



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY
Name of the head of the Institution	Prof.S.Velusami
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04362264800
Mobile no.	9944495667
Registered Email	iqac@pmu.edu
Alternate Email	vc@pmu.edu
Address	Periyar Nagar, Vallam
City/Town	Thanjavur
State/UT	Tamil Nadu
Pincode	613403

2. Institutional Status					
University	Deemed				
Type of Institution	Co-education				
Location	Semi-urban				
Financial Status	Self financed				
Name of the IQAC co-ordinator/Director	Dr.R.Jayanthi				
Phone no/Alternate Phone no.	04362264600				
Mobile no.	9944495665				
Registered Email	iqac@pmu.edu				
Alternate Email	registrar@pmu.edu				
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)	https://pmu.edu/iqac/pdf/aqar/AOAR2018-2019.pdf				
4. Whether Academic Calendar prepared during the year	Yes				
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.pmu.edu/about/pdf/calendar-2020.pdf				
5. Accrediation Details					
				Validity	
Cycle	Grade	CGPA	Year of Accrediation	Period From	Period To
1	B	2.49	2009	29-Jan-2009	29-Jan-2014
2	B+	2.66	2015	16-Nov-2015	15-Nov-2020
6. Date of Establishment of IQAC			10-Apr-2009		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		

FDP on IoT	24-Jun-2019 7	15
One week FDP on Additive Manufacturing	11-Jul-2019 7	25
FDP on Effective Teaching Learning Practices	27-Jul-2019 6	44
One Day Workshop on Usage of ICT Tools in Teaching Learning Process	09-Aug-2019 1	16
One Day FDP on Teaching skills	18-Feb-2020 1	9
One Week Workshop & FDP MEP for Architects on Plumbing, HVAC & Fire Fighting Services with BIM Application	24-Sep-2019 5	9
Professional Development Programme on Techno-Pedagogical Skills	06-Jan-2020 1	9
Faculty Workshop on Robotics	08-Jan-2020 1	10
FDP on Safe Disposal of Chemicals	05-May-2020 1	7
One Day Workshop on Scientific Research	18-Feb-2020 1	14
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.A.Anand Gerard Sebastine, Periyar Maniammai Institute of Science & Technology	Childline1098 Nodal Organization, Thanjavur District, TN	Childline India Foundation, Supported by Ministry of Women and Child Development	2019 1095	420000
Dr.C.Narmadha, Periyar Maniammai Institute of Science & Technology	Periyar Community Radio 90.4	SMART-BMGF, New Delhi	2020 122	30000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

- Annual Performance Appraisal conducted
- ISO 9001:2015 Certification on 6.12.2019
- Faculty Induction Programme
- Submission of IIQA 28.12.2020
- Feedback on curricular aspect collected analyze action taken
- Energy Audit and green audit conducted
- Participation of NIRF

[View File](#)

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
Activities of Green Audit	"Energy audit conducted in March 2020. Power Consumption Pattern for the Year 2019-20, Percentage distribution for various buildings, Power Quality Reports and recommendations for energy conservation were provided. Green audit was also conducted in the areas of in the areas of Energy Conservation & Energy saving opportunities, Energy saving opportunities -Renewable Energy Devices, Water Quality and Conservation, Climate Change and Air Quality, Solid Waste Generation and Management, Alternating Building Materials."
Feedback about Quality of Teacher, Infrastructure and Curricular Aspects to be collected and analysed.	Feedback on course, teacher and institution was collected. Appropriate action was taken from the analysis
Innovation Ecosystem to be built in the Institution	PMIST was awarded Five star ranking for the activities of institution innovation council
Increasing the number of Value Added	Number of Value Added Courses conducted

