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

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT

(2019-2020)

1. Name of the Department: Mechanical Engineering

2. Year of establishment:2009-10

3. Programmes offered: UG

4. Details of certificate/diploma program introduced in 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	Mech Engg	Engineering Design and Additive Manufacturing using SolidWorks and 3D Printing	2019-20	Report
2	ME	Mech Engg	Data Science With R	2019-20	Report
3	ME	Mech Engg	Course on Certified Solidworks Associate (CSWA) Certification	2019-20	Report
4	ME	Mech Engg	Webinar on Solidworks Tips & Tricks	2019-20	Report
5	ME	Mech Engg	Webinar on Geometric Dimensions & Tolerance	2019-20	Report

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

Academic Year	Name of Faculty	Name of the body in which full time teacher participated	RELEVANT LINK
2019-20	Dr. Sandeep M Joshi	Member, Board of Studies, University of Mumbai	Dr S M Joshi (BoS Letter)
2019-20	Dr. Dhanraj P Tambuskar	BoE in Industrial Engg, Indian Institution of Industrial Engg	Dr D P Tambuskar BoE Letter
2019-20	Dr. Dhanraj P Tambuskar	Member, Board of Studies, University of Mumbai	Dr D P Tambuskar BoE Letter
2019-20	Dr. Richa Agarwal	1. Chairman and Member - Question Paper Setting Committee - University of Mumbai 2. Member of Syllabus Revision Committee	
2019-20	Rashed Ali	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Miriyala Durga N.K.P. Rao	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Pruthviraj Rahane	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Onkar S Sahasrabudhe	Member, Question Paper Setting Committee, University of Mumbai	

2019-20	A G Shaligram	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Gajanan N Thokal	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Binsu Babu	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Mrs.Vaishali S Kumbhar	1. Chairman and Member - Question Paper Setting Committee - University of Mumbai 2. Member of Syllabus Revision Committee for Auto Engg branch	
2019-20	Vinod D	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Lalit Mehta	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Shilpa Mondkar	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Prof Bhagwan More	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Meeta S. Vedpathak	Member, Question Paper Setting Committee, University of Mumbai	
2019-20	Tikaram Varma	Member, Question Paper Setting Committee, University of Mumbai	

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

Name of the new course introduced in last A.Y.	Program name	Program code	Course code	Year of introduction	Link the relevant document
Mechanical Vibrations	Undergraduate Mechanical Engineering	320761210	MEDLO7031	2019-20	Syllabus
Automobile Engineering		320761210	MEDLO7032	2019-20	
Pumps, Compressors and Fans		320761210	MEDLO7033	2019-20	
Computational Fluid Dynamics		320761210	MEDLO7034	2019-20	
Product Lifecycle Management		320761210	ILO7011	2019-20	
Reliability Engineering		320761210	ILO7012	2019-20	
Management Information System		320761210	ILO7013	2019-20	
Design of Experiments		320761210	ILO7014	2019-20	
Operation Research		320761210	ILO7015	2019-20	
Cyber Security and Laws		320761210	ILO7016	2019-20	
Disaster Management and Mitigation Measures		320761210	ILO7017	2019-20	
Energy Audit and Management		320761210	ILO7018	2019-20	
Development Engineering		320761210	ILO7019	2019-20	
Design of Mechanical Systems		320761210	MEC801	2019-20	

Industrial Engineering and Management		3207612 10	MEC802	2019-20	
Power Engineering		3207612 10	MEC803	2019-20	
Design of Mechanical Systems		3207612 10	MEL801	2019-20	
Power Engineering		3207612 10	MEL802	2019-20	
Power Plant Engineering		3207612 10	MEDLO80 41	2019-20	
Rapid Prototyping		3207612 10	MEDLO80 42	2019-20	
Renewable Energy Systems		3207612 10	MEDLO80 43	2019-20	
Energy Management in Utility Systems		3207612 10	MEDLO80 44	2019-20	
Project Management		3207612 10	ILO8021	2019-20	
Finance Management		3207612 10	ILO8022	2019-20	
Entrepreneurship Development and Management		3207612 10	ILO8023	2019-20	
Human Resource Management		3207612 10	ILO8024	2019-20	
Professional Ethics and CSR		3207612 10	ILO8025	2019-20	
Research Methodology		3207612 10	ILO8026	2019-20	
IPR and Patenting		3207612 10	ILO8027	2019-20	
Digital Business Management		3207612 10	ILO8028	2019-20	

Environmental Management		3207612 10	ILO8029	2019-20	

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

Name of all programs	Whether adopting CBCS course system(yes/no)	Whether adopting elective course system(yes/no)	Program Code	Year of implementation of CBCS/ elective course system	Link the relevant document
Bachelor of Mechanical Engineering	**Yes**	**Yes**	ME	**2016-17**	Link

8. Details of students enrolled in subject related Certificate/ Diploma programs/ Add-on programs:
   Link for relevant Document_Certificate/Value Added Courses

Year	Title of the programme	Type of the programme (Certificate/ Diploma programs/ Add-on programs)	Total Number of students enrolled in certificate or diploma or add-on programs	Link to the relevant document
2019-20	Engineering Design and Additive Manufacturing using SolidWorks and 3D Printing	Certificate	22	Link
2019-20	Data Science With R	Certificate	5	Link
2019-20	Course on Certified Solidworks Associate (CSWA) Certification	Certificate	30	Link
2019-20	Webinar on Solidworks Tips & Tricks	Certificate	20	Link
2019-20	Webinar on Geometric Dimensions & Tolerance	Certificate	20	Link

Details of value added courses imparting transferable and life skills:

SN	Name of the valueadded courses (with 30 or more contact hours) offered during last five years	Course Code	Year of offering	Year of discontinuation	Number of students enrolled in the year	Number of students completing the course in the year
1	R Programming	DSWRP	2019-20		05	Completed
2	Engineering Design and Additive Manufacturing using SolidWorks and 3D Printing	EDAMS3DP	2019-20		22	Completed
3	LABView	NILV2255	2019-20		22	Continued for next year and will be completed after Lockdown
4	Computational Fluid Dynamics	CFD-14	2019-20		59	Continued for next year
5	Certified Solidworks Associate (CSWA)	CMSWA	2019-20		30	Completed

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

Program name	No of students undertaking field projects / internships	Link the relevant document
MECH	ALL	List
SE Mech A	26	
SE Mech B	10	List
TE MECH A	23	Link
TE MECH B	02	Link
BE MECH A	09	Link
BE MECH B	20	Link

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

SN	Stakeholder	Department	Feedback Received	Action Taken	Link for Document
1	Students	Mechanical Engg	273	yes	Stakeholders Feedback
2	Teachers	Mechanical Engg	8	yes	
3	Alumni	Mechanical Engg	21	yes	
4	Employers	Mechanical Engg	3	yes	

11. 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
19-20	02	NIL	Students Admission

12. Total number of students admitted in the department:

Students Admission

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2019-20	Department of Mechanical Engineering	ME	120	107

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

<u>Students Admission</u>

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
	2019-20				08		61		04

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

14. Special programmes conducted by the department for advanced learners and slow learners:
<u>Advance and Slow learners</u>

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 a 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 the 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 the GATE examination. Students having orientation towards research are motivated to present their work at conferences and competitions such as Avishkar, 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.

But this year unfortunately, the lockdown due to corona began, specifically for schools and colleges, from 16 March 2020, and for the entire nation--from 24 March 2020. So the department was not able to conduct remedial classes and the faculty members were not able to use the lightboard studio facility to full extent for the even semester of the year. But this pandemic did not affect the regular conduction of pending classes for the term. All the faculty members developed e-content in the form of notes, self-recorded videos, and some undertook live lectures through Zoom and Meet softwares too, which have been duly recorded for future reference. Faculty members also conducted online quizzes for students. Our Institute also made available the platform for free COURSERA courses, and many students as well as faculty members took good advantage of this, with many successfully completing multiple courses with excellent scores. The total number of free licenses offered to the faculty and students is in the tune of about 5 thousand, and they are given time to enroll and complete the free courses till July 31, 2020

15. Student- Full time teacher ratio:

Upload Faculty List with details like designation, experience, qualification, other states, Awards and recognition, ICT tools used, etc
Proofs required - Approval letters, Qualification certificate, PG/PhD Recognition, Experience Letters - Faculty Data and relevant proof

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
2019-20	493	13	25	02	03	18.74

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

Designation	Sanctioned	Filled
Professor	3	3
Associate Professor	7	7
Assistant Professor	17	17
Total	27	27

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

Year	Total No. Full time teachers	No. of teachers with PhD
19-20	27	7

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

Year	No. of Full time Teachers	No. of teachers received awards/recognition/fellowship at State/National/International level	Relevant link
2019-20	27	1) Member, Board of Studies in Mechanical Engineering, University of Mumbai	Dr D P Tambuskar, UoM_BOS Member
		2) Member, Board of Examinations, IIIE, Mumbai	Dr D P Tambuska, IIIE_BoE Member
		3) Reviewer for 1) Industrial Engineering Journal 2) IET Collaborative Intelligent Manufacturing 3) OPSEARCH, Springer Journal 4) International Journal of IndustrialEngineering and Operations Management	Dr D P Tambuskar Link
2019-20		**Reviewer -** International Conference on Advances in Mechanical Engineering (ICAME 2020)	Dr. Richa Agrawal Link
2019-20		Unnat Bharat Village Survey Activity by Ministry of HRD , Government of India	Prof. Pruthviraj Rahane Certificate

