



**Mahatma Education Society's  
Pillai College of Engineering  
Dr. K. M. Vasudevan Pillai Campus, Sector16,  
New Panvel, Navi Mumbai (M.S.) 410206**

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**INFORMATION FOR  
ACADEMIC AND ADMINISTRATIVE AUDIT  
OF THE DEPARTMENT  
(2018-2019)**

1. Name of the Department : **Mechanical Engineering**
2. Year of establishment : 2002-2003
3. Programmes offered : UG
4. Details of certificate/diploma program introduced in the last academic year:

SN	Program code	Program name	Name of the certificate/diploma introduced in last 5 years	Year of introduction	Link the relevant document
1	ME	Mechanical Engg	CREO For Design Engineers through IFSA	2018	
2	ME	Mechanical Engg	Training Course CATIA V5 Mechanical Designer through IFSA	2017-18	
3	ME	Mechanical Engg	Solid Works	2018-19	
4	ME	Mechanical Engg	Basics of Automotive Graphic design	2018-19 (March-June 2019)	<a href="#"><u>report Auto design workshop</u></a>

5. Details of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council:

<b>Academic Year</b>	<b>Name of Faculty</b>	<b>Name of the body in which full time teacher participated</b>	<b>Subject</b>	<b>Level/ Semester</b>	<b>Relevant Link</b>
2018-19	Dr. Sandeep M Joshi	Member, Board of Studies, University of Mumbai			
2018-19	Vinod D	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Vaishali Kumbhar	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Tikaram Varma	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Shridhar Deshmukh	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Shilpa Mondkar	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Richa Agrawal	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Rashed Ali	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Pruthviraj Rahane	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Prof Bhagwan More	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Onkar S Sahasrabudhe	Member, Question Paper Setting Committee, University of Mumbai			

2018-19	Miriyala Durga N.K.P. Rao	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Meeta S. Vedpathak	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Lalit Mehta	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Gajanan N Thokal	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Dr. Dhanraj P Tambuskar	Member, BoE in Industrial Engg, Indian Institution of Industrial Engg			
2018-19	Dr. Dhanraj P Tambuskar	Member, Board of Studies, University of Mumbai			
2018-19	Binsu Babu	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Basawraj Talikoti	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Arun Raju	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	Amey Nijasure	Member, Question Paper Setting Committee, University of Mumbai			
2018-19	A G Shaligram	Member, Question Paper Setting Committee, University of Mumbai			

**Note: Appointment letters are available with individual faculty member**

6. Details of new Courses introduced of the total number of courses across all Programmes offered by the department:

<b>Name of the new course introduced in last A.Y.</b>	<b>Program name</b>	<b>Program code</b>	<b>Course code</b>	<b>Year of introduction</b>	<b>Link the relevant document</b>
Dynamics of Machinery	Undergraduate Mechanical Engineering	ME	MEC504	2018-19	<a href="#">Link</a>
Internal Combustion Engines			MEL501	2018-19	
Mechanical Measurements and Control			MEL502	2018-19	
Heat Transfer			MEL503	2018-19	
Dynamics of Machinery			MEL504	2018-19	
Manufacturing Sciences Lab			MEL505	2018-19	
Press Tool Design			MEDLO5011	2018-19	
Machining Sciences and Tool Design			MEDLO5012	2018-19	
Design of Jigs and Fixtures			MEDLO5013	2018-19	
Mechatronics Lab			MEL605	2018-19	
Robotics			MEDLO6022	2018-19	
Industrial Automation			MEDLO6023	2018-19	

7. Details of the programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented:

<b>Name of all programs</b>	<b>Whether adopting CBCS course system (yes/no)</b>	<b>Whether adopting elective course system (yes/no)</b>	<b>Program Code</b>	<b>Year of implementation of CBCS/ elective course system</b>	<b>Link the relevant document</b>
<b>Bachelor of Mechanical Engineering</b>	<b>Yes</b>	<b>Yes</b>	ME	<b>2016-17</b>	<a href="#">Link</a>

8. Details of students enrolled in subject related Certificate/ Diploma programs/ Add-on programs:

<b>Year</b>	<b>Title of the programme</b>	<b>Type of the programme (Certificate/ Diploma programs/ Add-on programs)</b>	<b>Total Number of students enrolled in certificate or diploma or add-on programs</b>
2018-19	Solid works tutorials in MES E-learning channel	Add-on	Available on the web for free
2018-19	Training Course CATIA V5 Mechanical Designer	Certificate	57
2018-19	Creo for Design Engineers	Certificate	15
2018-19	Training Course CATIA V5 Mechanical Designer	Certificate	19
2018-19	One day training workshop on CFD	Certificate	48
2018-19	Handling Emergencies & First Aid Techniques	Certificate	90
2018-19	Best Maintenance Practices for Pumps	Certificate	10
2018-19	NPTEL	Certificate	6

9. Details of value added courses imparting transferable and life skills:

<b>SN</b>	<b>Name of the value added courses (with 30 or more contact hours) offered during last five years</b>	<b>Course Code</b>	<b>Year of offering</b>	<b>Year of discontinuation</b>	<b>Number of students enrolled in the year</b>	<b>Number of students completing the course in the year</b>
1	Training Course CATIA V5 Mechanical Designer through IFSA	CATIA-V5	2018	-	76(57*)	76(57*)
2	CREO For Design Engineers through IFSA	CRDE	2018	-	15(10*)	15(10*)
3	Workshop of Basics of Automobile Graphic Design	BAGD	2019	-	42(8*)	42(8*)

10. Details of the students undertaking field projects/ internships:

<b>Program name</b>	<b>Program code</b>	<b>No of students undertaking field projects / internships</b>	<b>Link the relevant document</b>
Bachelor of Mechanical Engineering	MEINT	247	<a href="#"><u>1.3.3 B List of Students</u></a>
Multidisciplinary Field projects-Vanguard	All Programs	29	
Multidisciplinary Field projects-Spark	All Programs	25	

11. Analysis with action taken report of feedback received from different stakeholders i.e. students, Alumni, Employer and teachers.

<b>SN</b>	<b>Stakeholder</b>	<b>Department</b>	<b>Feedback Received</b>	<b>Action Taken</b>	<b>Link for Document</b>
1	Employers	Mechanical	The students should be provided industrial exposure by means of internship/field projects or Industrial visits as per part of their curriculum.	At the institute level, a duration of two week is provided to the students in between the semester for undergoing internship.	Letter to the BoS from HoD for introducing internship in the curriculum
2	Alumini	Mechanical	Mechanical engineers should have some coding skills	Course on python is being planned to students	
3	Alumini	Mechanical	A course on Labview software should be conducted which covers wide range of topics apart from the contents in	An introductory course on labview software and	

			curriculum	its application in simulation of different thermal systems is being planned	
4	Alumini	Mechanical	Matlab software has wide range of application in different domains. Hence a course on it will be helpful for students in implementing in their projects.	An introductory course on matlab is being planned	

12. Number of students from other States and Countries admitted in the department:

Year of enrolment	Number of students enrolled from other states	Number of students enrolled from other countries	Link of the relevant document
2018-19	05	00	

13. Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2018-19	Bachelor in Mechanical Engineering	ME	120	116

14. Number of seats filled against seats reserved for various categories(including Divyangjan) in the department:

29 % of total sanctioned seats	Year	Number of seats earmarked for reserved category as per GOI or State Government rule			Number of students admitted from the reserved category				
		SC	ST	OBC	SC	ST	OBC	Gen	Others
34	2018-19	16	8	23	03	00	17	88	08

Name of the student enrolled under Differently abled Category	Gender	UDID Card Number	Type of Disability	Percentage of Disability	Program enrolled	Year of Enrolment
NA						

15. Special programmes conducted by the department for advanced learners and slow learners:

Provide the list along with the proofs for the activities undertaken by the department for advanced and slow learners.