Courses	during 2019 - 20 is 40 Nos. total number of the students enrolled and successfully completed the value added courses is 2026
Organizing Workshops and Seminars in Curricular Aspects and Teaching Learning Process	Organized FDP, workshop and seminars in total 17 Nos. In order to improve the teaching skills of the faculty on the topics Techno Pedagogical Skills, Case Based Teaching Methods and Effective Teaching Learning Practices. Faculty was given exposure on ICT Tools in Teaching Learning Process for conducting online classes effectively during the pandemic period.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Board of Management	28-Oct-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	07-Mar-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	PMIST is using its indigenously developed ERP known as BRAIN (Brilliant Resources for Academic Institution) designed and developed by e-governance team of Periyar Maniammai Institute of Science and Technology (Deemed to be University). PMIST obtained copyrights for this ERP package in the year 2017. BRAIN contains the following modules: 1. Admission Management System 2. Student Information System 3. Academic Management System 4. Financial Accounting System 5. Human Resource Management 6. Hostel Management System 7. Inventory Management System 8. Library Management System 9. Transport
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Management System 10. Visitor Management System 11. Examination System All the activities of the institution are maintained in this BRAIN (Brilliant Resources for Academic Institution) ERP package. PMIST also has Dashboard facility for the institute authorities to view important reports. The package has several important features like automated SMS generation, progress report generation etc., which facilitate in intimating the student's performance to their parents.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BArch	001	Architecture	31/05/2019
BTech	101	Biotechnology	09/06/2018
MPhil	554	computer science	31/05/2019
B.Sc.B.Ed	159	Education	31/05/2019
MSW	901	Social Work	31/05/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BArch	Architecture	08/09/2007	History of Architecture - I XAR101	07/08/2019
BArch	Architecture	08/09/2007	Theory of Architecture I XAR102	07/08/2019
BArch	Architecture	08/09/2007	Architectural Graphics -I XAR104	07/08/2019
BArch	Architecture	08/09/2007	Communication skills XAR105	07/08/2019
BArch	Architecture	08/09/2007	Visual Arts I XAR106	07/08/2019
BArch	Architecture	08/09/2007	Basic design XAR107	07/08/2019
BArch	Architecture	08/09/2007	History of Architecture - II XAR 201	09/12/2019

BArch	Architecture	08/09/2007	Theory of Architecture -II XAR 202	09/12/2019
BArch	Architecture	08/09/2007	Mechanics of Structures - I XAR 203	09/12/2019
BArch	Architecture	08/09/2007	Architectural Graphics -II XAR 204	09/12/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BArch	Nil	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BArch	Architecture	13/12/2014
MArch	Architecture	13/12/2014
PhD or DPhil	Architecture	13/12/2014
BTech	Aerospace	13/12/2014
BTech	Biotechnology	13/12/2014
MPhil	Biotechnology	13/12/2014
PhD or DPhil	Biotechnology	13/12/2014
BTech	Civil Engineering Full Time	13/12/2014
BTech	Civil Engineering part Time	13/12/2014
Mtech	Environmental Engineering-Full Time	13/12/2014
Mtech	Environmental Engineering Part Time	13/12/2014
PhD or DPhil	Civil Engineering	13/12/2014
BTech	Electronics and Communication Engineering	13/12/2014
Mtech	Wireless Communications Full time	13/12/2014
Mtech	Wireless Communications part time	13/12/2014
Mtech	Nano Technology-Full Time	13/12/2014
Mtech	Nano Technology-Part Time	13/12/2014

PhD or DPhil	Electronics and Communication Engineering	13/12/2014
BTech	Electrical and Electronics Engineering-Full Time	13/12/2014
BTech	Electrical and Electronics Engineering-part Time	13/12/2014
Mtech	Power Electronics and Drives-Part Time	13/12/2014
PhD or DPhil	Electrical and Electronics Engineering	13/12/2014
BTech	Mechanical Engineering-Full Time	13/12/2014
BTech	Mechanical Engineering-Part Time	13/12/2014
Mtech	Renewable Energy-Full Time	13/12/2014
Mtech	Renewable Energy-Part Time	13/12/2014
PhD or DPhil	Mechanical Engineering	13/12/2014
BTech	Computer Science and Engineering	13/12/2014
PhD or DPhil	Computer Science and Engineering	13/12/2014
MCA	Computer Applications	13/12/2014
BCA	Computer Applications	13/12/2014
MPhil	Computer Science	13/12/2014
PhD or DPhil	Computer Applications	13/12/2014
BSc	Animation and Multimedia	13/12/2014
BSc	Computer Science	13/12/2014
BSc	Chemistry	13/12/2014
MSc	Chemistry	13/12/2014
MPhil	Chemistry	13/12/2014
PhD or DPhil	Chemistry	13/12/2014
BCom	Commerce - Hons	13/12/2014
BCom	Commerce	13/12/2014
MCom	Commerce	13/12/2014
MPhil	Commerce	13/12/2014
PhD or DPhil	Commerce	13/12/2014
BA	English	13/12/2014
MA	English	13/12/2014
MPhil	English	13/12/2014

