



Mahatma Education Society's

Pillai College of Engineering

Dr. K. M. Vasudevan Pillai Campus, Sector 16,
New Panvel, Navi Mumbai (M.S.) 410206

INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE DEPARTMENT (2019-2020)

(Provide information for last A.Y. 2019-2020)

1. Name of the Department: Department of Applied Science, Mathematics and Humanities and First Year
2. Year of establishment: 2000
3. Programmes offered:
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
No Certificate/ diploma program introduced.					

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

Year	Name of Teacher	Name of the body in which full time teacher participated	RELEVANT LINK
2019-20	Dr Manju Pillai	Member of BOS/ Syllabus setting	https://drive.google.com/drive/folders/1kLcsEzyAIGF-QJjOZptvWQuAiskRZbIL?usp=sharing

2019 -20	Dr Mahendra Khandkar	Syllabus setting	https://drive.google.com/drive/folders/1kLcsEzyAIGF-QJjOZptvWQuAiskRZbLL?usp=sharing
2019 -20	Dr. Sachin S Wani	Syllabus Setting	https://drive.google.com/drive/folders/1kLcsEzyAIGF-QJjOZptvWQuAiskRZbLL?usp=sharing
2019 -20	Dr. Sachin S Wani	Paper Setting	https://drive.google.com/drive/folders/1kLcsEzyAIGF-QJjOZptvWQuAiskRZbLL?usp=sharing
2019 -20	Archana Ingole	Paper Setting	https://drive.google.com/file/d/12PuR1ZuBo5N0YfldYwVuQaEedgv3mJzx/view?usp=sharing
2019 -20	Dr. Snigdha Saxena	Chairman & Paper Setting	https://drive.google.com/drive/folders/1kLcsEzyAIGF-QJjOZptvWQuAiskRZbLL?usp=sharing

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
Engineering Chemistry I	FE ALL BRANCHES	ALL BRANCHES	FEC103	2019-20	https://drive.google.com/drive/folders/1

Engineering Chemistry II	FE ALL BRANCHES	ALL BRANCHES	FEC203	2019-20	nYVNJc4h7y = pe_3wg5AJy CCIO5VI3py L?usp=sharing ng
Basic Electrical Engineering	FE ALL BRANCHES	ALL BRANCHES	FEC203	2019-20	
Engineering Physics I	FE ALL BRANCHES	ALL BRANCHES	FEC203	2019-20	
Engineering Physics II	FE ALL BRANCHES	ALL BRANCHES	FEC203	2019-20	
Professional Communication and Ethics I	FE ALL BRANCHES	ALL BRANCHES	FEC206	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
		Not applicable.			

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

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
2019-20	Coursera Courses	Certificate	No of Students :- 115(Courses completed 367
2019-20	NPTEL	Certificate	384

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

SN	Name of the value added 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
Nil						

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

Program name	Program code	No of students undertaking field projects / internships	Link the relevant document
FE	All Branches	15	https://drive.google.com/drive/folders/1XHxHQQ5V_BDOhF93qXL3Aup2jvgUdJbk?usp=sharing

11. 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	FE	Find it difficult to Illustrate the knowledge of Fermi level in semiconductors and applications of semiconductors in electronic devices.	Will be taken in coming semester	
	Students	FE	Difficulty in Illustrating the basic knowledge of superconductors and supercapacitors.		
	Students	FE	Illustrate the knowledge of engineering materials and applications.		
	Teacher	Engineering Chemistry -I	Introduction of Molecular orbital theory instead of Composite material and lubricants is not justifiable. These were the current topics which have been sacrificed		https://docs.google.com/spreadsheets/d/1MCBhzFdo8kYAKNVYEAWv2aagrFo152U2zN9S