PCE has well defined policies and procedures to allow for the identification of different types of learners. Faculty at PCE are trained to identify and support students with varying learning capabilities.

At the First year level, students are identified into different academic categories based on their performance in the first internal assessment test. The weaker students thus identified are given more attention and it is ensured that they are taught to do well enough to perform at least to a level of passing in the university examinations.

Course-in-charge and class counselors during the teaching learning process identify the slow learners and advanced learners by observing their performance in different activities as well as the results of various assessment processes during the semester.

Mentor Mentee scheme, wherein a small group of students is allotted to one faculty mentor, helps to monitor the progress and difficulties faced by the students.

Periodic Parent Teacher meetings are organised where faculty members, and mentors interact with the parents of all learners and update them about the performance of their ward. It helps to enhance the performance of slow learners and groom advanced learners.

Remedial classes are organized for the students who are not good performers. Additional support is offered through examination oriented coaching and well formulated question banks as well as notes prepared by faculty.

When the divisions are formed, the batch of students with least scores are identified and scrupulous plan to ensure more practice among these students during the practical sessions is also made. Senior teachers are usually allotted to such batches to ensure good performance.

Study camp sessions are conducted to ensure that the weakest of the students are made to practise a certain minimum number of problems/topics from curriculum to ensure their success in examinations and thus improve their chances of placement in the higher semesters.



Special counselling and extra classes are conducted for the students who have failed in any subject. Extra lab sessions, additional tutorial hours, links to e-books and subject related video lectures are some of the other initiatives for slow learners.

Extra time for slow learners with dyslexia is given during the university examinations.

Students having good academic records are encouraged to achieve higher ranks in university exams, and to take exams like GATE, GRE, TOEFL, IELTS, CAT etc. Teachers conduct extra sessions for students to prepare them for GATE examination.

Students having orientation towards research are motivated to present their work at conferences and competitions such as Aviskar, and this has helped us in winning awards at the university and also the state level.

These students are also encouraged to become part of the student council and form other student groups. Student activity fund has also been initiated to ensure that students have funds to travel to different parts of the country to participate in various competitions. Due to our efforts, multiple student teams have won 1st place in the AICTE hackathon in 2019 and well as in 2018.

16. *Student- Full time teacher ratio:*

Year	Number of students enrolled in the department(UG)	Number of students enrolled in the department (PG)	Number of full time teachers in the department (UG)	Number of full time teachers in the department (PG)	Number of teachers teaching both UG and PG courses	STR
2018-19	543	16	29	06	05	19.2

17. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned*	Filled
Professor	03	03
Associate Professor	06	07
Assistant Professor	18	19
Total	27	29

(\* Considering 20:1 STR)

18. Number of full time teachers with Ph.D. degree:

<b>Year</b>	<b>Total No. Full time teachers</b>	<b>No. of teachers with PhD</b>
2018-19	29	06

19. Details of full time teachers who received awards, recognition, fellowship at State, National, International level from government, recognized bodies:

<b>Year</b>	<b>No. Of Full time Teachers</b>	<b>No. of teachers received awards/recognition/fellowship at State/National/International level</b>	<b>Relevant link</b>
2018-19	29	01	<a href="#"><u>Link</u></a>

20. Number of full time teachers from other States against sanctioned posts:

<b>Year</b>	<b>No. of Full time Teachers</b>	<b>No. of teachers from other states</b>
2018-19	29	03

21. Details of examination related grievances received if any.

None

22. Adherence to the academic calendar:

Yes

23. Attainment of Programme outcomes, Programme specific outcomes and course outcomes:

24. Result Analysis:

Program Code	Program Name	Level/Semester	Number of students appeared in the exam	Number of students passed in the exam
MEIII	Bachelor in Mechanical Engineering	III	147	70
MEIV		IV		
MEV		V	129	76
MEVI		VI		
MEVII		VII	148	128
MEVIII		VIII	152	138

25. Total Grant received for research projects sponsored by the government and the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs

S N	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator	Department of Principal Investigator	Year of Award	Funds provided	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)	Relevant Document link
1	Supplying Maps to Infinite Analytics	Dr. Priam Pillai	Mech	2018-19	23600	1 Month	Infinite Analytics India Pvt.Ltd.	Non-Government	
2	Drone survey of Byculla zoo	Shridhar Deshmukh and Amey Nijasure	Mechanical Engineering	2018-18	240720	15 days	Highway Construction Co	Non Government	
3	Drone survey of Byculla zoo	Shridhar Deshmukh and Amey Nijasure	Mechanical Engineering	2018-18	54870	15 days	Highway Construction Co	Non Government	
4	Low cost vehicle safety module for accident prevention	Prof. Shilpa Mondkar	Mechanical Engineering	2018-19	25000	1 Year	Mumbai university	Government	
5	Solar PV cum water heater	Dr. Sandeep Joshi	Mechanical Engineering	2018-19	40000	1 Year	Mumbai university	Government	
6	Development of gas porosimeter to	Prof. Gajanan	Mechanical	2018-19	30000	1 Year	Mumbai university	Government	

	find the porosity and evaluation of mechanical property	Thokal	Engineering						
7	Experimental investigation of Double basin solar Still coupled with solar water heater	Prof. Rashed Ali	Mechanical Engineering	2018-19	50000	1 Year	Mumbai university	Government	
8	Design and fabrication of noise cancellation device	Dr. Richa Agrawal	Mechanical Engineering	2018-19	25000	1 Year	Mumbai university	Government	
9	Design and development of solar tracker to generate power	Prof. Pruthviraj Rahane	Mechanical Engineering	2018-19	30000	1 Year	Mumbai university	Government	
10	Experimental investigation of Machining parameters inturning operation of Super Duplex Stainless steel	Dr. Dhanaraj Tambuskar	Mechanical Engineering	2018-19	40000	1 Year	Mumbai university	Government	
11	Desktop filament extruder for 3D printable composite filament	Prof. Vaishali Kumbhar	Mechanical Engineering	2018-19	30000	1 Year	Mumbai university	Government	