PhD or DPhil	English	13/12/2014
B.Sc.B.Ed	Education	13/12/2014
MPhil	Education	13/12/2014
PhD or DPhil	Education	13/12/2014
BSc	Mathematics	13/12/2014
MSc	Mathematics	13/12/2014
MPhil	Mathematics	13/12/2014
PhD or DPhil	Mathematics	13/12/2014
BBA	Business Administration	13/12/2014
MBA	Business Administration	13/12/2014
MPhil	Management Studies	13/12/2014
PhD or DPhil	Management Studies	13/12/2014
BSc	Physics	13/12/2014
MSc	Physics	13/12/2014
MPhil	Physics	13/12/2014
PhD or DPhil	Physics	13/12/2014
MPhil	Political Science	13/12/2014
PhD or DPhil	Political Science	13/12/2014
PhD or DPhil	Periyar Thought	13/12/2014
MSW	Social Work	13/12/2014
MPhil	Social Work	13/12/2014
PhD or DPhil	Social Work	13/12/2014

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Revit Architecture	09/12/2019	293
Design and Analysis Software-ANSYS(CFD)	15/07/2019	15
Design and Analysis Software-CATIA	15/07/2019	22
Design and Analysis Software-AutoCAD	15/07/2019	15
Basics of Aeromodelling	09/10/2019	20
Herbal Therapy products manufacturing	29/07/2019	15
Sketchup	27/06/2019	42
Plumbing Designing Draughting in MEP	28/06/2019	71
Revit Architecture	03/03/2020	75
5D BIM	24/02/2020	67
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BArch	Architecture	371
BTech	Aerospace Engineering	72
BTech	Biotechnology	115
BTech	Civil Engineering	70
BTech	Electronics and Communication Engineering	80
Mtech	Nanotechnology	16
BTech	Electrical and Electronics Engineering	53
BTech	Mechanical Engineering	180
BTech	Computer Science and Engineering	167
MCA	Computer Applications	75
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Periyar Maniammai Institute of Science and Technology collects feedback from the students, teachers, alumni and employers on curricular aspects annually. All the departments obtained feedback by forms during 2019-20. The feedback forms have twelve criteria for students, seven for teacher, eleven for employers and thirteen for alumni. The forms also have provision for general comments and suggestions. Student feedback focus on sequences of courses, distribution of the contact hours, distribution of type of courses, realistic timeline, outcomes, research motives, lifelong learning, horizontal movement. Teacher feedback focus on benchmarking with well-known national and international Universities, compliance to Indian statutory bodies/Councils, employment requirement of the students, time allotted for each course, coverage of latest trends and addressing of local needs, national needs and international needs. Employer feedback covers course arrangement, electives, contemporary requirements and expectations, fundamentals, lab components, all entry-level knowledge and/or skill development in the field, balance between theory and practice, research components, Latest trends and developments in the field are covered, lifelong learning and has better employability. Alumni feedback covers sequence of course arrangement, distribution of the contact hours to cope up with the syllabus, electives offered covering the breadth and depth of the branch chosen, contemporary requirements and expectations to perform in the</p>