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

Year	No. of Full time Teachers	No. of teachers from other states
19-20	27	2

20. Details of examination related grievances received if any.

NIL

21. Adherence to the academic calendar:

YES

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

After May 2020 Result

23. 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	130	61
MEIV		IV	After May 2020 Result	
MEV		V	139	64
MEVI		VI	After May 2020 Result	
MEVII		VII	121	103
MEVIII		VIII	After May 2020 Result	

24. 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	Development, Synthesis and Characterization of conducting polymer(Polyaniline and Poly EDOT) composites	Dr.Priam pillai	Mechanical	19-20	45000/-	1 Year	University of Mumbai	Government	Link to Doc
2	Development of Piezoelectric film transducer for dental occlusal analysis (bite force)	Prof.Miriyala Durga N K P Rao	Mechanical	19-20	45000/-	1 Year	University of Mumbai	Government	Link to Doc

3	Development of Twin screw extruder for 3D printable composite filament.	Prof. Bhagwan S More	Mechanical	19-20	50000/-	1 Year	University of Mumbai	Government	Link to Doc

25. Details of the teachers recognized as research guides:

S N	Name of teachers recognized as research guides	PhD Recognition	Department	Year of Recognition
1	Dr.Priam V Pillai	PhD Recognition	Mechanical	2016-17
2	Dr. Sandeep M Joshi	PhD Recognition	Mechanical	2017-18
3	Dr. Dhanraj P Tambuskar	PhD Recognition	Mechanical	2018-19
4	Dr. Divya Padmanabhan	PhD Recognition	Mechanical	2017-18

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

S N	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-AcademiaInnovative practices)	Link
1	2019 -20	Orientation program on Production Planning and Control on behalf of UoM for faculty in Mechanical Engg	16th July, 2019	Industry-Academia Innovative practices	Report
2	2019 -20	Application of Reliability Practices to Industry	20th August ,2019	Industry-Academia Innovative practices	Report
3	2019 -20	2 Days Workshop on "Application Programming Interface (API) using Autodesk Fusion 360 Software"	26th - 27th August 2019	Industry-Academia Innovative practices	Report
4	2019 - 2020	Seminar on "Intellectual Property Rights"	17th February, 2020	IPR	Report
5	2019 -20	One Week FDP on R Programming	29th April to 3rd May	Industry-Academia Innovative practices	Report

27. 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
1	Dr Rashid Ali	Ph.D Completion	PCE
2	Dr. Richa Agrawal	Ph.D Completion	PCE
3	Prof A G Shaligram	O/D for 1 day per week (for PhD work at IITB)	PCE
4	Prof.Pruthviraj P Rahane	1 Day (Working Saturday) PhD (FCRIT, Vashi)	PCE

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

Publications/Books/Patents

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
1	Understanding the Requirements of the Indian IT industry using Web Scrapping	P Pillai, D Amin,	Mechanical Engineering	Procedia Computer Science 172, 308-313	2019-20		Link
2	Design and Development of Masticatory Robot	Binsu Babu, Dr. Priam V. Pillai	Mechanical Engineering	IOP Conf. Series: Materials Science and Engineering	2019-20	ISSN 1757-899X (Online)	Link

SN	Title of paper	Author	Department	Journal	Year	ISBN/ISSN		Relevant link
3	Fuzzy c_means clustering approach for virtual cell formation	B E Narkhede , D.P.Tambuskar , R D Raut and S.S.Mahapatra	Mechanical Engineering	International Journal of Business Excellence (Inderscience) **Accepted**	2019 -20			
4	Design and analysis of the Scroll Expander with Next Generation Refrigerant in an ORC	Prof A G Shaligram	Mechanical Engineering	International Journal of Recent Technology and Engineering (IJRTE)	2019 -20	ISSN: 2277-3878,		https://www.ijrte.org/wp-content/uploads/papers/v8i2/B31060782119.pdf

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

Upload relevant documents here_Publications/Books/Patents

SN	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
01	Dr. Priam Pillai	NA	Understanding the Requirements of the Indian IT industry using Web Scrapping"	Elsevier Procedia Computer Science -	9th World Engineering Education Forum, November 2019 Chennai, India	International	2019 -20	ISSN: 1877-0509,	PCE, New Panvel	Elsevier	https://www.sciencedirect.com/science/article/pii/S1877705092031 3739
02	Dr.Priam Pillai, Amar	NA	"Development of	IOP Conf.	2nd Internationa	International	2019 -20				Link

	Jadhav		Bench Top Biaxial Tensile Testing machine",	Series: Materials Science and Engineering.	l Conference on Emerging trends in Manufacturing, Engines and Modelling (ICEMEM-2019) at NMIMS Shirpur on 23rd- 24th December 2019						
03	Binsu Babu, Dr.Priam Pillai		"Design and Development of Masticatory Robot"	IOP Conf. Series: Materials Science and Engineering.	2nd International Conference on Emerging trends in Manufacturing, Engines and Modelling (ICEMEM-2019) at NMIMS Shirpur on 23rd- 24th December 2019	International	2019-20				Link
04	Dr.Priam Pillai		Drone mapping of landfill sites in Western Maharashtra		National Symposium on innovation in Geospatial Technology	National	2019-20		PCE, New Panvel		

05				for Sustainable Development with special emphasis on NER Shillong,November 20-22,2019(**Accepted**)							
05	Dr.Priam Pillai	NA	Indian Atlas of Urban Expansion: Monitoring Indian Urban Expansion using open source remote sensing data		National Symposium on Innovations in Geospatial Technology for Sustainable Development with special emphasis on NER	National			PCE, New Panvel		https://drive.google.com/file/d/17fPGafWdZ5_ETM2arr4V89KX9_2MDC-k/view?usp=sharing
05	Sojan V V	Application of Queuing theory in Productivity Improvement - A case Study	NA			International	2019-2020	ISBN: 978-620-0-58674-2	PCE, New Panvel	LAMBERT	Lihttps://drive.google.com/file/d/1R1hLz5bzLQ1njBYLJgp2ZcVu-jzs6Cy1/view?usp=sharingnk
06	Shridhar Deshmukh,	NA	Drone mapping of landfill sites		National Symposium on	National	2019-20		PCE, New Panvel		

				in Western Maharashtra		innovation in Geospatial Technology for Sustainable Development with special emphasis on NER Shillong,November 20-22,2019 **(Accepted)**							
07	Dr D P Tambuskar	NA	AHP Analysis of Factors for Adoption ofBig Data Analyticsin Manufacturing		5th International Conference on Industrial Engineering (ICIE-2019) & 61st National Convention of IIIE at SVNIT, Surat to be held on 12-14 Dec 2019 **(Accepted)**	International	2019-20		PCE, New Panvel			
08	Avinash Shaligram	NA	Easing the Transition: From a Student to a Working Professional	7th International Conference on Transformations in Engineer	ICTIEE-2020	International	2019-20					https://drive.google.com/file/d/1PsBVNfX_uvsWAa40Xg0V6Ex2

				ing Education, ICTIEE-2020						T2v___GlI/view?usp=sharing
09	Onkar S Sahasrabudhe		Development of friction stir powder embedding tool		Materials Today: Proceedings Volume 26, Part 2, 2020, Pages 2983-2985	International	March 2020	ISSN 2214-7853			https://www.sciencedirect.com/science/article/pii/S2214785320313705
10	Onkar S Sahasrabudhe		Crop Monitoring System Using Image Processing		Proceedings of 4th International Conference on Recent Trends in Science, Engineering and Mathematics	International	May 2020	Article in Press (E Proceedings Available)			
11	Onkar S Sahasrabudhe		Submerged Mechanism for Underwater Monitoring		Proceedings of 3rd International Conference on Inventive Material ScienceApplications	International	18-19 June 2020	Article in Press (Upcoming Conference) Article Shortlisted			
12	D P Tambuskar		AHP Analysis of Factors for Adoption of Big Data Analytics in	ICIE 2019	5th International Conference on Industrial	International	2019				

			Manufacturing		Engineering, SVNIT Surat						
13	Rashed Ali		A review on Heat transfer & Flow Characteristics in Spiral tube	International Conference on Emerging Trends in Engineering and Technology (ICETET-2020)		International	2019-20				
14	Dr. Richa Agrawal	-	Life Estimation of Circumferentially Notch Round Bars using J Integral	Advances in Mechanical Engineering	International Conference on Advances in Mechanical Engineering, ICAME-2020	International	2020	978-981-15-3639-7	PCE	Springer Singapore	Link

30. Details of the extension activities undertaken by the department in sensitizing students to social issues and holistic development:**Link for relevant Documents here_Extension Activities**

Sr No	Name of Activity	Start Date	Organiser	No of Students Participated	No of Faculty Participated	Report Available
1	K-12 at Nagarpalika School, Takka, Panvel	1 Day, 06/03/2020	PCE, ISHRAE	17	------	Yes

2	Science mela	1 Day , 25/1/2020	PCE, ISHRAE	5	_____	Yes
3	Visit by MSAS Students	8 Aug 2019	PCE	50	35	Yes
4	Stand with Western Maharashtra-Flood Relief	12 Aug 2019	PCE	60	50	Yes
5	Blood Donation Camp	20 Aug 2019	PCE	60	50	Yes
6	K12 visit to Z.P. School, Vichumbe	14 Sep 2019	ISHRAE	20	___	Yes
7	K12 visit to Shree Santha Saibaba Vidyalay	14 Sep 2019	ISHRAE	26	_____	Yes
75	Plastic Awareness Drive	5 Oct 2019	NSS - Prof. Bhagwan More	500	20	Yes
9	Walkathon for Corruption-free India – Vigilance Awareness Week	15 Oct 2019	PCE	250	50	Yes
10	Jumble Sale	16 Oct 2019	PCE	150	50	Yes
11	K12	19 Oct	ISHRAE	10	___	Yes