			for Atomic structure aromaticity and MOTThe need of time to include in chemistry is Material research related topics.		74dwt0A/edit#q id=1974839862
		<i>Engineering Chemistry -I</i>	The new topics introduced in the syllabus based on AICTE curriculum do not actually interpret the relevance of the subject in industry. This gap must be bridged by introducing topics that can relate the subject to industry.		
		<i>Engineering Mathematics I</i>	Scilab Batchwise Practicals can be included. Expansions of functions by standard expansion can be dropped. Matrices properties can be dropped. Introduction to eigenvalues can be included.		
		<i>Engineering Physics-I</i>	More lecturing time is needed to cover the entire syllabus.		
		<i>Basic Electrical Engineering</i>	The number of lectures per week can be increased to 5		
		<i>Engineering Mechanics</i>	designing of Experiment setup as PBL		
		C programming	File topic should be added in syllabus of c programming.		
		Professional Communication and Ethics- I	MLA and APA referencing styles seem to be irrelevant for first year students, it could be in third year.		

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
2019-2020	23	-	

13. Total number of students admitted in the department:

Year	Program name	Program Code	Total Number of Seats Sanctioned	Total Number of students admitted
2019	Automobile Engineering	320760210	60	33
2019	Computer Engineering	320724510	120	131
2019	Electronics Engineering	320737610	90	22
2019	Electronics and telecommunication Engineering	320737210	120	90
2019	Information Technology	320724610	120	117
2019	Mechanical Engineering	320761210	120	102

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
	2019-2020				14	1	63	391	26

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

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

Slow Learners - Study Camp , Use of calculators, Blended learning

Advanced Learner - Application oriented approach in batches of study camp
Designing different levels of questions in tutorials for Engineering Mathematics.
Extra efforts taken by allocating additional teachers for slow learners.

Doubt solving session was added in the time table and teachers were identified in classrooms

Online Lectures conducted for ATKT Students.

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
2019	495	NA	27	NA	1	

(To be verified by Pragnesh Sir)

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

Designation	Sanctioned	Filled
Professor	4	4
Associate Professor	7	7
Assistant Professor	16	16
Total	27	27

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

Year	Total No. Full time teachers	No. of teachers with PhD
2019-2020	27	11

19. 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	1	Kamini Chaudhari (Selected for Avishkar 2019, KBCNMU, Phase-II: University level)	https://drive.google.com/drive/u/0/folders/10Bsv3uolv0WLO_vkIXCA_F_Y_hFjvr8N2

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

Year	No. Of Full time Teachers	No. of teachers from other states
2019	27	10

21. Details of examination related grievances received if any. No grievance received

22. Adherence to the academic calendar: The first year has an academic calendar for Odd and Even Semester which is prepared at the commencement of Semester. The calendar is discussed among the staff members and approved by the Principal.

The progress is reviewed in the Department Interaction and actions are initiated to comply with the syllabus and to ensure effective learning of the student.

SEM-

<https://drive.google.com/file/d/149EDhvnyiseiIvTstCMoiPjznTwjIOTe/view?usp=sharing>

Modified For month of

November: https://drive.google.com/file/d/1SvdC8GINUktXo7jFaELWar43b_2M9JBo/view?usp=sharing

SEM-II <https://drive.google.com/file/d/1SEUmBHOGKv1-oXCGNKYERXOWUWjsCR1a/view?usp=sharing>

23. Attainment of Programme outcomes, Programme specific outcomes and course outcomes: <https://docs.google.com/spreadsheets/d/1HwDcYxss9ehc4YFkfdcJ0ZgzwNuogPl-6BladFxWg-M/edit?usp=sharing>

24. Result Analysis:

Program Code	Program Name	Level/Semester	Number of students appeared in the exam	Number of students passed in the exam
320760210	Automobile Engineering	SEM-I(DEC 19)	31	12
320724510	Computer Engineering	SEM-I(DEC 19)	128	88
320737610	Electronics Engineering	SEM-I(DEC 19)	21	10
320737210	Electronics and telecommunication Engineering	SEM-I(DEC 19)	87	41
320724610	Information Technology	SEM-I(DEC 19)	114	72
320761210	Mechanical Engineering	SEM-I(DEC 19)	99	56