work environment, time allotted for each course, skill development in the field, balance between theory and practice, presence of research components, latest trends and developments in the field, method of instruction/delivery (classroom or shop/lab or both) and pre-requisites for all courses. Each criterion is graded in six-point scale where 5 representing excellent, 4 representing very good, 3 representing good, 2 representing fair, 1 representing average and 0 representing poor. The analysis part takes into average score of each criterion and scope for improvement is suggested when the average falls below 4 which is nearly 80. The analysis and action taken report have been presented in the IQAC. Action taken based on the analysis for various programmes which has led to overall development of the institution are summarized below, 1. Addition of software packages in Architecture department 2. Compliance of Council of Architecture guidelines regarding special courses for B.Arch 3. Addition of minor courses in B.Tech Aerospace Engineering covering latest trends. 4. Addition of high end equipment in labs for research in the department of biotechnology. 5. Additional inplant training provisions in Civil Engineering department for B.Tech programme. 6. Special attention for communication skills to B.Tech civil engineering students to make them industry ready. 7. Introduction of Java and Python programming which are demanded by industries as open electives for B.Tech ECE students. 8. Provided feedback to Centre for Industry Interaction of the institute for adding more core companies for placement. 9. Employers of B.Tech Mechanical Engineering graduates recommended E-Vehicle, Product quality Planning courses. Projects were given in these areas. 10. B.Com students were given opportunity to take up coaching classes through Department of Political Sciences for appearing for competitive exams. The results were seen recently in successful placement of our students in various Tamilnadu government jobs.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BArch	Architecture	80	142	80
BTech	Aerospace Engineering	60	31	20
BTech	Biotechnology	60	35	29
BTech	Civil Engineering	60	57	25
BTech	Computer Science and Engineering	60	125	60
BTech	Electrical and Electronics Engineering	60	25	17
BTech	Electronics and Communication Engineering	60	33	20
BTech	Mechanical Engineering	60	72	38
BTech	Aerospace Engineering	6	2	2

	(Lateral Entry)			
BTech	Civil Engineering (Lateral Entry)	24	31	29
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2896	389	86	8	81

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
173	173	150	104	15	16

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentors and Counselors: PMIST has got a robust mentoring system right from its inception. Soon after joining the department of their choice, each student is assigned with a mentor, for monitoring the performance of students. The mentor system helps the students to overcome any difficulty / issues faced in academic and non-academic matters. In addition to the appointed mentors, class-in-charges and professional counselor also provide help in students care. Every student is assigned to a mentor throughout their stay at the campus for study and beyond, for all the help they need. Mentoring sessions are arranged periodically. The students' regularity in attendance is monitored by the mentors and any shortfall or lag is brought to the notice and cautioned to maintain the minimum required percentage of attendance. Likewise the academic performances are also continuously tracked by the mentors and they are constantly mentored to excel in the performance. Any abnormalities/ irregularities/ unwarranted activities observed with the students, the mentors immediately take appropriate corrective and preventive measures, before it becomes too late. Also the students are motivated and encouraged by the mentors and Class-in-charges, to participate in co-curricular and extra-curricular activities such as paper publications, taking up MOOC courses, seminars, symposiums, workshops, sports, NSS, NCC and other cultural activities. Mentor-Mentee ratio of 1:19 is maintained in the campus. Class-in-Charges: Each class of the department is assigned to a faculty as Class-in –Charge, who is also an additional de-facto mentor, but, for the entire class. He/she maintain a constant touch with the students and their parents. Any poor performance either in academic aspects or in attendance the parents are intimated for proper remedial measures. General performances of the students are discussed during parent-teacher meetings. Counseling is carried out with the parents as well. Professional Counselor: If the students need persistently continuous and sustained counseling then the Professional Counselor appointed at PMIST provide appropriate and effective psychological and other form of counseling to tackle such chronic cases. Such students might directly or through the mentors/ class-in-charges approach the professional counselor for any help needed. Mentors even accompany the students when they visit the professional counselors, so that the students feel at home and comfortable. Even the friends and parents are addressed while dealing with such student's counseling and advice, so that the problem is mitigated totally.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
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3274

173

1:19

2.4 – Teacher Profile and Quality**2.4.1 – Number of full time teachers appointed during the year**

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
274	180	94	21	66

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr.L.Jayanthi Kesavan	Assistant Professor	Reviewer-Springer International conference
2019	Dr.D.Jeyasimman	Associate Professor	Reviewer - Journal-Materials Research Express
2019	Dr.Mohammad Danish	Assistant Professor	Editorial Board Member -Science Journal of Chemistry
2019	Dr.Mohammad Danish	Assistant Professor	Mentor-Team ENERGSmart India Hackathon 2019
2019	Ms.S.Krishna	Assistant Professor	Mentor-Team ENERGSmart India Hackathon 2019
2019	Mr.P.Guru	Assistant Professor	Young Educator and Researcher Award
2019	Dr.P.K.Srividhya	Professor	ResourcePerson in International Conference
2019	Dr.K.Kesavan	Assistant Professor	Review Member-Journal of Emerging Technologies and Innovative Research
2019	Mr.K.Muthuraman	Assistant Professor	Best Assistant Professor award
2019	Dr.K.Selvakumar	Assistant Professor	Expert Member-TNPSC