		2019				
	Activity at Zilla Parishad School, Vichumbe					
12	Tree Plantation and River Clean Drive	11th January 2020	Bhagwan More	150	5	Yes
13	Unnat Bharat Abhiyan activity - 5 Village Survey	18th January 2020	PCE	20	02	Yes
14	Uber Rang	25th January 2020	MES	250	50	Yes
15	Community Service Day	25th January 2020	MES	250	100	Yes
16	K12 Visit at Panvel Mahanagarpalika School	6 Mar 2020	ISHRAE	17	___	Yes

31. Total number of awards and recognition received for extension activities from Government/ recognized bodies:
Upload relevant Documents here_Extension Activities

SN	Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies	Year of award	Name of the Faculty	Proof
1	Unnat Bharat Abhiyaan	Unnat Bharat Village Survey Activity	Ministry of HRD, Government of India	2020	Pruthviraj Rahane	Yes

32. Details of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:
Link for relevant Documents here_Extension Activities

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	Plastic Awareness Drive	NSS-PCE	5 Oct 2019	30	500
2	'Jumble Sale' MES Donation Charity Event	NSS-PCE	16 Oct 2019	20	300
3	Mini Marathon 'Run for Clean City'	NSS-PCE	14 Dec 2019	02	50
4	Tree Plantation and River Clean Drive	NSS-PCE	11th January 2020	5	150

33. 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.
Link for relevant Documents here_Extension Activities

S N	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities	Proof
1	Village / Villages Survey Activity	Ministry of Human Resource Development, Govt. of India	Unnat Bharat Abhiyan	18th January 2020	20	Yes
2	Walkathon for Corruption-free India	PCE & ONGC	Vigilance Awareness Week	15 Oct 2019	250	Yes

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

Link for Documents here_Field Projects/Internships

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 at JNPT	Jawaharlal Nehru Port Trust Uran	2019-20	1 Day 26/09/2019	Yes
2	Internship	Sharayu Honda Service Centre	2019-20	12/12/19 to 24/12/19	https://drive.google.com/file/d/1bNSYcVFzBXb8EiOjhBz6RdxO9-DjfJVv/view?usp=drivesdk
3	Internship	Thermotech Engineering and services pvt. ltd.	2019-20	9/12/2019 to 14/12/2019	https://drive.google.com/file/d/0B-ld5M_c6cNaTTJPZGZLSF83R2xYa1l2V0hiVWlWT0dWaXlZ/view?usp=drivesdk

4	Internship	Joseph Leslie Dynamiks Mfg. Pvt. Ltd	2019-20	1/12/19 to 20/12/19	
5	Internship	Jyotitech	2019-20	16/1/2019 to 2/1/2020	https://drive.google.com/open?id=1yzo49oplmMhCPMU496nAfwbiqFNWvGsR
6	Internship	Pradeep metals limited	2019-20	19/12/2019 to 5/1/2020	https://drive.google.com/open?id=1WIBc50-0Quxy_rKqBnHqchnvv2p-_E6I
7	Internship	Sonali Engg. Pvt.Ltd.	2019-20	10/12/20 to 24/12/20	https://drive.google.com/open?id=11bHO3MPnB2zvyf84TDbo7c-mib-_2c-5
8	Internship	Royal Enfield	2019-20	01/01/2020 to 10/01/2020	https://drive.google.com/open?id=1K9iBDDJIQBfoyMtLifviazY7CIXVHbW0
9	Internship	Eicher	2019-20	16/12/2019 to 31/12/2019	https://drive.google.com/open?id=1HgF6_zXYigSBthVeG0lNvzr7srL-y1o6
10	Internship	Element simulation	2019-20	01/07/2019	https://drive.google.com/open?id=14pYtA4ThQz3BViCfIy4Cx5FxZP14EhPA
11	Internship	Tata Motors	2019-20	1/12/2019 to 2/01/2020	https://drive.google.com/open?id=1uor1afSlBu4cn6JBSKHaWuKNq3NyQyNV
12	Internship	Reliance retail, Consumer SCM,	2019-20	16/12/2019 to 15/12/2020	https://drive.google.com/open?id=1XeJuXg5o1_HWGQskgITawtan2eWNQQDk

13	Internship	Boston Consulting Group (BCG)	2019-20	02/04/20 to 02/05/20	https://drive.google.com/file/d/1AYgHQUz77-AEr9rYWh4OnaNeBqJH0Bvr/view?usp=drivesdk
14	Internship	Palanpur engg and fabrications pvt ltd	2020	15/2/2020 to continued	
15	Internship	Deepak fertilizer	2018-20	27.12.2019 to 10.01.2020	https://drive.google.com/open?id=1-5T64o3Srh9O4MLuXY107NFC-Hg63-Da
16	Internship	Jyotitech Industries	2019-20	16.12.2019 to 02.01.2020	https://drive.google.com/open?id=14GTadgfJ7KYG3-R-hHWS5r8IhWQtc8-4
17	Internship	MSRTC Workshop	2019-20	17.08.2019	https://drive.google.com/open?id=14mD9HAhrM11Ku8yGcoRHD8PWmQcoSh_9
18	Internship	Cooper Corp.	2019-20	01.12.2019 to 01.01.2020	https://drive.google.com/open?id=18uEZXbF1HP9sXfNmcvRVpYq7Ba0Xrgfe
19	Industrial visit	Cipla	2019-20	22-2-2020	Yes
20	Industrial visit	Zeco Aircon	2019-20	25-1-2020	Yes
21	Industrial visit	Dry All	2019-20	12-10-2019	Yes
22	Industrial visit	Advantek	2019-20	14-9-2019	Yes
23	Industrial visit	Amphtronics	2019-20	22/02/2020	Yes
24	Industrial visit	Alpha chemical	2019-20	22/02/2020	Yes

25	Industrial visit	Akhil products	2019-20	22/02/2020	Yes
26	Industrial visit	Grand precicast	2019-20	22/02/2020	Yes
27	Industrial visit	ARAI	2019-20	12/10/2019	Yes

35. Details of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc.:
Link for relevant Documents here_MOUs

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
1.	MEAI Skill tech centre	PCE, New Panvel	2019-20		Technical Training & workshop	----------
02	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
03	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)
04	Indian Centre for plastics in the Environment	ICPE	2018-19	03 years	Conducting R & D in the field of Plastic packaging and Information Exchange	Internship to 2- 3 students of Third year
05	Larsen & Toubro	PCE, New Panvel	2019-20		2-3 Industrial Project every year	3 to 4 Teachers

| 06 | ONGC | PCE, New Panvel | 2019-20 | | | summer internship of 1 - 2 student |

36. Details of departmental infrastructural & other facilities:
  a) Departmental Library   : 105 Textbooks
  b) Institute Library: 2535+ textbooks, 243 reference   books, 13 print journal, 108 e-resources and 563 e-books
  c) Computers and Internet facilities for staff   : 60 computing machines with internet connection of 100Mbps bandwidth
  d) Total number of class rooms   : 09
  e) Class rooms with ICT facility   : 09
  f) Students' laboratory   : 11
  g) Research laboratories   : 01
  h) Seminar Hall   : 01
  i) Smart class room   : 01
  j) Any other facility LCDs,

Upload relevant Documents here_Infrastructure
Departmental Library: https://drive.google.com/file/d/1JWpVc0T4deKiEU_bdv8b50qRG3P3EA-9/view?usp=sharing
Library : https://drive.google.com/open?id=1UKdOqiNoUum-iLQO2rHruiKbeUsFE5he
Classrooms and Labs: https://drive.google.com/open?id=1jRPpt42m0E8znbZqyejS__8XE6j2iDG_
Photos: https://drive.google.com/open?id=1H_q8dBpq5NRVyfvioPnFhsCVcaiMu2Q-

37. Student – Computer ratio:

Total Number of students	Number of computers for students in working condition	Student Computer Ratio
506	60	8.43

Upload relevant Documents here_Infrastructure
38. Details of e-content developed by the faculty in the department:

Name of the e-content development facilities	Provide link to videos of the media centre and recording facility
e-Learning Studio: Lightboard Screencasting Pentip board recording Overhead video recording	Link for Videos

39. 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.
Link for relevant Documents here_Infrastructure

40. Number of students benefited by scholarships and freeships provided by the Government:
Link to document-
https://docs.google.com/spreadsheets/d/1gW-tDjX3vDXpRcWIWctkE2tVSU32b-8Ws4HKzfh9Ox0/edit?usp=sharing

Name of the scheme	Number of students benefited by government scheme (Scholarships)	Number of students benefited by government scheme(freeships)	State Minority Scholarship	Merit Cum-Means Scholarship
OBC	11	33	-	
SC	02	06	-	
SBC	02	-	-	
VJNT	02	11	-	
EBC	-	-	123	

41. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes:
Upload relevant Documents here_Freeships/Scholarships
Link for Details

Name of the scheme with contact information	Number of students benefited by non-government schemes
1)Scholarship for Phd Program	01
2)Felicitation of Toppers	12
3) Academic Advance Scheme	107

42. Number of students enrolled capability enhancement and development scheme:
Upload relevant Documents here_Student Development Scheme

