

## Annual Activity of Sardar Patel College of Engineering, Andheri(west), Mumbai (2018-19)

<b>Name of the Institution</b>	:	Sardar Patel College of Engineering
<b>Address with phone number and email</b>	:	Bhavan's Campus, Munshi Nagar Andheri (West), Mumbai - 400 058  Phone (022) 26289777, 26232192
<b>Date of Establishment</b>	:	1962
<b>Affiliation</b>	:	Autonomous Institution Affiliated to University of Mumbai
<b>Academic / Professional Levels</b>	:	B.Tech (Civil/Mechanical/Electrical) M.Tech (Structural Engg/Construction Management/Thermal Engg./Machine Design/Power Electronics & Power Systems), PhD(Civil, Electrical and Mechanical )
<b>Name of Principal / Director</b>	:	Dr. P. H. Sawant
<b>Number of faculty members</b>	:	46 (Permanent) 9 (Ad-hoc) Total 55
<b>Total Number of Students</b>	:	854+187 = 1041 (UG+PG)
<b>Academic Excellence</b>	:	

Discipline	Appeared	Passed	Percentage	Distinction (In Percentage)	First Class (In Percentage)
Civil Engineering	77	73	94.81%	41	28
Mechanical Engineering	72	68	94.44%	31	25
Electrical Engineering	69	67	97.10%	34	31
M. Tech Construction Management	18	13	72.22%	9	3
M. Tech Structural Engineering	17	13	72.22%	7	6
M. Tech Thermal Engineering	18	11	61.11%	6	5
M. Tech Machine Design	18	16	88.89%	12	0
M. Tech Power Electronics and Power Systems	12	9	69.23%	9	0

### Placement Records:

Sr. No.	Name of Program	No of students Placed in 2018- 19	Maximum Salary Offered by Company per Annum (in Rs. Lakhs)	Average Salary Offered by Company Per Annum (in Rs. Lakhs)
1.	B. Tech Civil	35	6.00	3.75
2.	B. Tech Mechanical	52	6.00	3.75
3.	B. Tech Electrical	67	6.00	3.75
4.	M. Tech. (Civil) Structural Engineering	12	6.00	4.00
5.	M. Tech. (Civil) Construction Management	10	6.00	4.00
6.	M. Tech. (Mechanical) Machine Design	06	6.00	4.00
7.	M. Tech. (Mechanical) Thermal Engineering	07	6.00	4.00
8.	M. Tech. (Electrical) Power Electronics and Power Systems	09	6.00	4.00

### Department wise Achievements:

#### (a) Civil Engineering Department

- (i) Revenue generated by civil engineering department through consultancy and testing is 2.27 cores.