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/ Endowment s, 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
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1	MRG	Dr. Surabhi Dr Manju Pillai	ASMH	2019-20	40,000/-	6 Months	Mumbai University	Government	https://drive.google.com/file/d/1a-4WCkcPZ56Cj84G8KUoJI7EMNwHaaH/view
2	MRG	Archana Ingole	ASMH	2019-20	25,000/-	6 Months	Mumbai University	Government	https://drive.google.com/file/d/1a-4WCkcPZ56Cj84G8KUoJI7EMNwHaaH/view
3	UGC_DAE- CSR Mumbai Collaborative Research Scheme	Dr Deepali S and Dr PS Goyal	ASMH	April 2020- 2021	45,000/- Per Year	03 year	UGC_DAE- CSR Mumbai	Government	https://drive.google.com/file/d/1vxgaL7hL8MG8PZvklUPS9317usE33p42/view?usp=sharing

26. Details of the teachers recognized as research guides:

SN	Name of teachers recognized as research guides	PG / PhD Recognition	Department	Year of Recognition
	NA			

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

SN	Year	Name of the workshop/ seminar	Date From – To	Activity(IPR/Industry-Academia Innovative practices)
1	2019-20	Curriculum Development with learner centric approach(Faculty Coordinator-Dr.Arun Pillai)	10th June -14th June 20	Academia Innovative practices

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
1	Dr. Sundeep Deulkar (saisundeep@mes.ac.in)	Grant under students co-curricular activity scheme	PCE Research Fund

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
1	Adjunct Octagonal Array Token Petri Nets	Kuberal S.	ASMHE	International Journal of Recent Technology and Engineering (IJRTE)	2019-20	ISSN: 2277- 3878, Volume-8 Issue-4	https://drive.google.com/file/d/1oU9VAX3ZC1HskZstjfx4Kb_i76GtIVY5/view?usp=sharing
2	Adjunct Octagonal Array Token Petri Nets	Dr Anshu Muraka.	ASMHE	International Journal of Recent Technology and Engineering (IJRTE)	2019-20	ISSN: 2277- 3878, Volume-8 Issue-4	https://drive.google.com/file/d/1oU9VAX3ZC1HskZstjfx4Kb_i76GtIVY5/view?usp=sharing
11	Thermoelastic modelling of a Rectangular Plate under the Hyperbolic Heat Conduction with an internal heat source,	Kamini k Chaudhari	ASMHE	Int. J of Mechanical and Production Engineering Research and developmen t	2019-20	2249-6890 Vol 9 issue 6	http://www.tjprc.org/viewpaper.php?id=12194
12	Thermoelastic Response of a Rectangular Plate under Hyperbolic Heat Conduction Model in Differential Transform Domain	Kamini k Chaudhari	ASMHE	Int. J of Engineerin g and Advanced technology	2019-20	2249-8958 Vol 9 issue 4	https://www.ijeat.org/wp-content/uploads/papers/v9i1/F9047088619.pdf

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	Dr Manjupillai	Engineering Chemistry II	-	-	Text Book	National	2019-20	978-81-940267-3-0	Pillai College Of Engineering	jamnad as publication	https://drive.google.com/file/d/1QSF3b5CjSyjs54WVuiVkJkY5FkFknO3W/view?usp=sharing
2	Dr B Panda	Engineering Chemistry II	-	-	Text Book	National	2019-20	978-81-940267-3-0	Pillai College Of Engineering	jamnad as publication	https://drive.google.com/file/d/1pOKuV0OPIQbnXazI10aV88MZu3YAf74d/view?usp=sharing
3	Suvarna Haridas Gaikwad	Numerical and Statistical Methods	-	-				978-93-89460-97-1		Tech-Neo Publications Pvt. Ltd.	https://drive.google.com/file/d/19Yv6Ng4QeeBJshXlu04YyBZXEowArPI1/view?usp=sharing
4	Dr Manjupillai	Engineering Chemistry I	-	-	Text Book	National	2019-20	978-81-939956-9-3	Pillai College Of Engineering	jamnad as publication	https://drive.google.com/file/d/1pOKuV0OPIQbnXazI10aV88MZu3YAf74d/view?usp=sharing
5	Dr B Panda	Engineering Chemistry I	-	-	Text Book	National	2019-20	978-81-939956-9-3	Pillai College Of Engineering	jamnad as publication	https://drive.google.com/file/d/1pOKuV0OPIQbnXazI10aV88MZu3YAf74d/view?usp=sharing

