successfully completed an 8 weeks NPTEL course by AICTE-NITTT on “Student Assessment and Evaluation” with a score of 76% from( Mar -May 2020).
7. Prof. Neha Agarwal successfully completed an 4 weeks NPTEL course on “Python for data Science” with a score of 70% (Jan-Feb 2021)



### STUDENTS ACHIEVEMENTS

1. Nishant Dave, a student of third year and his team named 'Yuva Parivartan' won the JPMorgan Chase & Co.'s Code for Good hackathon 2020!
2. Muskan Goyal, a student of second year IT, participated in a hackathon arranged by ACM AND E-CELL of DJSCE and won the first prize for the same.
3. Jaishruti Mahadevan, a student of TEIT, completed a NPTEL course on "Programming in Java" with a score of 72%.
4. Soham Dave, Rushank Shah, and Tanveesh Singh, students of TE IT, secured the Top8 (finalist) position in NIT SURAT's national level hackathon (24-hour virtual hackathon).
5. Rajat Parab, a student of TEIT participated in a hackathon organised by SPIT. His team secured the 1st position in the competition.
6. Jaynik Gaglani, student of BEIT, secured an All India Rank of 26 for GATE Exam 2021 in the branch of Computer Science and Information Technology.
7. Rushank Shah, student of BEIT, got selected for internship at Harvard's Digital Soul Team.
8. Dhrumil Thokore, student of TEIT, got selected for internship at Harvard's Digital Soul Team.