26. Details of the teachers recognized as research guides:

SN	Name of teachers recognized as research guides	PG / PhD Recognition	Department	Year of Recognition
01	Dr.PRIAM V PILLAI	PG and PhD	Mechanical	2013/2017
02	Dr. DHANRAJ P TAMBUSKAR	PG and PhD	Mechanical	2015/2019
03	Dr.SANDEEP MURLIDHAR JOSHI	PG and PhD	Mechanical	2015/2018
04	AVINASH G SHALIGRAM	PG	Mechanical	2018
05	Dr. ONKAR SAHASRABUDHE	PG	Mechanical	2015
06	MIRIYALA DURGA N.K.P.RAO	PG	Mechanical	2017
07	GAJANAN N THOKAL	PG	Mechanical	2012
08	Dr. RASHED ALI	PG	Mechanical	2018

09	Dr. RICHA S AGRAWAL	PG	Mechanical	2015
10	PRUTHVIRAJ P RAHANE	PG	Mechanical	2013
11	MEETA S VEDPATHAK	PG	Mechanical	2015
12	SHILPA M MONDKAR	PG	Mechanical	2017
13	VAISHALI S KUMBHAR	PG	Mechanical	2015

27. Details of workshops/ seminars conducted on Intellectual Property Rights (IPR) and Industry- Academia Innovative practices:

S N	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-Academia Innovative practices)
		NA		

28. Details of incentives to teachers who receive state, national and international recognition/ awards:

Sr. No.	Name of the Awardee with contact details	Name of the Award	Name of the Awarding Agency
01	Dr. Onkar Sahasrabudhe	PhD Incentives, 2018-19	PCE, New Panvel
02	Dr. Richa Agrawal	PhD Incentives, 2018-19	PCE, New Panvel
03	Dr. Richa Agrawal	Best paper award	9th International Conference on Mechanical and Aerospace Engineering at Budapest, Hungary, July 10-13, 2018
04	Mr. Shridhar Deshmukh	Smart India Hackathon 2018-19	Ministry Of Human Resource Development
05	Mr. Shridhar Deshmukh	AICTE-ECI-ISTE Chhatra Vishwakarma Awards 2018-19	All India Council For Technical Education

29. Details of research papers published by teachers in the Journals notified on UGC website:

SN	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal
01	Benchmarking of Hybrid TIG MAG Arc Welding for Mild Steel	Sahasrabudhe, O.S. & Raut, D.N	Mechanical Engineering	Transactions of Indian Institute of Metals: International Journal of Minerals, Metals and Materials Engineering. Springer India, Jan 2019	2018-19	0975-1645	<a href="#">Link</a>
02	Experimental Analysis of Condensation in Helical Coil Tube	Rashed Ali, Dr N P Gulhane	Mechanical Engineering	Pertanika Journal of Science & Technology	2018-19	ISSN: 0128-7680	<a href="#">Link</a>

30. Details of books and chapters in edited volumes/books published and papers in national/ international conference:

Sl. No.	Name of Teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / international	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher	Relevant link
1	Sandeep Joshi	NA	Investigation On Extraction Of Waste Thermal Energy From Solar Pv Panels	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>
2	Sandeep Joshi	NA	Air Flow Pattern Simulation Of Low Temperature Drying Cabinet	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>
3	Rashed Ali	NA	Experimental Study Of Condensation Of Steam In Helically Coiled Tubes	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>

4	Sandeep M. Joshi	NA	Investigations On Receiver Of Parabolic Trough Collector	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>
5	Sandeep M. Joshi	NA	Investigation On Possibilities Of Cooling Effect From Oxygen Lines In A Municipal Hospital	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>
6	Rashed Ali	NA	Experimental Investigation Of V-Type Solar Still Coupled With Solar Water Heater	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>
7	Rashed Ali	NA	Cfd Analysis Of Condensation Heat Transfer In Helical Coil Heat Exchanger	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>
8	Binsu Babu	NA	PBL : A Tool For Enhancing Outcome Based Education	6th International Conference on Transformations in Engineering Education		International	2018-19	-	PCE, New Panvel		<a href="#">Link</a>
9	Tikaram G Verma	NA	Disaster Management For Future City	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>
10	Rashed Ali	NA	Condensation Heat Transfer In Helical Coil	BV - SSRN ELSEVEIR	CTFC 2019, PCE PANVEL	International	2018-19		PCE, New Panvel	SSRN-ELSEVEIR	<a href="#">Link</a>
11	Avinash Shaligram	NA	PBL : A Tool For Enhancing Outcome Based Education	6th International Conference on Transformation In Engineering Education,	ICTIEE-2019 , Mala Reddy Engg. College on 7th and 8th Jan.2019	International	2018-19		PCE	IUCEE	<a href="#">Link</a>

12	Richa Agrawal	NA	Low Cycle Fatigue Life Prediction Of Circumferentially Notch Round Bars	Proceedings of ICMAE 2018	9th International Conference on Mechanical & Aerospace Engineering at Budapest	International	2018-19		PCE	IEEE	<a href="#">Link</a>
13	Dr D P Tambuskar	NA	Improving Reliability Through Condition Monitoring Of Lubricating Oil In Hydrocarbon Compressor – A Case Study	An International Conference on Tribology, 13–15 December 2018 • VJTI, Mumbai, India		International	2018-19		PCE, New Panvel		<a href="#">Link</a>
14	Dr Dhanraj Tambuskar	NA	PBL : A Tool For Enhancing Outcome Based Education	6th International Conference on Transformation In Engineering Education,	ICTIEE-2019 , Mala Reddy Engg. College on 7th and 8th Jan.2019	International	2018-19		PCE, New Panvel	IUCEE	<a href="#">Link</a>
15	M D Rao	NA	PBL : A Tool For Enhancing Outcome Based Education	6th International Conference on Transformation In Engineering Education,	ICTIEE-2019 , Mala Reddy Engg. College on 7th and 8th Jan.2019	International	2018-19		PCE, New Panvel	IUCEE	<a href="#">Link</a>
16	Onkar S Sahasrabudhe	Development of Hybrid TIG MAG Arc Welding	Na	NA	NA	International	2018-19	-	PCE, New Panvel	Lambert Academic Publishing, Omniscriptum, Germany.	<a href="#">Link</a>



31. Details of the extension activities undertaken by the department in sensitizing students to social issues and holistic development:

Details of extension programs conducted

<b>Sr. No</b>	<b>Program Details</b>	<b>Collaborating Agency</b>	<b>Number of Participated Students</b>	<b>Remarks</b>
1	Marathon	Mahatma Education Society	431	
2	Women's Day celebration	Student Council	40	
3	K12 at Nagarpalika School, Takka	ISHARE	10	
4	Anubhav	PCE, New Panvel	900	
5	Handling emergencies and First aid Techniques	PCE, New Panvel	90	
6	K12 at Z P School , Vichumbe	ISHARE	15	
7	K12 at Bhatia Vidyamandir	ISHARE	12	
8	K12 Nagarpalika school , Podi	ISHARE	10	
9	Blood Donation Camp	Social Club		
10	Uberang	Mahatma Education Society	32	
11	Community Service Day	Mahatma Education Society	156	
12	International Women's Day	Mahatma Education Society	120	
13	Building Resilience - A key to Women Empowerment	Mahatma Education Society	143	
14	Jumble Sale	Mahatma Education Society	600	
15	Anti Narcotics	Mahatma Education Society	150	