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Design of Cars	2019-20	21	Hyperion, SPARK, Vanguard Car teams
Bridge courses	2019-20	256	Coursera, TCS, Spoken Tutorial, Udemy

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

Link for relevant Documents here_Student Development Scheme

Year	Name of the scheme	Number of students benefited /attended/participated by career counseling/Competitive exam activities
19-20	Campus Credential webinar	128
19-20	Campus to Corporate	128
19-20	CV writing Workshop (Online mode)	128
19-20	Placement awareness Talk 1 (Online mode)	128
19-20	Campus placement types Talk 2 (Online mode)	128
19-20	Placement awareness Talk 3 (Online mode)	128
19-20	Expert talk by Indian navy	128
19-20	How to register a company	128
19-20	TCS Expert Talk on SAP	128
19-20	GATE Expert Talk	128
19-20	INSPIRIA	128

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

45. Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee:
Upload relevant documents here_MOM

No. of grievances appealed	No. of grievances redressed	Average time for grievance redressal in number of days
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46. Number of outgoing students placed along with name of the employer with contact details:
Link for relevant documents here_Placements and Higher Education

Number of students placed	Name of the employer with contact details	Package received	Program graduated from
1.SURAJ BORASE	INFOSYS	Rs. 3.33 LPA	Mechanical
2.SHUBHAM SAWANT	INFOSYS	Rs. 3.33 LPA	Mechanical
3.REUBEN FRANCIS	JARO EDUCATION	Rs 12 LPA	Mechanical
4.Aditya Barde	DHL	3 LPA	Mechanical
5.Kedar Rohit Bharat	DHL	3 LPA	Mechanical
6.Jobin George	DHL	3 LPA	Mechanical

47. Details of the students going for higher education:
Link for relevant documents here_Placements and Higher Education

Number of students enrolling into higher education	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to
03	Bachelor of Engineering	Mechanical	The University of Texas at Dallas, University of Bridgeport's, Monash University, Australia	Master of Engineering.

48. 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):
Link for relevant documents here_Placements and Higher Education

Number of students selected/ qualifying									State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/IELTS	Civil Services	
355644							ABHISHEK KAILAS		
ME20S22040478			VISHAL HARIRAM NISHAD						
ME20S12040365			OMKAR VIVEKANAND PAWAR						
305865							Aashay Shelar		

Number of students appearing								State government examination
Registration /Roll No for the exam	NET	SLET	GATE	GMAT	CAT	GRE	TOEFL/IELTS	Civil Services	
			5		1	1	2		

49. Number of awards/medals for outstanding performance in sports/cultural activities at national / international level:
Link for relevant documents here- Students achievements

Name of the award/ medal	National/ International	Sports/ Cultural	Name of the Student	Number of students	Adhaar Number/Admission Number
Runners-up in All India Inter-zonal Inter-University Chess tournament 2019-20 (representing mumbai university)	National	Sports	Yash Borade	1	2017PE0143

3rd place in mumbai university intercollegiate handball tournament 2019-20 (representing mumbai university)	University	Sports	Faizan Kaware	1	2017PE0263

50. Details of the student council and the departmental student chapters:
Link for relevant Documents here - Student Council/Chapters

ISHRAE Committee List(19-20)

Name	Year	Designation
Akshay Gangadharan	B.E.	President
Pranesh Chodankar	T.E.	President Elect
Aditya Sonavane	B.E.	Secretary
Samyukta Sinha	B.E.	Treasure
Manish Deshpande	T.E.	Joint Secretary
Aayush Raghvan	B.E.	K 12 IV Chair
Chandini Suresh	B.E.	Membership Chair and Publicity head
Sanket Aradhye	B.E.	Program Chair
Aaditya Barde	B.E.	Joint Publicity head and BE Representative
Ojas Gawde	T.E.	Creative and Graphics
Nikhil Nair	T.E.	Creative and Graphics
Shabrish Nair	T.E.	T. E. Representative

Aishwarya Patil	T.E.	T. E. Representative
Chinmay Dorlikar	S.E.	S.E. Representative
Harshwardhan Ghatge	S.E.	S.E. Representative
Vyankatesh Joshi	S.E.	S.E. Representative

AESA MESA Committee list (19-20)

President	Mr. Prajwal Poojary
Vice-President	Ms. Sakshi Rai
Secretary	Mr. Sujit Gate
Joint –Secretary	Mr. Shubham Khodpe
Treasurer	Mr. Dinesh Patil
Joint Treasurer	Mr. Umarvysya Anujkumar
Event manager	Ms. Pooja Sanas
Joint event Manager	Mr. Gokul Nair and Mr. Atharv Thombare
Graphic Designer	Mr. Aniket Dhanwade Mr. Shridhar Sahu
Photographer	Mr. Kedar Mule and Mr. Ratikesh Satale
BE Mech A Representative	Mr. Ashwin Suresh
BE Mech B Representative	Mr. Suraj Borase
TE Mech A Representative	Mr. Sumit Memane
TE Mech B Representative	Mr. Chetan Nayak
TE Auto Representative	Mr. John James

SE Mech A Representative	Mr. Ashwin Karuvath
SE Mech B Representative	Mr. Mayur Patil
SE Auto Representative	Ms. Gauri Sonavane

51. Number of sports and cultural activities/competitions organized at the institution level:
   Link for relevant Documents here_Institute level activities

Sr. No.	Name of the activity	Event Date
1	International Yoga Day	21,22,23 June 2019
2	Freshers Day	20-Sep-19
3	Uber Rang	25-Jan-20
4	Community Service Day	25-Jan-20
5	Republic Day	26-Jan-20
Cultural Events in Alegria		
1	Photography	4th Feb-8th Feb 2020
2	Dreamfluencer	4th Feb-8th Feb 2020
3	Fastest Finger First	4th Feb-8th Feb 2020
4	Fashion Show	4th Feb-8th Feb 2020
5	Face of Alegria	4th Feb-8th Feb 2020
6	Beat boxing	4th Feb-8th Feb 2020
7	Rapping	4th Feb-8th Feb 2020
8	Stand Up	4th Feb-8th Feb 2020
9	Freestyle solo	4th Feb-8th Feb 2020
10	Freestyle Dance	4th Feb-8th Feb 2020
11	Music Band	4th Feb-8th Feb 2020
12	Best Manager	4th Feb-8th Feb 2020
13	Live mock stock	4th Feb-8th Feb 2020

14	ELOCUTION	4th Feb-8th Feb 2020
15	POETRY WRITING	4th Feb-8th Feb 2020
16	Hackathon	4th Feb-8th Feb 2020
17	Typing Competition	4th Feb-8th Feb 2020
18	UI/UX Competition	4th Feb-8th Feb 2020
19	CPU Assembly	4th Feb-8th Feb 2020
20	Coding Competition	4th Feb-8th Feb 2020
21	Technical Paper Presentation	4th Feb-8th Feb 2020
22	Quiz	4th Feb-8th Feb 2020
23	Word Box	4th Feb-8th Feb 2020
24	Creative Writing	4th Feb-8th Feb 2020
25	Sketching	4th Feb-8th Feb 2020
26	Canvas Painting	4th Feb-8th Feb 2020
27	Cartooning	4th Feb-8th Feb 2020
28	Mehendi	4th Feb-8th Feb 2020
29	Nail Art	4th Feb-8th Feb 2020
30	Tattoo Making	4th Feb-8th Feb 2020
31	Logo Designing	4th Feb-8th Feb 2020
32	Rangoli	4th Feb-8th Feb 2020
33	Pocket tanks	4th Feb-8th Feb 2020
34	Mr and Ms Alegria	4th Feb-8th Feb 2020
35	Food-a-thon	4th Feb-8th Feb 2020
36	Classical Solo	4th Feb-8th Feb 2020
37	Mono Acting	4th Feb-8th Feb 2020

38	PTV Rowdies	4th Feb-8th Feb 2020
39	Short Film	4th Feb-8th Feb 2020
40	Duet Dance	4th Feb-8th Feb 2020
41	Alegrian Hustle	4th Feb-8th Feb 2020
42	Shark Tank	4th Feb-8th Feb 2020
43	Duopoly	4th Feb-8th Feb 2020
44	Biz-Quiz	4th Feb-8th Feb 2020
45	Open mic	4th Feb-8th Feb 2020
46	Solo Singing	4th Feb-8th Feb 2020
47	Skit	4th Feb-8th Feb 2020
Sports Activity During Alegria		
1	Futsal	4th Feb-8th Feb 2020
2	Tug Of War	4th Feb-8th Feb 2020
3	Badminton (G)	4th Feb-8th Feb 2020
4	Badminton (B)	4th Feb-8th Feb 2020
5	Chess	4th Feb-8th Feb 2020
6	Blitz Chess	4th Feb-8th Feb 2020
7	Carrom (S)	4th Feb-8th Feb 2020
8	Carrom (D)	4th Feb-8th Feb 2020
9	60m Sprint	4th Feb-8th Feb 2020
10	Neo Shootout	4th Feb-8th Feb 2020
11	Paint ball	4th Feb-8th Feb 2020
12	Fifa 20	4th Feb-8th Feb 2020
13	Ludo king	4th Feb-8th Feb 2020
14	Pubg mobile	4th Feb-8th Feb 2020