[View File](#)**2.5 – Evaluation Process and Reforms****2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year**

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-	Date of declaration of results of semester-
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			end examination	end/ year- end examination
BCom	151	1	14/12/2019	18/12/2019
BTech	016	1	10/12/2019	12/12/2019
BTech	015	1	10/12/2019	12/12/2019
BTech	012	1	10/12/2019	12/12/2019
BArch	001	1	12/12/2019	18/12/2019
BArch	001	1	12/12/2019	18/12/2019
BTech	011	1	12/12/2019	18/12/2019
BTech	013	1	10/12/2019	12/12/2019
BTech	014	1	12/12/2019	18/12/2019
BTech	101	1	12/12/2019	18/12/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	6628	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://pmu.edu/admission/#>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
151	BCom	Honours	50	50	100
014	BTech	Electrical and Electronics Engineering	18	18	100
001	BArch	Architecture	76	74	97
011	BTech	Civil Engineering	71	68	96
012	BTech	Computer Science and Engineering	53	46	87
013	BTech	Electronics and Communication Engineering	27	27	100

015	BTech	Mechanical Engineering	80	77	96
016	BTech	Aerospace Engineering	15	15	100
101	BTech	Biotechnology	31	29	94
152	BCA	Computer Application	131	131	100

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://pmu.edu/igac/pdf/studentsatisfactionsurvey.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Karthick R	Indian Nanoelectronics Users Program (INUP) award	24/10/2019	Centre for Nano Science and Engineering (CeNSE), IISc, Bangalore

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Research Fellow, Department of Civil Engineering	345	Tamil Nadu State Council for Science and Technology (TNSCST)

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Students Research Projects (Other than compulsory by the University)	365	DBT-BIRAC	1	1
Projects sponsored by the University	365	Periyar Maniammai Institute of Science and Technology	10.79	10.16

		(PMIST)		
Industry sponsored Projects	365	Thennagam, Chennai	0.25	0.25
Industry sponsored Projects	365	Thennagam, Chennai	0.5	0.5
Industry sponsored Projects	365	Thennagam, Chennai	0.25	0.25
Industry sponsored Projects	365	Surya Trading, Chennai	1	1
Minor Projects	547	Tamil Nadu State Council for Science and Technology (TNSCST)	2.2	2.2
Minor Projects	365	Childline India Foundation, Supported by Ministry of Women and Child Development	4.2	4.2
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Discussion on Intellectual Property Rights	PMIST- Insitutue Innovation Council (IIC)	22/07/2019
Seminar on Entrepreneurship Opportunities in Aerospace Sector	Aerospace and PMIST- Insitutue Innovation Council (IIC)	15/10/2019
Sharing Bioclides Business Experience and Challenges	Biotechnology and Chemistry	23/10/2019
Design Workshop on Product Design - Idea to Detail	Architecture and PMIST- Insitutue Innovation Council (IIC)	24/10/2019
Innovation the Way Forward to be Successful Entrepreneur	Department of Management Studies and PMIST- Insitutue Innovation Council (IIC)	25/10/2019
Workshop on Advanced AutoCAD Design for electrical Engineers	Department of EEE and PMIST- Insitutue Innovation Council (IIC)	29/10/2019