	Campaign			
16	National Calamity Fund (Kerala )	Mahatma Education Society	175	
17	Maharashtra day	Mahatma Education Society	25	
18	Marathi Bhasha Diwas	Mahatma Education Society	51	
19	Shivaji Jayanti	Mahatma Education Society	550	
20	Republic Day	Mahatma Education Society	120	
21	Teacher's Day	Mahatma Education Society	550	
22	Panvel Gadhi river clean up drive	Mahatma Education Society	10	
23	Basic workshop on positive thinking	Mahatma Education Society	15	
24	Slum childrens' educational tour	Mahatma Education Society	10	
25	Blood Donation camp	Mahatma Education Society	140	
26	Yoga Workshop	Mahatma Education Society	30	

32. Total number of awards and recognition received for extension activities from Government/ recognized bodies:

SN	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies	Year of award	Name of the Faculty
01	Mentorship	Mentor for one on one Mentor Hours sessions	91 Springboards Business Hub Private Limited	2018-19	Dr. Priam Pillai

02	Chairman of Mumbai Chapter	Executive Council Membership	ISRS	2018-19	Dr. Priam Pillai
03	Board of Studies, Mechanical engineering	Member	University of Mumbai	2018-19	Dr. Sandeep Joshi
04	Research Advisory Committee	Member	Late G N Sakpal College of Engineering, Nashik	2018-19	Dr. Sandeep Joshi
05	ASHRAE Student Chapter Installation programme	Keynote Speaker	SVERI, Pandharpur	2018-19	Prof. Avinash Shaligram
06	Best paper presented award	Best paper award at the 9th International Conference on Mechanical and Aerospace Engineering at Budapest, Hungary, July 10-13, 2018	Mechanical and Aerospace Engineering at Budapest, Hungary, July 10-13, 2018	2018-19	Dr. Richa Agrawal
07	Board of Studies, Mechanical engineering	Member	University of Mumbai	2018-19	Dr. D P Tambuskar
08	Chatra vishwakarma award 2018	Chatra vishwakarma award 2018	AICTE	2018-19	Shridhar Deshmukh
09	Conference on Technologies for Future Cities (CTFC-2018)" 8th & 9th January, 2018	Session Chair	PCE Panvel	2018-19	Dr. D P Tambuskar
10	Global Meet on Advances in Design,	Session Chair	Saraswati College of Engineering, Navi Mumbai.	2018-19	Dr. D P Tambuskar

	Materials & Thermal Engineering” 11th & 12th January, 2018				
11	Indian Journal of Engineering & Materials Sciences	Reviewer	Published by the NISCAIR in association with the Indian National Science Academy . Coverage in abstracting/indexing services: Chem Abstr, Metal Abstr, Curr Cont, Engg Ind, Ind Sci Abstr, Lead Abstr. Cambridge Sci Abstr, Math Rev,	2018-19	Dr. Onkar Sahasrabudhe
12	International Journal of Industrial Engineering and Operations Management	Reviewer	IEOM Society	2018-19	Dr. D P Tambuskar
13	Journal of the Operational Research Society of India (ORSI)	Reviewer	Springer	2018-19	Dr. D P Tambuskar
14	Member Board of Examinations IIIE	Member	IIIE	2018-19	Dr. D P Tambuskar
15	National conference on Sustainable Manufacturing and Waste Management on 16th April, 2019	Session Chair	Saraswati College of Engineering, Navi Mumbai.	2018-19	Dr. D P Tambuskar
16	NPTEL online course on Experimental Stress Analysis - An Overview	NPTEL online certification, Elite grade	IIT, Madras	2018-19	Dr. Richa Agrawal

17	Technical paper presentation at CTFC, PCE, New Panvel	BEST PAPER AWARD CTFC 8-9, JAN 2019	PCE Panvel	2018-19	Dr. Rashed Ali
18	Advisory committee, [NCSMWM-2019]	Member	Saraswati College of Engineering, Navi Mumbai.	2018-19	Dr. D P Tambuskar
19	Technical Advisory Committee, EQUINOX 2018	Member	Terna Engineering College	2018-19	Dr. D P Tambuskar

33. Details of extension and out reached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
1	Marathon	Mahatma Education Society	2018-19	12	431
2	Women's Day celebration	ETSA Student Council	2018-19	30	40
3	K12 at Nagarpalika School, Takka	ISHARE	2018-19	2	10
4	Anubhav	PCE, New Panvel	2018-19	25	900
5	Handling emergencies and First aid Techniques	PCE, New Panvel	2018-19	5	90
6	K12 at Z P School, Vichumbe	ISHARE	2018-19	2	15
7	K12 at Bhatia Vidyamandir	ISHARE	2018-19	2	12
8	K12 Nagarpalika school, Podi	ISHARE	2018-19	2	10
9	Blood Donation Camp	Social Club	2018-19	5	
10	Uberang	Mahatma Education Society	2018-19	129	32
11	Community Service	Mahatma	2018-19	39	156

	Day	Education Society			
12	International Women's Day	Mahatma Education Society	2018-19	50	120
13	Building Resilience - A key to Women Empowerment	Mahatma Education Society	2018-19	12	143
14	Hackathon ( Odd sem)	Mahatma Education Society	2018-19		36
15	Hackathon	Mahatma Education Society	2018-19		18
16	Deep Blue	Mahatma Education Society	2018-19		36
17	Jumble Sale	Mahatma Education Society	2018-19	10	600
18	Anti Narcotics Campaign	Mahatma Education Society	2018-19		150
19	Garage Sale	Mahatma Education Society	2018-19	10	250
20	National Calamity Fund (Kerala )	Mahatma Education Society	2018-19	159	175
21	Maharashtra day	Mahatma Education Society	2018-19	12	25
22	Marathi Bhasha Diwas	Mahatma Education Society	2018-19	12	51
23	Shivaji Jayanti	Mahatma Education Society	2018-19	50	550
24	Republic Day	Mahatma Education Society	2018-19	10	120
25	Teacher's Day	Mahatma Education Society	2018-19	159	550
26	Panvel Gadhi river clean up drive	Mahatma Education Society	2018-19	2	10
27	Basic workshop on positive thinking	Mahatma Education Society	2018-19	10	15
28	Yoga Workshop	Mahatma Education Society	2018-19	10	20
29	Slum childrens' educational tour	Mahatma Education Society	2018-19	2	10
30	Blood Donation camp	Mahatma Education Society	2018-19	5	140

31	Yoga Workshop	Mahatma Education Society	2018-19	4	30
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34. Total number of Students participating in extension activities with Government Organization, Non-Government Organizations and Programmes such as Swachh Bharat, AIDs awareness, Gender issue etc.