15	CSGO	4th Feb-8th Feb 2020
16	Box Cricket	4th Feb-8th Feb 2020
17	Rifle Shooting	4th Feb-8th Feb 2020
18	Chess	4th Feb-8th Feb 2020
19	Table Tennis	4th Feb-8th Feb 2020
20	Neo Cricket	4th Feb-8th Feb 2020
21	Kabaddi	4th Feb-8th Feb 2020
22	Basketball	4th Feb-8th Feb 2020
23	Devil Circuit	4th Feb-8th Feb 2020
24	Neo Basketball	4th Feb-8th Feb 2020
25	Volley Ball	4th Feb-8th Feb 2020
26	Shotput (G)	4th Feb-8th Feb 2020
27	Shotput (B)	4th Feb-8th Feb 2020
28	Oculus VR Fruit Ninja	4th Feb-8th Feb 2020
29	Cod Mobile	4th Feb-8th Feb 2020
30	The War of DJs	4th Feb-8th Feb 2020
31	NFSMW	4th Feb-8th Feb 2020
32	Oculus VR Fruit Ninja	4th Feb-8th Feb 2020
33	Fitness Physique	4th Feb-8th Feb 2020
34	Treasure Hunt	4th Feb-8th Feb 2020
OTHER EVENTS		
1	Rose Day	20-Feb-20
2	Garba night	20-Feb-20
3	Saree day	20-Feb-20
4	Traditional Day	20-Feb-20
5	Miss Match Day	20-Feb-20
6	Shiv Jayanti	20-Feb-20

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

Link for relevant Documents here - Alumni

Sr. No	Date	Title	Speaker	Attendees	Duration
1	27/04/20	webinar on "Career Opportunities in PDM/PLM".	Tushar Thorat	20	1 day

53. Details of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies:
Link for relevant documents here-Financial Assistance

Sr.No	Name of teacher	PAN	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support (REMARK)
1	Prof Avinash Shaligram, Prof Vinod Mane, Prof Ameya Nijasure, Prof M Shivapradeep	ASJPM5050D	Seventh Interantional Conference on Transfromations in Engineering Education) held at Anurag College of Engineering, Hyderaba	ICTIEE-2020	Rs.6000/-
2	Prof Binsu Babu	AQMPB8799F	Registration charges for presenting PhD Research Paper in ICEMEM 2019 conference at NMIMS Shirpur	ICEMEM 2019	Rs.6000/-
3	Prof.Shridhar deshmukh	AYTPD9301L	National Symposium on innovation in Geospatial Technology for Sustainable Development with special emphasis on NER Shillong,	National Symposium on innovation 2019	Rs.25000/-

		Travelling expense for one Faculty		

54. Number of professional development/administrative training programs organized by the department for teaching and non teaching staff:
Link for relevant Documents here

Sl. No	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Dates (from-to)	Dates (from-to) Non Teaching	No of participants (Teaching staff)	No of participants (Nonteaching staff)
1	Handling emergencies and First aid Techniques	-	23 March 2019	23 March 2019	15	10

55. Details of teachers attending professional development Programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes:
Upload relevant documents here - Programs attended

Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
Dr.Rashed Ali,Dr.Richa Agarwal,Prof.Pruthviraj Rahane (3)	4 Day FDP on "Research, Funding Projects & IPR	9th – 13th December 2019
Dr.Richa Agarwal (1)	Two Days Short Course by TEQIP on "The Finite Element Method"	12th – 13th July 2019

Dr.Richa Agarwal (1)	National Finite Element Developers'/FEASTSMTUs ers' meet	9th December 2019
Dr.Rashed Ali,Prof.Shivapradeep Muthupandi (2)	Programming for Everybody (Getting Started with Python) - (Coursera)	5th April 2020
Dr.Rashed Ali, Prof.Shivapradeep Muthupandi (2)	Python Data Structures - (Coursera)	7th April 2020
Dr.Rashed Ali (1)	Using Databases with Python - (Coursera)	17th April, 2020
Dr.Rashed Ali,Prof.Shivapradeep Muthupandi (2)	R Programming - (Coursera)	12th MAy, 2020
Dr.Rashed Ali (1)	One Week FDP on "Python"	4th – 8th May, 2020
Dr.Rashed Ali,Prof.Shivapradeep Muthupandi,Prof. Shahid Shaikh (3)	One Week FDP on "Scilab"	11th – 15th May, 2020

Dr.Rashed Ali,Dr.Richa Agarwal,Prof.Pruthviraj Rahane,Prof.Shivapradeep Muthupandi,Prof. Shahid Shaikh,Prof.Tikaram Verma (6)	2 - Day online FDP on "Challenges, Opportunities and Possible effects caused due to COVID- 19 in Process equipment Industries"	4th – 5th May, 2020
Dr.Rashed Ali (1)	3 days National Level Online FDP on "Protecting You in Cyberspace"	1st – 3rd June, 2020
Dr.Dhanaraj Tambuskar,Dr.Richa Agarwal,Dr.Rashed Ali,Dr.Gajanan Thokal,Prof.Shivapradeep Muthupandi (5)	5 Day Workshop on 'Curriculum Development with Learner Centric AProf.Pruthviraj Rahaneoach' organised by IQAC, Pillai College of Engineering, New Panvel & Department of ASMH	10th – 14th June, 2020
Dr.Rashed Ali (1)	A One-week AICTE-ATAL FDP on "3D Printing and Design"	15th – 19th June, 2020
Dr.Rashed Ali (1)	Online Workshop on Assessment Tools	25th - 26th June, 2020
Prof.Pruthviraj Rahane (1)	One Week STTP on "Management Information system"	1st – 5th July 2019
Prof.Pruthviraj Rahane,Prof. Binsu Babu	2 Days Workshop on "Application Programming Interface (API) using	26th - 27th August 2019

(2)	Autodesk Fusion 360 Software"	
Prof.Pruthviraj Rahane (1)	One Week STTP on "Advances in HVAC & R" conducted by ISHRAE Student chapter of LTCOE,NAvi Mumbai	16th – 21th December 2019
Prof.Pruthviraj Rahane (1)	Tech talk on " Basics of metullargy & Nanotechnology in HVAC"	21st Dec 2019
Prof.Pruthviraj Rahane (1)	Tech talk on " Synergy between energy efficiency & renewable enrgy"	13th Feb 2020
Prof. Meeta Vedpathk,Prof.Pruthviraj Rahane,Prof.Tikaram Verma (3)	Webinar on "EMOTIONAL WELL BEING AT WORK. (Psychology of Emotional Intelligence)"	6 th April 2020
PAA,Prof.Pruthviraj Rahane (1)	Webinar on "Best Practices and Strategies for Effective Online learning"	8 th April 2020
Prof.Pruthviraj Rahane (1)	The Solar PV System Design Comprehensive Course (Udemy)	6 th April 2020
Prof.Pruthviraj Rahane (1)	Moral foundation of Politics (Coursera)	9 th April 2020

Dr.Richa Agarwal,Prof.Pruthviraj Rahane (2)	Certificate Course on "Solar Energy Basics" by Coursera	24 th April 2020
Prof.Tikaram Verma,Prof.Pruthviraj Rahane (2)	Introduction to air indoor quality (Coursera)	27 th April 2020
Prof.Tikaram Verma,Prof.Pruthviraj Rahane (2)	Weight Management: Beyond Balancing Calories (Coursera)	27 th April 2020
Prof.Pruthviraj Rahane (1)	Introduction to Solar Cell (Coursera)	27 th April 2020
Prof.Tikaram Verma,Prof.Pruthviraj Rahane (2)	Wind Energy (Coursera)	30 th April 2020
Prof.Tikaram Verma,Prof.Pruthviraj Rahane (2)	Electric Power System (Coursera)	5 th May 2020
Prof.Tikaram Verma,Prof.Pruthviraj Rahane (2)	Natural Gas (Coursera)	5 th May 2020

Prof.Tikaram Verma,Prof.Pruthviraj Rahane (2)	Safety in Utility Industry (Coursera)	5 th May 2020
Prof.Pruthviraj Rahane (1)	Tech talk on " Automations in HVAC" organized by ISHRAE Thane Chapter	05 th May 2020
Prof.Tikaram Verma,Prof.Pruthviraj Rahane (2)	Energy the Enterprise (Coursera)	10 th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on HVAC Controls and Building Automation Fundamentals	9th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Basics of Refrigeration" conducted by ISHRAE Chapter of Easwari College of Engineering, Ramapuram, Chennai	11th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Air conditioning system and Psychrometry" conducted by ISHRAE Chapter of Easwari College of Engineering, Ramapuram, Chennai	12th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Heat Load Calculation Using Hourly Analysis Program" organised by ISHRAE	13th May 2020

	Student Chapter of Easwari Engineering College, Ramapuram , Chennai	
Prof.Pruthviraj Rahane (1)	Webinar on "Building Energy Simulation and its Applications" organised by ISHRAE Student Chapter of Easwari Engineering College, Ramapuram , Chennai	14th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Winning is not Success" By Mr Sandeep Mendiratta (ISHRAE Mumbai Chapter)	10th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Green Building" organised by ISHRAE Student Chapter of Easwari Engineering College, Ramapuram , Chennai	15 th May 2020
Prof.Pruthviraj Rahane,Prof. Manikant Verma,Prof. Shahid Shaikh (3)	Webinar on" IMPACT OF COVID -19 ON PLACEMENTS & INTERNSHIPS; ACTION PLAN" organised by PIMSR	8th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "IOT and Building Automation Systems " organised by ISHRAE Student Chapter of Easwari Engineering College, Ramapuram , Chennai.	16th May 2020
	Healthy Practices Nutrition, Physical Activity, and	16th May 2020

	community and family participation (Coursera)	
Prof.Pruthviraj Rahane (1)	Webinar on "VRF System Basics" conducted by ISHRAE HQ, New Delhi	16th May 2020
Prof.Pruthviraj Rahane (1)	Introduction to International Criminal Law (Coursera)	16th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on " CFD Simulation in HVAC Systems" organised by ISHRAE Student Chapter of Easwari Engineering College, Ramapuram , Chennai.	17 th May 2020
Prof.Pruthviraj Rahane (1)	Orientation program of "Vehicle Maintenance AEC801" Sem-VIII Automobile Engineering Branch	15th Jan2020
Prof.Pruthviraj Rahane (1)	Orientation Program of (Automobile Engineering-MEDLO7032) Sem-VII Mechanical Engineering Branch	16th May 2020
Prof.Pruthviraj Rahane (1)	Orientation program of Sub-Power Engineering MEC8023 Sem-VIII Mechanical Branch	23 th Jan 2020
Prof.Pruthviraj Rahane (1)	Orientation program of Sub-Renewable Energy Sources MEC8023 Sem-VIII Mechanical Branch	22 th Jan 2020