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

1. Plastic Collection Drive (5th Oct 2019)

2. Mini Marathon organised in association with Panvel Municipal corporation on 14th Dec 2019 with a vision of “Pollution free city”.

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
1	Plastic Collection Drive	Financial Support to organised the programme	Indian Center for Plastic in Environment	2019-20	Dr.B.Panda

33. Details of extension and **outreach** Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc.:(More Sir)

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

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	Essay Writing	Women Development Cell,Pillai College of Engineering	NA	March 2020	20

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
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1	Internship	Jatin Chaudhari Ekeeda, Lower Parel	2019-20	24/12/2019 to 21/01/2020	https://drive.google.com/file/d/1UIFhqSdU2y2lyk7YZqcAFIbeQKwxjLE/view?usp=sharing
2	Internship	Pratik Kamble Ekeeda, Lower Parel	2019-20	24/12/2019 to 21/01/2020	https://drive.google.com/file/d/1Prv9RouwBFna9v2EM81LzXJAShL7QBxt/view?usp=sharing
3	Internship	Onkar Prakash Mali Branding and Designs Bureau of Scyara Antiliz Private Limited.	2019-20	24/04/2020 to 24/06/2020	https://drive.google.com/file/d/1M6zzbeEbrpWq_0BudXODkhUqPthq6AGT/view?usp=sharing
4	Internship	Dnyaneshwari Mohod Herody, Image Creative Education Private Limited	2019-20	2 months	https://drive.google.com/file/d/1rgPNPw1EtJE2KBFLUjdn_Zzo4JhS42e3/view?usp=sharing

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
1	M/S RIGHTSOL		2018-19			

	PTE LTD.					
2	L & T training Madh Island Mumbai		2018-19	3 yrs	Joint Research Project, Faculty Training Programme	No of Teachers:2
3	Biocrux Private Limited		2018-19	3 yrs	Plastic Collection Drive	No of Students:605 No of Teachers:24
4	Indian Center for Plastic in Environment		2018-19	3 yrs	Plastic Collection Drive, Webinar on Role of Plastic	No of Students:698 No of Teachers:46

37. Details of departmental infrastructural & other facilities:

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

38. Student – Computer ratio:

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

39. 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
Articulate storyline authoring tool (Sundeeep Deulkar)	Title of video: <u>Use of Projector as a Spectrophotometer</u> Link of video: https://www.youtube.com/watch?v=Xg1e9rY1JLw
Double Integration(Archana Ingole)	https://youtu.be/640j-Bn4zZA
Change the Order Of Integration-1(Archana Ingole)	https://youtu.be/HDWkVQ_Mo68
Change the Order of Integration-2(Archana Ingole)	https://youtu.be/vd05oMk9g5o