SN	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
1	Environmental Awareness Rally	PCE, New panvel	FE Natures Club	2018-19	600
2	Marathon to Kill ill of illiteracy	MES Pillai	Marathon 2019	2018-19	431
3	National Technology Day	PCE, New panvel	11th may 2018	2018-19	142
4	Women's Day celebration	ETSA Student Council		2018-19	40
5	K12 at Nagarpalika School, Takka	ISHARE		2018-19	10
6	Anubhav	PCE, New Panvel		2018-19	900
7	Handling emergencies and First aid Techniques	PCE, New Panvel		2018-19	90
8	K12 at Z P School , Vichumbe	ISHARE		2018-19	15
9	K12 at Bhatia Vidyamandir	ISHARE		2018-19	12
10	K12 Nagarpalika school , Podi	ISHARE		2018-19	10
11	Blood Donation Camp	Social Club		2018-19	
12	Uberang	Mahatma Education Society		2018-19	32
13	Community Service Day	Mahatma Education Society		2018-19	156
14	International Women's Day	Mahatma Education Society		2018-19	120
15	Building Resilience - A key to Women Empowerment	Mahatma Education Society		2018-19	143

16	Hackathon ( Odd sem)	Mahatma Education Society		2018-19	36
17	Hackathon	Mahatma Education Society		2018-19	18
18	Deep Blue	Mahatma Education Society		2018-19	36
19	Jumble Sale	Mahatma Education Society		2018-19	600
20	Anti Narcotics Campaign	Mahatma Education Society		2018-19	150
21	Garage Sale	Mahatma Education Society		2018-19	250
22	National Calamity Fund (Kerala )	Mahatma Education Society		2018-19	175
23	Maharashtra day	Mahatma Education Society		2018-19	25
24	Marathi Bhasha Diwas	Mahatma Education Society		2018-19	51
25	Shivaji Jayanti	Mahatma Education Society		2018-19	550
26	Republic Day	Mahatma Education Society		2018-19	120
27	Teacher's Day	Mahatma Education Society		2018-19	550
28	Panvel Gadhi river clean up drive	Mahatma Education Society		2018-19	10
29	Basic workshop on positive thinking	Mahatma Education Society		2018-19	15
30	Slum childrens' educational tour	Mahatma Education Society		2018-19	10
31	Blood Donation camp	Mahatma Education Society		2018-19	140

35. Details of linkages for faculty exchange, student exchange, internship, field trip, on-the- job training, research etc:

Sl. No.	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Year of commencement	Duration (From-To)	Nature of linkage
1	IV Report Royal Aircon, Blue Star,	Royal Aircon Pvt Ltd, VADA,	-	1 Day 05/01/19	Industrial visit



	Airpro				
2	IV Report Royal Aircon, Blue Star, Airpro	Blue Star Ltd, wada	-	1 Day 05/01/19	Industrial visit
3	IV Report Royal Aircon, Blue Star, Airpro	AirPro Engineers pvt Ltd	-	1 Day 05/01/19	Industrial visit
4	Internship to MRF Limited	MRF Limited, Vashi		Two week Jan 2019	Internship
5	Internship to Sai motor and service center	Sai motor and service center, varle, taluka wada, dist palghar	-	19th Dec 2018- 11th Jan 2019	Internship
6	Internship to Hundai	Hundai , Sakinaka	-	20th Dec 2018- 13th Jan 2019	Internship
7	Internship to MRF limited	MRF limited, Vashi	-	24th dec 2018 to 7th Jan 2019	Internship
8	Internship to Vishal Hyundai,	Vishal Hyundai, Panvel	-	13 June 2018 - 13 July 2018	Internship
9	Internship to Vishal Hyundai,	Vishal Hyundai, Panvel	-	13 June 2018 - 13 July 2018	Internship
10	Internship to Vishal Hyundai,	Vishal Hyundai, Panvel	-	13 June 2018 - 13 July 2018	Internship
11	Internship to Auto Hangar Pvt.Ltd	Auto Hangar Pvt.Ltd, Mumbai	-	13 June 2018 - 13 July 2018	Internship
12	Internship to Tata Motors Ltd.	Tata Motors Ltd. Delhi	-	19 June 2018 - 18 July 2018	Internship
13	Internship to Kanchan Auto W/S	Kanchan Auto W/S, Thane	-	1 July 2018 - 15 July 2018	Internship
14	Internship to Eak Automobiles Pvt Ltd	Eak Automobiles Pvt Ltd, Panvel	-	13th june 2018 to 13th july 2018	Internship
15	Internship to Shree Sai TVS Service center	Shree Sai TVS Service center, panvel	-	13th june 2018 to 14th july 2018	Internship
16	Internship to TATA MOTORS PVT LTD	TATA MOTORS PVT LTD, Gazipur, Delhi	-	19th june to 18th july 2018	Internship
17	Internship to Western Railways	Western Railways, Lower parale	-	18th june 2018 to 2nd july 2018	Internship
18	Internship to Sharayu 2 wheelers pvt ltd (Honda)	Sharayu 2 wheelers pvt ltd, Panvel	-	14th Dec 2018 to 12th jan 2019	Internship
19	Internship to Ram Motorcycles	Ram Motorcycles, Nerul	-	14th Dec 2018 to 14th jan 2019	Internship

36. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. :

Sl. No.	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of Signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs
01	IFS Academy	Authorised CAD/CAE training centre	2018	03 months August - October, 2018	Conducted courses on CATIA and CREO	72 students and 3 faculties
02	IEOT	ONGC, Govt.of India	2018-19	01 year	1.Internships for students 2. expert lectures 3.Industrial visit to IEOT 4.Library usage of IEOT	2 to 3 students
03	Indian institute of Packaging	IIP,Ministry of Commerce,Govt .of India	2018-19	03 years Extendable upto 5 years	Summer internship to 4-5 students every year	4 to 5 students
04	Brainiac IP Solutions	Brainiac IP Solutions Pvt. Ltd.	2018-19	06 months	Drafting and Patent Filing,IPR	3 to 4 faculty, 4 to 5 students
05	Biocrux	BIOCRUX INDIA PVT. LTD.	2018-19	03 years Extendable upto 5 years	Recognition for Institute for conducting R&D ,Packaging and waste management like Automation,functionality ,IOT etc	16 to 20 students (workshop)
06	Indian Centre for plastics in the Environment	ICPE	2018-19	03 Years	ConductingR &D in the field of Plastic packaging and Information Exchange	Internship to 2-3 students of Third year

37. Details of departmental infrastructural & other facilities:

- a)Departmental Library (books, journals etc.) : 146  
c) Computers and Internet facilities for staff : Yes, 60 PC  
d) Total number of class rooms : 06  
e) Class rooms with ICT facility : 06  
f) Students' laboratory : 11  
g) Research laboratories : 01  
h) Seminar Hall : 01  
i) Smart class room : 01  
j) Any other facility LCDs, : 01

38. Student – Computer ratio:

<b>Total Number of students</b>	<b>Number of computers for students in working condition</b>	<b>Student Computer Ratio</b>
543	60	9.05