Prof.Pruthviraj Rahane (1)	FDP 2.0 conducted by North Storm Academy	13th May - 14th May 2020
Prof.Pruthviraj Rahane (1)	Fundamentals of Engineering Exam Review (Coursera)	19th May 2020
Prof.Pruthviraj Rahane (1)	Understanding the research Methods (Coursera)	20th May 2020
Prof.Pruthviraj Rahane (1)	The science of Gastronomy(Coursera)	20th May 2020
Prof.Pruthviraj Rahane,Dr.Rashed Ali (2)	The Golden Jubilee Talk Series on "Focus in and get problems out with a Self Coaching Tool kit"	20th May 2020
Prof.Pruthviraj Rahane (1)	A life of Happiness and Fulfillment (Coursera)	21th May 2020
Prof.Pruthviraj Rahane (1)	One week FDP on Renewable Energy Sources by CUMMINS College, Nagpur	15th May - 21th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Teachers are Leaders" conducted by IQAC, BVCOE, Kharghar	23rd May 2020
Prof.Pruthviraj Rahane	Webinar on "Expectation of industry from Engineering	24th May 2020

(1)	Graduates" conducted by IIIC, PBCOE, Nagpur	
Prof.Pruthviraj Rahane (1)	Webinar on "Duct Design Basics" by ISHRAE HQ, Delhi	23th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on " Cold Room Design & Refrigeration" by ISHRAE HQ, Delhi	25th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Genious Code science & Peak Performance" organized by AISSM, Pune	26th May 2020
Prof.Pruthviraj Rahane,Dr.Richa Agarwal,Dr.Rashed Ali (3)	Webinar on'Role of Technology Transfer in Driving Innovation organised by R & D Cell, MH Saboo Siddik College of Engineering	30th May 2020
Prof.Pruthviraj Rahane (1)	7 Days Workshop on "Basic fundamentals of HVAC & RAC" by ISHRAE Jodhpur Sub-Chapter	25th - 31st May 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Air Distribution System" conducted ISHRAE, HQ, New Delhi	1st June 2020
Prof.Pruthviraj Rahane (1)	Webinar on Net Zero Energy Building conducted by Poornima College of Engineering & ASHRAE ,Rajasthan	3 rd June 2020

Prof.Pruthviraj Rahane (1)	One Week Training Program on Renewable Energy Application & Entrepreneurship_ SSBT COE, Jalgaon	26 th May - 30th May 2020
Prof.Pruthviraj Rahane (1)	Webinar on " Project Management" by ACOE, Sangamner	05th May 2020
Prof.Pruthviraj Rahane (1)	One Week Training Program on Building Energy Technology & Recent Trends in HVAC_ PCCOE, Pune	1st June- 6th June 2020
Prof.Pruthviraj Rahane (1)	Webinar_Introduction to IoT and Case Studies on Industrial Applications, BVCOE, Navi Mumbai	4 th -5th June 2020
Prof.Pruthviraj Rahane (1)	Webinar_Golden opportunities in Indian Automobile sector post Covid-19_ACOE, Sangamner	31 st May 2020
Prof.Pruthviraj Rahane (1)	Webinar_ Everyone Communicate & Few Connects_ ASHRAE Rajasthan_Poornima College of Engg	9th June 2020
Prof.Pruthviraj Rahane (1)	Webinar_The science of focus and self enquiry_AVCOE, Sangamner	7th June 2020
Prof.Pruthviraj Rahane		12th June 2020

(1)	Webinar_ASHRAE Building EQ rating Program_ ASHRAE Rajasthan Chapter and Poornima College of Engineering	
Dr.Richa Agarwal,Prof.Pruthviraj Rahane

(2) | Webinar on 'tips to avoid your next paper getting rejected' conducted by Amrutvahini College of Engineering | 13th June 2020 |
| Prof.Pruthviraj Rahane

(1) | Webinar_Energy conservation measures in HVAC, NSAKCET, Hyderabad | 13th June 2020 |
| Prof.Pruthviraj Rahane

(1) | Webinar_Environment & Sustainable Development, Vidyavardhaka College of Engineering , Mysore | 5th June 2020 |
| Prof.Pruthviraj Rahane,Prof.Shivapradeep Muthupandi,Dr.Rashed Ali

(3) | Online Webinar on "EMPOWER- Emotional Intelligence and COVID 19" conducted by Pillai college of Engineering. | 15 th June 2020 |
| Prof.Pruthviraj Rahane,Prof. Pranita Thakur,Dr.Rashed Ali

(3) | Quiz_COVID_19 Awareness_Pillai College_New Panvel | 21 st April 2020 |
| Prof.Pruthviraj Rahane | Quiz_COVID-19 awareness Quiz_Ashoka Center for Business & Computer | 5/1/2020 |

(1)	Sciences,Pune	
Prof.Pruthviraj Rahane (1)	Quiz_Fundamentals of Engineering Thermodynamics_Annasaheb Dange College of Engineering and Technology, Ashta	27th May 2020
Prof.Pruthviraj Rahane (1)	Quiz_RENEWABLE ENERGY SYSHSSCOE,Mumbai	27th May 2020
Prof.Pruthviraj Rahane (1)	3 Day Online FDP On "Enhancing Research Work of Ph.D. Aspirants through Systematic AProf.Pruthviraj Rahaneoach by LTCOE, Navi Mumbai	8th - 10th June 2020
Prof.Pruthviraj Rahane (1)	Faculty Development Program on the topic of "Recent Advancement in Materials & Joining Technology" organizing by Department of Mechanical Engineering SAGE University, Indore	9th- 13th June 2020
Prof.Pruthviraj Rahane (1)	FDP on Gas Turbine & Development by Department of Aerospace Engineering, LBRCE, Mylavaram, Andhra Pradesh	14th - 16th June 2020
Prof.Pruthviraj Rahane (1)	Online Workshop on "Trends & Practices in Refrigeration & Air Conditioning" by Deogiri	15th - 20th June 2020

	Institute of Engineering & Management Studies, Aurangabad	
Prof.Pruthviraj Rahane (1)	One Week faculty development of " Futrure Materials: Nanocomposite" by Bharati Vidyapeeth demmed university , Pune	15th - 21st June 2020
Dr.Richa Agarwal,Prof.Pruthviraj Rahane (2)	5 day Webinar Series On "Industrial Aspects of Thermal Engineering" organized by Department of Mechanical Engineering, Lokmanya Tilak College of Engineering, Navi Mumbai in association with ISHRAE Mumbai ChapteR	13th - 17th June 2020
Prof.Pruthviraj Rahane (1)	Quiz_Thermal Engg & Renewable Energy resources Quiz_LTCOE	18th June 2020
Prof.Pruthviraj Rahane (1)	Awareness Quiz on International Yoga Day	18th June 2020
Dr.Sandeep Joshi,Dr.Richa Agarwal,Prof. Pranita Thakur,Prof. Meeta Vedpathk,Prof.Tikaram Verma,Prof.Shivapradeep Muthupandi (6)	Introduction to Thermodynamics: Transferring Energy from Here to There (Coursera)	5/25/2020
Dr.Rashed Ali,Prof.Pruthviraj Rahane	Webinar_Leadership Talk with Mr. Shridhar Venkat,	20th June 2020

(2)	CEO (Akshay Patra Foundation)	
Prof.Pruthviraj Rahane (1)	National Level Online Technical Quiz on "RESEARCH METHODOLOGY"	21st June 2020
Prof.Pruthviraj Rahane (1)	Webinar_Scope in Administrative Jobs After Engineering" organized by Department of Mechanical Engineering of NSHM Knowledge Campus Durgapur-GOI.	21st June 2020
Prof.Pruthviraj Rahane (1)	Pruthviraj_Webinar_Design of variable Air Volume (VAV) System @ ASHRAE Rajasthan	24 th June 2020
Prof.Pruthviraj Rahane (1)	webinar on "Pumps-Operations & Maintenance" On 11th & 12th June 2020 organised by the Dept of Mechanical Engineering, BVCOE, Kharghar	11-12 th June 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Webinar on Industrial Hygiene, IAQ & IEQ- Case Studies by Mr. Donald M. Weekes" conducted by ASHRAE, Rajasthan Chapter	24 th June 2020
Prof.Pruthviraj Rahane	Webinar_ECBE Compliance in HVAC System, conducted by NSAKCE Ishrae chapter,	20th June 2020