Change The Order of Integration-3(Archana Ingole)	https://youtu.be/Z4GLecsGfb4
Triple integration-1(Kamini Chaudhari)	https://youtu.be/zqQuhHILOhg
Triple integration-2(Kamini Chaudhari)	https://youtu.be/t7Et6NhXPVs
Numerical integration(Lilly Pradhan)	https://youtu.be/VUPvoFk41Nk
Evaluate the integral over the regions cartesian form(Lilly Pradhan)	https://youtu.be/T_N5qLRZ6AQ
Evaluate the integral over the regions polar coordinate(Lilly Pradhan)	https://youtu.be/4gi9wzShO9Y
Double integration- Change the order of integration and evaluate(Lilly Pradhan)	https://youtu.be/uw10R0wz9i0
Double integration-Cartesian to polar form(Lilly Pradhan)	https://youtu.be/BOn0ISBGp2I
Introduction to Double integration(Sneha Jondhale)	https://youtu.be/N_LjO5bGhq0
Double integration over the region(Sneha Jondhale)	https://youtu.be/cfJjK-jU_6w
Examples of Double integration over the region(Sneha Jondhale)	https://youtu.be/9iP9Fs91alc
Change the order of the integration(Sneha Jondhale)	https://youtu.be/ZkJ6KiqBoME
Double integration in polar form(Sneha Jondhale)	https://youtu.be/QvGNuKLXECI
Double integration by converting cartesian coordinates to polar coordinates(Sneha Jondhale)	https://youtu.be/Xjun4YDjj6E
Double integration by converting polar coordinates to cartesian coordinates(Sneha Jondhale)	https://youtu.be/5w_EoNUdGGU

40. Details of maintenance of laboratory and classrooms:

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

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
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VJNT	2	7		
OBC	14	40		
SBC	2	5		
SC	4	10		
EBC	12	50		

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

Name of the scheme with contact information	Number of students benefited by non-government schemes
Academic Advance Scheme	495
Felicitation of Toppers	23
F.E ETRX Admission	1
Total	519

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

Name of the capability enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Language Lab	2019-20	495	Department ASMH
Training on Arduino	2019-20	495	PCE / Spoken Tutorial By IIT Bombay
Training on Virtual Labs	2019-20	495	IIT Bombay

Scilab Programing	2019-20	495	Spoken Tutorial By IIT Bombay.
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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
		Not Applicable

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

Number of students attending VET	Total number of students
0	

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
Nil	Nil	Nil

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
Not Applicable			

48. Details of the students going for higher education:

Number of students enrolling into higher education	Program graduated from	Department graduated from	Name of institution joined	Name of program admitted to
Not Applicable				

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	
Not Applicable									

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
University champion Trophy	University level	Handball	Rubin Sajan	01	2019PC0323
University champion Trophy	University level	Handball	Aditya Khilare	01	2019PC0165

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

- 1) PCE Nature Club
- 2) FE Student representative in Student Council

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

Sr. No.	Name of the activity	Event Date
1	FE Interdivision Sports Event	13-14 Feb 2020
2	Yoga Day	14-17 Oct 2019
3	First Year Makers Day	17 August 2019
4	Science Exhibition	7 March 2020
5	Freshers Day	20 Sept. 2019
6	Makerthon	13 Nov 2019
7	Mathematics Quiz	23 Sep 2019
8	Placement Cell Induction Seminar	August 2019
9	Concept based Teachers Training in Physics	25-26 July 2019
10	Making GD more meaningful	10 August 2019
11	FE Induction Ceremony	31 July 2019

53. Details of the contributions of alumni in the development of the department/ institution through financial and non financial means:**Not Applicable**

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

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)
<u>1</u>	Dr. Sachin S. Wani	AAJPW7095A	FDP on Scilab	NA	200
<u>2</u>	Dr. Anshu Murarka	AFGPA9339B	FDP on Scilab	NA	200
<u>3</u>	Prof. Archana L Ingole	AAUPI0640Q	FDP on Scilab	NA	200
<u>4</u>	Prof. Kamini K Chaudhari	AHFPC1252L	FDP on Scilab	NA	200
<u>5</u>	Dr. Kuberal S.	CWYPK8979A	FDP on Scilab	NA	200
<u>6</u>	Prof. Neethu P	CKZPP9003M	FDP on Scilab	NA	200
<u>7</u>	Prof. Lilly P	BPYPP7720N	FDP on Scilab	NA	200
<u>8</u>	Prof. Sneha J	BLJPJ1332B	FDP on Scilab	NA	200

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 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	FDP on Scilab		11 to 15th May,2020		400(PCE-37)	0
2	Best Practices and Strategies for Effective Online Teaching		27th May 2020		137	2