39. Details of e-content developed by the faculty in the department:

<b>Name of the e-content development facilities</b>	<b>Provide link to videos of the media centre and recording facility</b>
Light board for visually dynamic video lectures	<a href="https://youtu.be/glA4p9I2wCY">https://youtu.be/glA4p9I2wCY</a>
	<a href="https://youtu.be/NH81md89QtA">https://youtu.be/NH81md89QtA</a>
	<a href="https://youtu.be/UvCQHxpcLD8">https://youtu.be/UvCQHxpcLD8</a>
	<a href="https://youtu.be/k6_qvSJVmKU">https://youtu.be/k6_qvSJVmKU</a>
	<a href="https://youtu.be/aRPGeYZPC3E">https://youtu.be/aRPGeYZPC3E</a>
	<a href="https://youtu.be/mn9NN5VSuVM">https://youtu.be/mn9NN5VSuVM</a>
	<a href="https://youtu.be/28wKEPt4O2g">https://youtu.be/28wKEPt4O2g</a>
	<a href="https://youtu.be/Ws_BUIJj7Kc">https://youtu.be/Ws_BUIJj7Kc</a>
	<a href="https://youtu.be/oWF9nNZfjc0">https://youtu.be/oWF9nNZfjc0</a>
	<a href="https://youtu.be/ukNV7_cpGPI">https://youtu.be/ukNV7_cpGPI</a>
	<a href="https://youtu.be/_BDDB8uptbs">https://youtu.be/_BDDB8uptbs</a>
	<a href="https://youtu.be/mC1CoSvqX4">https://youtu.be/mC1CoSvqX4</a>
	<a href="https://youtu.be/ICBxW7kzyuY">https://youtu.be/ICBxW7kzyuY</a>
	<a href="https://youtu.be/v72MZNaxcbs">https://youtu.be/v72MZNaxcbs</a>
	<a href="https://youtu.be/gK2Bv9Ef4QU">https://youtu.be/gK2Bv9Ef4QU</a>
	<a href="https://youtu.be/06ftqGkFsGw">https://youtu.be/06ftqGkFsGw</a>

	<a href="https://youtu.be/d2FrFkw1BuM">https://youtu.be/d2FrFkw1BuM</a>
	<a href="https://youtu.be/vmDDZOrxMC0">https://youtu.be/vmDDZOrxMC0</a>
	<a href="https://youtu.be/-Ci83dZ_eUw">https://youtu.be/-Ci83dZ_eUw</a>
	<a href="https://youtu.be/VG2KRTDXovg">https://youtu.be/VG2KRTDXovg</a>
	<a href="https://youtu.be/h_JWitADrsQ">https://youtu.be/h_JWitADrsQ</a>
	<a href="https://youtu.be/0iDEyWVLQF4">https://youtu.be/0iDEyWVLQF4</a>
	<a href="https://youtu.be/lr0Cc16YMa4">https://youtu.be/lr0Cc16YMa4</a>
	<a href="https://youtu.be/Qg4ECv69Z6s">https://youtu.be/Qg4ECv69Z6s</a>
	<a href="https://youtu.be/t5AXQ20ib9k">https://youtu.be/t5AXQ20ib9k</a>
	<a href="https://youtu.be/BYOMdQEqdQE">https://youtu.be/BYOMdQEqdQE</a>
	<a href="https://youtu.be/EeqYak1yqDk">https://youtu.be/EeqYak1yqDk</a>
	<a href="https://youtu.be/JDAIdOxoSVY">https://youtu.be/JDAIdOxoSVY</a>
	<a href="https://youtu.be/3uX35AAOUxo">https://youtu.be/3uX35AAOUxo</a>
	<a href="https://youtu.be/7Yfag-dWdCY">https://youtu.be/7Yfag-dWdCY</a>
	<a href="https://youtu.be/FAJf23jo24g">https://youtu.be/FAJf23jo24g</a>
	<a href="https://youtu.be/YXhQsw-Fj8">https://youtu.be/YXhQsw-Fj8</a>
	<a href="https://youtu.be/-SvZYdtfrsU">https://youtu.be/-SvZYdtfrsU</a>
	<a href="https://youtu.be/pqCuEbVZO_M">https://youtu.be/pqCuEbVZO_M</a>
	<a href="https://youtu.be/3eT1kSvUiZg">https://youtu.be/3eT1kSvUiZg</a>
	<a href="https://youtu.be/GyLeaOsxFeI">https://youtu.be/GyLeaOsxFeI</a>
	<a href="https://youtu.be/5K3Fhjt7TM0">https://youtu.be/5K3Fhjt7TM0</a>

	<a href="https://youtu.be/bqyIrvh5WrI">https://youtu.be/bqyIrvh5WrI</a>
	<a href="https://youtu.be/MUQ_KAzkKXQ">https://youtu.be/MUQ_KAzkKXQ</a>
	<a href="https://youtu.be/EgBokaIjuTs">https://youtu.be/EgBokaIjuTs</a>
	<a href="https://youtu.be/5F9mJoS-yyg">https://youtu.be/5F9mJoS-yyg</a>
	<a href="https://youtu.be/tcEc-tZsFWg">https://youtu.be/tcEc-tZsFWg</a>
	<a href="https://youtu.be/jHlICtGgK34">https://youtu.be/jHlICtGgK34</a>
	<a href="https://youtu.be/lewoCOh_-zk">https://youtu.be/lewoCOh_-zk</a>
	<a href="https://youtu.be/t9H604GWwjU">https://youtu.be/t9H604GWwjU</a>
	<a href="https://youtu.be/NmBh8r5jNkA">https://youtu.be/NmBh8r5jNkA</a>
	<a href="https://youtu.be/Vdp70dHFoAc">https://youtu.be/Vdp70dHFoAc</a>
	<a href="https://youtu.be/uf3wt4e3C4U">https://youtu.be/uf3wt4e3C4U</a>
	<a href="https://youtu.be/9bynayAbSwo">https://youtu.be/9bynayAbSwo</a>
	<a href="https://youtu.be/pf4aKYPFhlc">https://youtu.be/pf4aKYPFhlc</a>
	<a href="https://youtu.be/xF02_JSoGp8">https://youtu.be/xF02_JSoGp8</a>
	<a href="https://youtu.be/5tutPUfbW6A">https://youtu.be/5tutPUfbW6A</a>
	<a href="https://youtu.be/Fa1SOF90Rng">https://youtu.be/Fa1SOF90Rng</a>
	<a href="https://youtu.be/D9gjBaOnpTM">https://youtu.be/D9gjBaOnpTM</a>
	<a href="https://youtu.be/lv4AmkTRPj0">https://youtu.be/lv4AmkTRPj0</a>
	<a href="https://youtu.be/M2W14gbqC5E">https://youtu.be/M2W14gbqC5E</a>
	<a href="https://youtu.be/R8eIyzFixHE">https://youtu.be/R8eIyzFixHE</a>

40. Details of maintenance of laboratory and classrooms:

Maintenance of all laboratories are done by the laboratory assistants in consultation with the laboratory incharge. Maintenance activities are recorded in logbook and kept in every laboratory.