(1)	Hyderabad	
Prof.Pruthviraj Rahane (1)	Webinar_Introduction to Ammonia Refrigeration System by ASHRAE, Rajasthan Chapter	26th June 2020
Prof.Pruthviraj Rahane,Prof.Tikaram Verma (2)	Quizz_REFRIGERATION AND AIR CONDITIONING E-QUIZ_LOYOLA-ICAM COE,Chennai	26th June 2020
Prof.Pruthviraj Rahane (1)	Pruthviraj_International Webinar on the topic "Creating opportunities in the face of adversities" by RKGIT , TEQUIP-III	25 th June 2020
Prof.Pruthviraj Rahane (1)	Webinar_Basics of Cold storage design by ASHRAE Deccan Chapter	27 th June 2020
Prof.Pruthviraj Rahane (1)	Webinar_ Green building and its operational benefits by NSAKCET ISHRAE	27 th June 2020
Prof.Pruthviraj Rahane (1)	National Workshop of ग्रामीण विकास Enabling Self-Reliant Economy Through Techno-Social Innovation In A Perspective of Post COVID 19 Rural India conducted under UBA Cell RGIT	25th - 27th June 2020
Prof.Pruthviraj Rahane (1)	Webinar on How to develop effective research skill by LTCOE, Navi Mumbai	28th June 2020

Prof.Pruthviraj Rahane (1)	Technology of Sustainability: Potential of Technology in Shaping the World organized by RKGIT, UP	7/2/2020
Prof.Pruthviraj Rahane (1)	Webinar on "Introduction to Radiant Cooling Systems" organised by ISHRAE Deccan Chapter	4th July 2020
Prof.Pruthviraj Rahane (1)	Webinar on Sustainability in Product Design by DIMES, Aurangabad	5th July 2020
Prof.Pruthviraj Rahane (1)	Webinar on " Vehicle suspension system Design"	6th July 2020
Prof.Pruthviraj Rahane (1)	Webinar on Dynamics of Duct	4th July 2020
Prof.Pruthviraj Rahane (1)	Webinar on Virtual Labs by CCOE, Nagpur	10 th July 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Challenges Of Cyber World - Relevance Of Emerging Technologies" by RKGIT	9th July 2020
Prof.Pruthviraj Rahane (1)	One- Week Faculty Development Programme on "Trends in Energy Conservation Technologies"	6th - 11 th July 2020
Prof.Pruthviraj Rahane		10 th July 2020

(1)	Webinar on Advantages& drawbacks of Ammonia as refrigerant	
Prof.Pruthviraj Rahane (1)	Webinar on Solar technology ka chipaa zooth	11 th July 2020
Prof.Pruthviraj Rahane (1)	5 Days Workshop on Recent advances in Thermal Engineeering by Bits Pillani & ISHRAE Jaipur	29th June - 3rd July 2020
Prof.Pruthviraj Rahane (1)	Webinar on "Thermal Insulation for HVAC System" by NSKACT, ISHRARLE Deccan Chapter	7/11/2020
Dr.Gajanan Thokal (1)	Bulk material Handling	11 th June 2020
Dr.Gajanan Thokal (1)	One day workshop on Bearing	30 th April 2020
Dr.Gajanan Thokal (1)	Machine Design Part-I (Coursera)	29 th April 2020 (Five weeks)
Dr.Richa Agarwal (1)	One Day Webinar on 'Graphene-The Fututre Material' held on 18th May 2020 at Cambridge Institute of Technology, Bangalure.	18th May 2020
Dr.Dhanaraj Tambuskar		29/4/20 to 2/5/2020

(1)	4 Days Course on Exam Reforms by AICTE	
Dr.Dhanaraj Tambuskar (1)	Initiating and Planning Projects	22th April 2020
Dr.Dhanaraj Tambuskar (1)	Six Sigma Principles	25th April 2020
Dr.Dhanaraj Tambuskar (1)	FDP on Innovation Entrepreneurship and its relevance in industry 4.0 practices	25th-29th May 2020
Dr.Rashed Ali,GVV,Dr.Gajanan Thokal (3)	Webinar on "Transformation post COVID -19 an emerging new world"	24th May 2020
Prof. Meeta Vedpathk (1)	UNNAT BHARAT ABHIYAN ' COVID-19 Awareness Quiz' held at Pillai College of Engineering, New Panvel, Navi Mumbai	24th May 2020
Dr.Richa Agarwal (1)	Webinar on Transformations post COVID-19 AN EMERGING NEW WORLD" on 24th May, 2020 organized by Pillai College of Engineering, New Panvel.	24th May 2020

Prof.Shivapradeep Muthupandi,Prof.Shivaprade ep Muthupandi (2)	Excel Skills for Business: Essentials - (Coursera)	19 April - 25 May 2020
Prof.Shivapradeep Muthupandi (1)	Excel Skills for Business: Intermediate I - (Coursera)	4/8/2020
Prof.Shivapradeep Muthupandi (1)	one week FDP on "R Programming"by Spoken Tutorial and PCE	29th April-3rd May 2020
VSK,KSA,Prof.Shivaprade ep Muthupandi (3)	Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop'	24th May 2020
Dr.Richa Agarwal (1)	3 day FDP Exploring Research Challenges and Opportunities in Science & Technology	27-29th May 2020
Dr.Richa Agarwal,Prof. Meeta Vedpathk,Prof.Shivapradeep Muthupandi,Prof. Pranita Thakur,Prof. Shahid Shaikh (5)	"Heat Transfer and Fluid Flow Simulation for a Heat Exchanger Unit Using a Ansys Fluent".	8th May 2020
Dr.Richa Agarwal (1)	4 day FDP on INNOVATIVE TRENDS IN ENGINEERING AND TECHNOLOGY	25-29th May 2020

Prof. Pranita Thakur (1)	Chinese for Beginners (Coursera)	4/13/2020
Prof. Pranita Thakur (1)	Project: Spreadsheets for Beginners using Google Sheets (Coursera)	4/13/2020
Prof. Pranita Thakur (1)	Renewable Energy and Green Building Entrepreneurship (Coursera)	4/14/2020
Prof. Pranita Thakur (1)	Mandarin Chinese 1: Chinese for Beginners (Coursera)	5/5/2020
Prof. Meeta Vedpathk,Prof. Pranita Thakur (2)	Heat Transfer Concepts in Configuration Design of Lifting-body of Reusable Hypersonic Vehicle (Faculty Development Program-Webinar)	5/2/2020
Prof. Pranita Thakur (1)	CFD - ANSYS FLUENT - BEGINNER TO EXPERT LEVEL (Udemy)	5/5/2020
Prof. Pranita Thakur (1)	Learn Basic Indian Sign Language (enable Academy)	4/29/2020
Prof. Pranita Thakur (1)	Learn Basic American Sign Language (enable Academy)	4/29/2020
Prof. Pranita Thakur		5/13/2020

(1)	ELEATION'S ANSYS Basic to Professional Training Program	
Dr.Sandeep Joshi,Prof. Meeta Vedpathk

(2) | Write Professional Emails in English (Coursera) | 4/13/2020 |
| Dr.Richa Agarwal,Prof. Meeta Vedpathk,Prof.Shivapradeep Muthupandi

(3) | webinar on "Fluid Flow & Heat Transfer Aspects of Synthetic Jet" on '29th May 2020' organized by 'Department of Mechanical Engineering' of 'SITRC, Nashik' | 29 th May |
| Prof. Meeta Vedpathk

(1) | the webinar on "Pillars of Good Immunity" organized by Department

of Computer Engineering and Information Technology, PCE, New Panvel | 6/6/2020 |
| Prof. Meeta Vedpathk

(1) | National level Quiz on "BASICS OF THERMAL ENGINEERING" by LT college of Engineering | 13 to 15 June |
| Prof. Meeta Vedpathk

(1) | The national level Fun With Mathematics 2020 Quiz conducted online by Pillai College of Engineering, Department of Applied Science,Mathematics and Humanities, New Panvel,

Maharashtra. | |

Prof. Binsu Babu (1)	Webinar on career opportunities in PDM/PLM	27th April 2020
Prof. Sojan V (1)	FDP on "Managing online classes on co-creating MOOCs"	20/4/2020 - 07/05/2020
Prof. Sojan V (1)	FDP on "Digital Teaching and Learning Environment"	11/05/2020 - 13/05/2020
Prof. Sojan V (1)	Webinar on " Outcome - Based Education"	18/05/2020
Dr.Gajanan Thokal (1)	Advanced Engineering Systems in Motion: Dynamics of Three Dimensional (3D) Motion	25/04/2020 to 15/05/2020 (Six Week)
Dr.Gajanan Thokal (1)	Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	25/04/2020 to 16/05/2020 (Five Weeks)
Prof. Manikant Verma (1)	Application of Reliability in industry	20/08/19
Prof. Manikant Verma (1)	Research Forum MES Faculty Seminar	27/09/2019
Prof. Shahid Shaikh (1)	Orientation for " Engineering Mechanics"	19/09/2019

Prof. Shahid Shaikh (1)	Essentials of Entrepreneurship: Thinking & Action (Coursera)	7th May 2020
Prof. Shahid Shaikh (1)	Grammar and Punctuation	9th May 2020
Prof. Shahid Shaikh (1)	The 3D Printing Revolution	16th May 2020
Prof. Shahid Shaikh (1)	One day webinar on Use of Excel Skills in Research	12th May 2020
Prof. Shahid Shaikh (1)	3 days International Faculty Developement Programme on " Digital Teaching & Learning Environment"	11th - 13th May 2020
Prof. Shahid Shaikh (1)	5 days FDP on "OpenFOAM"	May 13- May 17
Prof. Shahid Shaikh (1)	2 days FDP on "Intellectual Property Rights and Patent Registration	May 21 - May 22
Dr.Richa Agarwal,Prof. Shahid Shaikh (2)	3 days FDP on "Protecting You in Cyberspace"	June 1 - June 3
Dr.Richa Agarwal (1)	5 days FDP on "Moodle Learning Management Systems"	May 26 - May 30