3	Workshop on Curriculum Development with Learner Centric Approach		10-14th June,2020		116	2
4	workshop on Assessment Tools		25 to 26 th June,2020		116(PCE-30)	0
5	Mathematica and Applications of Mathematics		27 to 29 th June 2020		874(PCE-14)	0
6	Webinar on Role of Plastic in Pandemic		27th June 2020		41	4
7	Fun With Mathematics		5th May 2020		2602	
8	Fun with Physics		15 May 2020		700(PCE-10)	NA
9	Three Day Online Conference on "Proficiency Improvement on Polymer Processing and Advanced Characterization Techniques		1st July-3rd July 2020		17	2

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	STTP on LATEX for Everyone	18 to 20th June, 2020
9	One week faculty development programme on "Scilab" (spoken Tutorial IIT Bombay)	11th to 15th May,2020
1	IIT Bombay and PMMMMNMTT FDP cum Workshop: Effective and Efficient Online Teaching in the Age of Corona A Hands on Workshop including	May 14-16, 2020
1	International faculty development program on Avant-garde Trends in Mathematics organised by Bannari Amman Institute of Technology	17 June to 23 June , 2020

1	IIT Bombay MHRD FDP Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop	16 May 2020
3	STTP on "Trajectories of Professional Development :Harnessing the Power of Business Communication"	15-17 June 2020
1	One week Faculty Development programme on "OPEN SOURCE TOOLS FOR RESEARCH" organised by Ramanujan College University of Delhi & Government of India (Ministry of H R D) under PMMM National Mission on Teachers & Teaching	8th to 14th June, 2020.
1	International FDP on "Digital Teaching and Learning Environment	11 to 13th May,2020
1	One week online FDP on Engineering Education & the industry/; A post covid perspective	1st to 5th June,2020
1	Workshop -"Curriculum Development with Learner -Centric Approach"	10th June to 14th June 2020

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

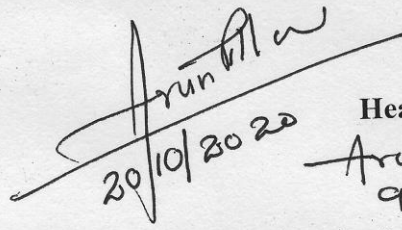
Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Initiative
GATEFORUM Engineering Success	Rs. 20, 000. 00	Two Day Workshop on Concept Based Teacher's Training in Physics 25 th and 26 th July,2019
Tpac Packaging India Pvt Ltd	Rs. 20, 000. 00	Two day Workshop on "Polymer Processing and Characterizations" on 22 nd and 23 rd August 2019
Indian Centre for Plastic in Environment (ICPE)	Rs. 60, 000. 00	Plastic Awareness Program on 5 th Oct, 2019

Biocrux Ind. Pvt. Ltd	Rs. 10, 000. 00	Plastic Awareness Program on 5 th Oct, 2019
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- 58.** Details of quality enhancement initiatives in the academic and administrative domains of the department:
- 59.** Number of gender equity promotion Programmes organized by the department:
All project group in the department put an emphasis on one girl student in each group.
- 60.** Details of the PBL topics floated by the department:
1) Graded Mini Projects (Engineering Physics)
Topics:
(i) I-V characteristics and spectral response of Solar cell
(ii) Characteristics of Optical and Sound Sensors in a mobile phone
(iii) Determination of Numerical Aperture, V-number of a bare core fibre using laser
(iv) Use of photodiode to find beam divergence in a laser beam.
(v) Spectral response of a photodiode.
(vi) Use of a projector as a spectrometer.
- 61.** Initiatives taken by the department to enhance quality of teaching learning process, research and entrepreneurship:
(i) Game based learning sessions conducted and data collected to study the impact of the same on learning concepts in Engineering Physics.

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.


20/10/2020

Head of Department
Arun Pillai
9819110096
prof.arun@mes.ac.in