41. Number of students benefited by scholarships and freeships provided by the Government:

<b>Name of the scheme</b>	<b>Number of students benefited by government scheme ( Scholarships)</b>	<b>Number of students benefited by government scheme(freeships)</b>	<b>State Minority Scholarship</b>	<b>Merit Cum-Means Scholarship</b>
<b>VJNT</b>	<b>11</b>			
<b>OBC</b>	<b>41</b>			
<b>SBC</b>	<b>02</b>			
<b>SC</b>	<b>10</b>			
<b>EBC</b>	<b>72</b>			

42. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes:

<b>Name of the scheme with contact information</b>	<b>Number of students benefited by non-government schemes</b>
FELICITATION OF TOPPERS	10
M.E SCHOLARSHIP	22
FINANCIAL HARDSHIP	1
ACADEMIC ADVANCE SCHEME	116
<b>TOTAL STUDENTS BENEFITTED</b>	<b>149</b>

43. Number of students enrolled capability enhancement and development scheme:

<b>Name of the capability enhancement scheme</b>	<b>Year of implementation</b>	<b>Number of students enrolled</b>	<b>Name of the agencies involved with contact details</b>
--------------------------------------------------	-------------------------------	------------------------------------	-----------------------------------------------------------

Guidance for competitive examinations	2018-19		
Career Counselling	2018-19	143	SMEC Labs (Expert Talk/Mech/Auto) SMEC Automation Pvt. Ltd. SMEC Automation Pvt. Ltd., #27, Sarvodaya Industrial Estate, Off Mahakali Caves Road, Andheri East, Mumbai Maharashtra 400 093 Tel : (+91)-22-65292358
Soft skill development	2018-19		
Remedial coaching	2018-19	35	Prof. Dhanraj P Tambuskar - dhanrajt@mes.ac.in
Language lab	2018-19	NA	
Bridge courses	2018-19	48	CFD - Shilpa mondkar & tikaram varma - <a href="mailto:vtganpat@mes.ac.in">vtganpat@mes.ac.in</a>
Yoga and Meditation	2018-19	NA	
Personal Counselling	2018-19	Total Count	

44. Number of students in the department benefitted by guidance for competitive examinations and career counseling offered by the institution:

Year	Name of the scheme	Number of students benefitted /attended/participated by career counseling/Competitive exam activities
2018-19	GATE Mentoring	

2018-19	Campus Aptitude Test	180
2018-19	Career Readiness Program	180

45. Number of students attending Vocational Education and Training(VET)

Number of students attending VET	Total number of students
57 CATIA-V5	111
15 CREO	
19 CATIA-V5	
20 - Solidworks	

46. Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee:

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
None		

47. Number of outgoing students placed along with name of the employer with contact details:

Number of students placed	Name of the employer with contact details	Package received	Program graduated from
02	Aditya Birla Science and Technology Company Pvt.Ltd	1.2L	Undergraduate in Mechanical Engineering
01	HFFC, Shop No 114,Prajapati Arcade, Sector 15A,, PlotNo 22and 23,, New Panvel, Navi Mumbai, Maharashtra 410206	3.55L	
1	Nimbus Logistics, Andheri - Kurla Road, Andheri East, Mumbai, Maharashtra 400059	3.6L	
3	Reliance Retail Ltd Ghansoli,44775000	3.5L	
2	Sanmar ngg@sanmargroup.com ..Mumbai1108, 11th Floor, Univeal Majestic, P.L.Lokhande Marg,	4.07L	
1	SMEC, Andheri East, Mumbai, Maharashtra 400093	4.8L	



1	TCS, Thane West, 67782000, caree@tcs.com	4.5L	
3	TATA-AIG, Lower Parel, 66699697	4L	

48. Details of the students going for higher education:

<b>Number of students enrolling into higher education</b>	<b>Program graduated from</b>	<b>Department graduated from</b>	<b>Name of institution joined</b>	<b>Name of program admitted to</b>
1	Bachelors Of Engineering	Mech	Western Sydney University	Master Of Science (Mechanical)
1	Bachelors Of Engineering	Mech	Pillai College Of Engineering	Master Of Engineering
1	Bachelors Of Engineering	Mech	Pillai College Of Engineering	Master Of Engineering
1	Bachelors Of Engineering	Mech	Lovely Professonal University	Master Of Engineering
1	Bachelors Of Engineering	Mech	Institute of Technology and Management	Supply Chain And operations Management (PGDM)
1	Bachelors Of Engineering	Mech	Fr.C. Rodrigues Institute Of Technology	Machine in Design Engg
1	Bachelors Of Engineering	Mech	Indian Institute Of Technology	Master Of Technology
1	Bachelors Of Engineering	Mech	University Of South Florida	Industrial Engineering.

49. Number of students appearing and qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations):

Number of students selected/ qualifying									State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/IELTS	Civil Services	
ME19S12076150			Prathamesh Samant						
ME19S22113190			Neeraj Chitre						
ME19S22077504			Aanand Rane						
ME19S22077164			Vinay Veerapur						
ME19S12076150			Abhishek Rao						
ME19S22076326			Rajesh Pillai						
ME19S22076063			Mukil Nair						
4857454						Nehal Dhingarkar			
35257040							Ronish Johnson		
317941							Shashank Mendan		

50. Number of awards/medals for outstanding performance in sports/cultural activities at national / international level:

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Adhaar Number/Admission Number
Box Cricket	intercollege	sports	Adarsh Shetty	1	2016PE0299
Winner of University Inter collegiate level in Chess	University level	Sports	Abhishek Dalvi	1	2018PE0355

Competition					
Secured 5th position in University Inter collegiate level in Chess Competition	Mumbai University	Sports	Abhishek Dalvi	1	2018PE0355

51. Details of the student council and the departmental student chapters:

- President : Mr. Kedar Redekar
- Vice-President : Mr. Amit Pradhan
- Secretary : Mr. Tejas Nair
- Jt. Secretary : Mr. Sujit Gate
- Treasurer : Mr. Abhishek Dalvi
- Jt. Treasurer : Mr. Prajwal Poojary
- Event Manager : Mr. Shubham Khodpe
- BE Mech A Rep : Mr. Saumya Sanjay Khedkar
- BE Mech B Rep : Mr. Aditya Nambiar
- BE Auto Rep : Ms. Tejaswini Babu
- TE Mech A Rep : Mr. Sujit Shrikant Gate
- TE Mech B Rep : Ms. Shruti Datta Sherkhane
- TE Auto Rep : Ms. Sakshi Ashwini Rai
- SE Mech A Rep : Mr. Shubham Khodpe
- SE Mech B Rep : Mr. Atharva Thombre
- SE Auto Rep : Mr. Umarvysya Anujkumar Jayprakash

52. Number of sports and cultural activities/competitions organized at the institution level:

Year	Name of the Activity			
	SPORTS		CULTURAL	
2018-19	Sr. No	Alegria 2019	Sr. No	Alegria 2019
	1	FIFA 19 (PS4)	1	Free Style Solo
	2	NFS Most Wanted	2	Classical Solo
	3	CS GO	3	Solo Singing
	4	DOTA 2	4	Rapping
	5	PUBG	5	Beat Boxing