- (ii) The research paper “Development of feeder route system for Mumbai Metro line 2A & 7 using QGIS”, presented at Conferences on Technologies for future cities held at Pillai College of Engineering Mumbai, 8-9 January, 2019 by Anand Singh, P. Shrivastava, A. R. Kambekar and Pallavi Kulkarni has Received best paper award
  - (iii) The paper ” Framework for Implementation of VE in Infra projects” presented at 34th INVEST International Conference organized by Indian Value Engineering Society, held at Mumbai 7th-8th Dec 2018 by Jay Pavecha and Gaikwad P G., has received best Paper Award in 34th INVEST International Conference
  - (iv) Dr. A. R. Kambekar delivered eleven expert talks at various institutes over the Maharashtra state.
  - (v) Dr. Reshma Raskar delivered lecture on 'Introduction to Geomatics Technology' at Kalsekar Technical Institute, Panvel, Navi Mumbai - Jan. 2019.
  - (vi) M.Tech Scholar, ANAM SAYED, student of Dr. Anil N. Ghadge received young Innovator award-2018 for best M.Tech Thesis award from Zee media
- (b) Electrical Engineering Department**
- (i) Dr. Sangeeta Daingade received Mumbai University Minor Research Grant of Rs 35,000/- for the project “DSP based control of SRM”.
  - (ii) One day program “Interaction with Industry” was conducted on Feb 09,2019 from 9.00am-5.30pm. The participation was from various industries such as Akers solution, L & T, Siemens, Godrej, Toyo Engineering, Adani, Bharat Gas, POSOCO, Asian paints etc. The faculty from BVB’s Sardar Patel College of Engg, Mumbai and Government Engg. College, Rewa were participated in the same. The programme was conducted in four sessions.
  - (iii) S. Y. B. Tech. students secured first rank in VJTI Robotics Challenge (VRC) competition during Technovanza VJTI, 2018 (28-30/12/2018). The team members for the same were Mr. Ayush Sagatiya, Mr. Pranav Kumbhar, Mr. Tarang Bavishi, Mr. Rahul Jha, Ms. Divya Shah and Mr. Aditya Bakshi.
  - (iv) Ms. Saiprabha Mittal (T.Y.) was selected for state level Debate/Elocution Competition on Energy Conservation at Divisional Office, MEDA Mumbai.
  - (v) Our students Mr. Akash Jadhav( B. Tech.) and Mr. Rutvik Rathod ( S. Y. B. Tech)were the team members for the competition International Robotics Challenge (IRC) organized by IIT, Bombay. The team secured second rank in national as well as international level rounds.
  - (vi) Mr. Sourish Gavali (T. Y.) and Mr. Anand Wataney(B. Tech.) participated and won in the following debate competitions and secured runner up position at the national level Father Concicao Rodriguez memorial debates.
- (c) Mechanical Engineering Department**
- (i) DST Research Grant (continued from previous year) to Dr. K. S. Bhole: Dr. Bhole has received a grant of Rs 20 Lakhs from Science and Engineering Research Board of Department of Science and Technology, Government of India Currently the project is running in its completion phase.
  - (ii) Dr. S. B. Rane received best paper award, third position, at international conference at SOA University, Bhubaneshwar, in September 2018. The paper was titled “Tool condition monitoring system in radial drilling machine by vibration analyser”.
  - (iii) Dr. S. B. Rane was Key Speaker at Malaviya National Institute of Technology, MNIT Jaipur and conducted sessions from 10th to 12th December, 2018 in Short Term Course on Data Analytics For Engineers
  - (iv) Prof. Kunal Bhavsar has been elected in June 2018 as ‘Young Engineers at ASHRAE Chair’ for Mumbai Chapter for year 2018-19. Prof. Kunal Bhavsar has also been elected second time in succession in April 2018 as ‘Student Activity Chair’ at ISHRAE for Mumbai Chapter.
  - (v) Mr. Ujjal Mavinkurve, final year B.Tech.(Mechanical) has secured the prestigious Japanese Government (MEXT) Scholarship for the Research Students 2019. He has successfully competed against meritorious students at national level to secure the scholarship. He plans to pursue his academic/research career in Japan.
  - (vi) Our alumnus Mr. Niket Shah (2018 batch) secured All India 6th Rank at Joint Admission Test for M.Sc. (JAM 2019) in Physics stream. Niket aspires to make career in core Physics discipline.
  - (vii) Ms. Sharada Gavade and Mr. Varad Abhyankar (both from T.Y.B.Tech. Mechanical) have won two special awards: (i) Young Researcher Award, (ii) Best Paper Award at International Conference ICNTE 2019 held at Fr. C. Rodrigues Institute of Technology, Vashi, on 4-5 January 2019. Their work titled "System Development for Simultaneous Measurement and Control of pH and Moisture of Soil" was co-authored and supervised by Dr. Kiran Bhole.
  - (viii) SPCE team with Mr. Kunal Panniker and Mr. Akash Jadhav from B.Tech.(Mech) and Mr. Ruthwik Rathod from B.Tech.(Elec) won 2nd prize at International Robotics Challenge at IIT Bombay’s Techfest in December 2018.
  - (ix) SPCE Racing team secured overall 11th Rank at national level for Formula Bharat 2019 competition.
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