Dr.Richa Agarwal (1)	Webinar on "Know your Fabrics and Heritage of India	6/16/2020
Dr.Richa Agarwal,Dr.Rashed Ali (2)	Webinar on "Search Beyond Google"	5/19/2020
Prof.Shivapradeep Muthupandi (1)	Neural Networks and Deep Learning - (Coursera)	8/4/2020
Prof.Shivapradeep Muthupandi (1)	Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - (Coursera)	11/4/2020
Prof.Shivapradeep Muthupandi (1)	Structuring Machine Learning Projects - (Coursera)	23/04/20
Prof.Shivapradeep Muthupandi (1)	Convolutional Neural Networks - (Coursera)	25/04/20
Prof.Shivapradeep Muthupandi (1)	Sequence Models - (Coursera)	23/04/20
Prof.Shivapradeep Muthupandi	Principles of Photo Composition and Digital	17/04/20

	Image Post-Production - (Coursera)	
(1)		
Prof.Shivapradeep Muthupandi (1)	Build Data Analysis tools using R and DPLYR	8/5/2020
Prof.Tikaram Verma (1)	Material Science : 10 Things every Engineer should know (Coursera)	4/28/2020
Prof.Tikaram Verma (1)	Introduction to Communication science (Coursera)	4/29/2020
Prof.Tikaram Verma (1)	Material behaviour (Coursera)	5/22/2020
Prof.Tikaram Verma (1)	Specialization in energy production and distribution and safety (Coursera)	5/23/2020
Prof.Tikaram Verma (1)	Think again I : How to understand argument (Coursera)	5/4/2020
Prof.Tikaram Verma (1)	The Science of success (Coursera)	5/20/2020
Prof.Tikaram Verma (1)	Fundamental of fluid power (Coursera)	5/20/2020
Prof.Tikaram Verma		5/5/2020

(1)	Digital analytics for management professionals (Coursera)	
Prof.Tikaram Verma (1)	One week Faculty development program on Renewable Energy sources	15 May 2020 to 21 May 2020
Prof.Tikaram Verma (1)	Webinar on Stock Markets	6/12/2020
Prof.Tikaram Verma (1)	Webinar on The Golden Jubilee Talk series	5/8/2020
Prof.Tikaram Verma (1)	Quiz on smart mechanician	5/23/2020
Dr.Richa Agarwal,Prof.Tikaram Verma (2)	Webinar on Waste to Energy	6/5/2020
Dr.Richa Agarwal,Dr.Gajanan Thokal (2)	Quiz PCE-UNNAT BHARAT ABHIYAN COVID-19 Awareness Quiz	5/1/2020
Dr.Richa Agarwal (1)	Five day online faculty development programme on 'Evolution from offline to online teaching' organised by Satish Pradhan Dnyanasadhana College,	30th May to 3rd June 2020.

	thane From 30th May to 3rd June 2020.	
Dr.Richa Agarwal (1)	Online session conducted by Priam Sir on 28/03/2020 on "How to conduct & write literature review-a starting point to good research".	
Dr.Richa Agarwal (1)	Webinar on ED TECH MASTERCLASS for learning the best Practices on Student Engagement in Online Classes on 22nd April 2020 conducted by PCACS & ED-TECH Masterclass.	
Dr.Richa Agarwal (1)	Webinar on 'Research Workflows, Research Metrics and Excellence in Academic Institutes" scheduled on 12th May 2020 from 9:30 AM to 2 PM organised by AICTE & ELSEVIER.	
Dr.Richa Agarwal (1)	Certificate course on "Cyber Security & IoT" by Coursera	
Dr.Richa Agarwal (1)	Webinar on "Future of Education post Covid" organised by McGrawHill Publications on 18th June 2020 delivered by Prof. Rajendra P Gupta (Former Member - National Education Policy Committee, Govt of India.)	18th June 2020

Dr.Gajanan Thokal (1)	Quiz-Research Skills Enhancements, Jaipur	5/13/2020
Dr.Rashed Ali (1)	India First Leadership Talk webinar	2nd May, 2020
Dr.Rashed Ali (1)	The Golden Jubilee Talk Series "Impact of COVID-19 on Placements & Internships; Action Plan"	8th May, 2020
Dr.Rashed Ali (1)	India First Leadership Talk With Prof D. P. Singh, Chairman UGC	9th May, 2020
Dr.Rashed Ali (1)	Webinar of Online teaching and learning using Google classroom and Google meet	22nd May, 2020
Dr.Richa Agarwal,Prof.Shivapradeep Muthupandi (1)	Webinar on "Altair Hyperworks"	28th May, 2020
Dr.Richa Agarwal (1)	India First Leadership Talk with Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd	23rd May, 2020
Dr.Richa Agarwal (1)	Webinar on "Engineering Application in Interdisciplinary Field" by Dr. P. M. Padole	23rd May, 2020
Dr.Richa Agarwal		27th May, 2020

(1)	Workshop on Reinventing Yourself	
Dr.Richa Agarwal (1)	India First Leadership Talk with Dr. Nilesh N Oak,	30th May, 2020
Dr.Richa Agarwal (1)	Webinar on "Relevance and Significance of Industrial Engineering Tools in Post COVID-19 in Manufacturing and Supply Chain"	30th May, 2020
Dr.Richa Agarwal (1)	Leadership talk with Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design)	6th June, 2020
Dr.Richa Agarwal (1)	E Quiz on "Finite Element Method"	10th June, 2020
Dr.Richa Agarwal (1)	Leadership talk with Shri R Subrahmanyam, IAS	13th June, 2020
Dr.Richa Agarwal (1)	Webinar on "CAD/CAM & CNC Programming"	27th June, 2020
Dr.Richa Agarwal (1)	Webinar on "Role of Plastic in Pandemic"	27th June, 2020
Dr.Richa Agarwal		27th June, 2020

(1)	Leadership talk with Shri Dipendra Manocha	
Dr.Gajanan Thokal (1)	3 Day workshop on 3DP-The next Industrial Revolution	11 -13 June 2020
Dr.Sandeep Joshi (1)	Initiating and Planning Projects, University of California, Irvine (Coursera)	19/04/2020
Dr.Sandeep Joshi (1)	Speak English Professionally: In Person, Online & On the Phone, Georgia Institute of Technology (Coursera)	24/04/2020
Dr.Sandeep Joshi (1)	Personality Types at Work, University of Florida (Coursera)	24/04/2020
Dr.Sandeep Joshi (1)	Successful Negotiation: Essential Strategies and Skills, University of Michigan (Coursera)	27/04/2020
Dr.Sandeep Joshi (1)	Influencing People, University of Michigan (Coursera)	04/05/2020
Prof. Vaishali Kumbhar (1)	5 Day Online PIP on Vehicle Dynamics and Control	12th to 17th May 2020

56. Total Grants received from non-government bodies, individuals, Philanthropist:
Upload relevant documents here - Grants received

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Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Initiative
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57. Details of quality enhancement initiatives in the academic and administrative domains of the department:Link for relevant Documents

i) Opportunity for higher studies (1 faculty has completed PhD while working in the college).
ii) Regular Industrial visits are organised for the benefit of the students.
iii) Faculty and students are encouraged to take NPTEL and Coursera courses.
iv) Introduction of ARAI-PIP to benefit students.
v) Most of the administration is paperless and most communications are made through emails and due to Covid pandemic situation, most of the administration and academics happened through online platforms.
vi) Due to Covid pandemic situation, many webinars by industry experts and academicians are conducted for students and faculty

58. Number of gender equity promotion programmes organized by the department:

Year	Title of the program	Date and Duration (from-to)	Number of participants	Link
2019-20	Women's Day	9th March 2020	Not mentioned in report	Women's Day Report
2019-20	Entrepreneurship Summit Organized with IWFCI	21st August 2019	350	Report

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

Links for relevant Documents _PBL:

1] Odd Semesters

2] Even Semesters

(A) ODD SEMESTERS:
Second Year: Column Design Challenge (Odd Semester-III, Topic 1)
Fidget Spinner (Odd Semester-III, Topic 2)
Third Year: Aeolipile (Odd Semester-V, Topic 1)

Keep It Warm (<u>Odd</u> Semester-V, Topic 2)

(B) EVEN SEMESTERS: *(<u>Note</u>: Due to Covid-19 pandemic lockdown, the final stage assessment, and hence the final PBL report couldn't materialise. Hence, documents pertaining only up to the first stage assessment have been uploaded in the link above).*
<u>Second Year</u>: Liquid Pouring Mechanism (<u>Even</u> Semester-IV)
<u>Third Year</u>: Earthquake Resistant Building Model (<u>Even</u> Semester-VI)

60. Details of the final year project:
    Total Project groups-32
    InHouse Projects-31
    Industry Project-01

Link for relevant documents here _ Final year Projects

61. Initiatives taken by the department to enhance the quality of teaching learning process, research and entrepreneurship:
    Link for relevant Documents

Motivated to prepare Research Proposal and involve themselves in Projects, consultancy work.
-Encouraged to do certification courses online,eg. NPTEL, Coursera and due credit for assignments 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 2019-20 has been over 90.
-Guest lecturers, webinars by Industry experts and academicians for students and teachers

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.

Head of Department