6	Mini Militia	6	Stand Up Comedy
7	Ludo King	7	Mono Acting
8	Oculus VR Fruit Ninja	8	Open Mic
9	Oculus VR Fruit Ninja spot	9	Instrumental Music
10	Marathon (Pre-Alegria)	10	War Of DJs
11	Futsal	11	Duet Dance
12	Box Cricket	12	Folk Group
13	Basketball	13	Free Style Group
14	Volleyball	14	Skit
15	Kabaddi	15	The Face Of Alegria
16	Tug of War	16	Mr & Ms Alegria
17	10m Air Rifle Shooting	17	Fitness Physique
18	Badminton (Girls)	18	Fashion Show
19	Badminton (Boys)	19	Treasure Hunt
20	Shotput	20	Photography
21	Chess	21	Fastest Finger First
22	Table Tennis	22	PTV Rowdies
23	Carrom (Single)	23	Food-a-thon
24	Carrom (Double)	<b>Other Events</b>	
25	Football and cricket Quiz	24	Rose day
26	Devils Circuit	25	Farewell
27	Neo Cricket	26	Garba night
28	Neo shootout	27	Saree day
29	Neo Basketball	28	Traditional day

	Other Events		29	Shivaji Jayanti
	30	Engineering Football League 2019	30	Aarambh
	31	Mumbai University Volleyball Championship		

53. Details of the contributions of alumni in the development of the department/ institution through financial and non financial means:

Sr. No	Date	Title	Speaker	Attendees	Duration
1	16/2/2019	Workshop on Google class room	Amey Nijasure and Shridhar Deshmukh	25	1 day
2	7/6/2019	Graphic Design workshop	Kunal Kashyap	40	1 day
3	23-24 Feb 2019 and 10th March 2019	" FLASK: Python web framework"	Dhiraj amin	35	3 Days
4	27th Feb 2019	Seminar on " Software engineering and project management " for TE IT students by Shivkumar	Shivkumar Vishwakarma	28	1 Day
5	8th March 2019	Women's Day Celebration	Apeksha Chavan	30	1 Day
6	15th and 16th March 2019	" Internet of Things "	Mimi Cherian		2 Days
7	22nd February, 2019	" Internet of Things "	Ruchira Patole	41	1 Day

8	2nd March 2019	Web Development	Akhil Menon		1 Day
9	4th Nov 2018	Flask Python Web Framework	Dhiraj Amin	33	1 Day
10	2nd October 2018	Basic Concepts of Python	Dhiraj Amin	100+	1 Day
11	2nd and 9th August 2018	LaTeX workshop	Ms. Ruchira Patole	42+34	2 Day
12	4th September 2018	Arduino	Ms. Aboli Khedkar	82	1 Day
14	29 September 2018	Web Development	Mr. Akhil Menon and Mr. Vishnu Nair.	29	1 Day

54. Details of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies:

<u>Sr.No</u>	<u>Name of teacher</u>	<u>PAN</u>	<u>Name of conference/ workshop attended for which financial support provided</u>	<u>Name of the professional body for which membership fee is provided</u>	<u>Amount of support(REMARK)</u>
<u>1</u>	Binsu Babu		International conference on Transformations in Engineering Educations		4000
<u>2</u>	Richa Agrawal		State Level Workshop on the theme 'AQAR Writing & Submission in the light of new NAAC guideline		500

55. Number of professional development/administrative training programs organized by the department for teaching and non teaching staff:

Sl. No	Title of the professional development program organised for teaching	Title of the administrative training program	Dates (from-to)	Dates (from-to) Non teaching	No of participants (Teaching	No of participants (Nonteaching
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	staff	organised for non-teaching staff			staff)	staff)
1	Three day practice oriented workshop on "Best Maintenance Practices on Pump"		19 to 21 Dec 2018		16	
2		Handling emergencies and First aid Techniques	23 March 2019			3

56. Details of teachers attending professional development Programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes:

Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
2	Course orientation for Heat Transfer for University of Mumbai	12 July ,2018
2	2 week STTP on " Robotics and Industrial Automation"	12 to 16 Nov 2018
3	course orientation on RAC	16 January 2019
1	course orientation on Automotive material	14 January 2019
1	1 week FTP on " Trends and Practices in Mechanical Engineering Manufacturing Industries" at L&T	27 Aug to 31 August 2018
1	course orientation on Mechanical Vibration	16 January 2019
1	Course orientation for Automotive Systems CBCGS curriculum for University of Mumbai	12 July 2018
1	Conducted Orientation for DLOC in Sem VI-Automotive Materials on behalf of Mumbai University for UG program in Automobile Engg	14th January 2019

57. Total Grants received from non-government bodies, individuals, Philanthropers:

<b>Name of the non government funding agencies/ individuals</b>	<b>Funds/ Grants received in Rs.</b>	<b>Initiative</b>
IFS Academy	171000	Catia Course
IFS Academy	30000	Creo course

58. Details of quality enhancement initiatives in the academic and administrative domains of the department:

- i) Opportunity for higher studies(2 faculty have completed PhD while working in the college and 5 have completed their Masters Program).
- ii) Regular Industrial visits are organised for the benefit of the students.
- iii) Faculty and students are encouraged to do NPTEL courses.
- iv) Introduction of ARAI-PIP to benefit students.
- v) Most of the administration is paperless and most communications are made through emails.

59. Number of gender equity promotion Programmes organized by the department:

<b>SN</b>	<b>Name of the activity</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Year of the activity</b>	<b>Number of students participated in such activities</b>
01	International Women's Day	Mahatma Education Society		2018	120
02	Girls in Tech	Mahatma Education Society		2018-19	10

60. Details of the PBL topics floated by the department:

**SE**

SEM III - Rocket Launch Pad

SEM V - Mechanical Toy



## **TE**

SEM V - Conversion of Heat to Work

SEM VI - Automatic Device for Water Filling

61. Details of the final year project:

Total 38 Projects

In House - 34 Projects

Industry – 4 Projects

62. Initiatives taken by the department to enhance the quality of teaching learning process, research and entrepreneurship:

-Motivated to prepare Research Proposal and involve themselves in Projects, consultancy work.

-Encouraged to do certification courses online, eg. NPTEL and due credit for assignment given in termwork.

-Encouraged students to participate in Placement activities, TPO summit, business ideation competition

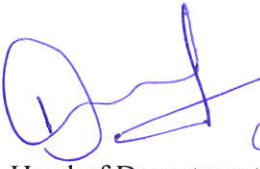
-Project Based Learning with a properly formulated problem statement to improve the learning experience in students.

-Encourages students to take up internships since inception. The number of students who did internships in 2018-19 has been 245.

-Guest lecturers from Industry experts.

Declaration by the Head of the Department/Institution:


I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

  
(Dr. D. P. Tambuskar)

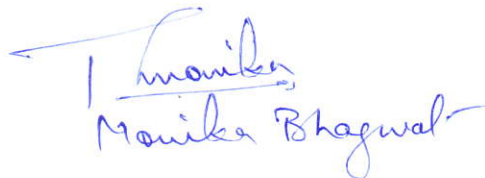
Head of Department

(Mechanical Engineering)

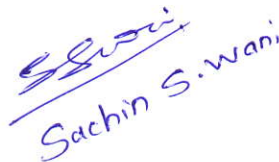
  
S. M. Joshi

  
(P. S. Goyal)

  
Shrawan Govilkar

  
Monika Bhagwat

  
(Pragna)

  
Sachin S. Wani

  
Pragna