Developing the Tradition into the Technology	Biotechnology and PMIST- Institute Innovation Council (IIC)	31/10/2019
One Day Workshop on Start-up Opportunities in Healthcare Telecom Industries	Biotechnology ,Chemistry and PMIST- Insitutue Innovation Council (IIC)	01/11/2019
Entrepreneurship in Tamil Nadu: The Trillion Dollar Dream	CSE and PMIST- Insitutue Innovation Council (IIC)	09/11/2019
Discussion on Intellectual Property Rights and Development - Exclusive for Science Engineering	PMIST- Insitutue Innovation Council (IIC)	25/11/2019
Requirements For Operation Of RPAS / Drones In India	Aerospace and PMIST- Insitutue Innovation Council (IIC)	17/12/2019
Ariviya - Successful start - up in IIT - Madras Research Park Bioincubation Cell	Biotechnology and PMIST- Insitutue Innovation Council (IIC)	25/02/2020
Skill Development Workshop on CNC Turning and Milling for Polytechnic Students	Mechanical and PMIST- Insitutue Innovation Council (IIC)	27/02/2010
Plan for Start - Up, Legal and Ethical Steps	Biotechnology and PMIST- Institute Innovation Council (IIC)	11/03/2020
Innovation - A Career Enhancement Tool for Entrepreneurial Managers	Management studies and PMIST- Insitutue Innovation Council (IIC)	29/12/2020
Intellectual Property Rights	Department of Management Studies	31/12/2020
Online Webinar on MATHEMATICS AS A START-UP IDEA	Department of Mathematics	30/12/2020
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Mind Rain in Thesis Design Competition 2019	Govindraj.B	MindRain thesis 2019	25/06/2019	Student
Five Star recogintion to Institution Innovation Council (IIC)	Periyar Maniammai Institute of Science and Technology	Ministry of Human Resource Development (MHRD)	22/09/2020	Institution
Recognition	Dr. S.	Ministry of	15/02/2020	Teacher

as Ambassador for IPR Technology Transfer and received medal- IIC Innovation Ambassador Training Series	Kumaran	Human Resource Development (MHRD)		
Recognition as Ambassador for Entrepreneurship Training Program and received medal - IIC Innovation Ambassador Training Series	Dr. Mohammad Danish	Ministry of Human Resource Development (MHRD)	15/02/2020	Teacher
Recognition as Ambassador for Design Thinking Innovations and received medal- IIC Innovation Ambassador Training Series	Mr. P. Guru	Ministry of Human Resource Development (MHRD)	15/02/2020	Teacher
Recognition as Ambassador for Pre-incubations Incubation Management and received medal- IIC Innovation Ambassador Training Series	Mr. N. Ramesh Babu	Ministry of Human Resource Development (MHRD)	15/02/2020	Teacher
Ranked as Band B institution - Atal Ranking of Institutions on Innovation Achievements (ARIIA-2020)	Periyar Maniammai Institute of Science and Technology	Ministry of Human Resource Development (MHRD)	18/08/2020	Institution
ISTE Chapter Best Student Award 2019	Ms. N.Manjari Priyadarshini	Tamil Nadu Section of Indian Society for Technical Education (ISTE)	18/12/2019	Student
Best Paper Award in e-Conference	Dr.K.Lakshmi Ms.S.Manjula	E-Conference on Advancements in Science Technology (E-CAST 2020)	22/06/2020	Teacher

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Periyar Technology Business Incubator	Mr. Amirtha Ganesh	Self	Three Dots Innovations	Medical devices	12/09/2020
Periyar Technology Business Incubator	Mr. M. Saravanan	Self	Solar Tech	Solar Cycles, training in solar products service	04/09/2020
Periyar Technology Business Incubator	Ms. Anujakannan	Self	Vimana Labs Private Limited	Custom UAVs Quad captor flying	18/09/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Architecture	1
Biotechnology	5
Chemistry	2
Civil Engineering	2
Computer Science and Application	1
ECE	4
Education	2
Management Studies	6
Mechanical Engineering	3
Political Science (Periyar Thought)	1
Social Work	3

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Aerospace	1	0
International	Architecture	4	0
National	Biotechnology	6	1
National	Chemistry	1	0
National	Civil Engg	3	0
International	Civil Engg	8	0
National	Commerce	39	0

National	CSE	4	0
International	CSE	10	0
National	Education	3	0
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Commerce	1
Education	4
Mathamatics	3
Political Science	10
Management Stuides	10
CSA	2
CSE	3
Civil	2
Biotechnology	2
Architecture	11
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Sequential processing processing hexagonal reactor for bio-degradable hospital waste	Published	201941023830 A	21/06/2019
Mobile Charger	Published	312860-001	08/11/2019
LED Screen	Published	312872-001	08/11/2019
Brushing Instrument	Published	312861-001	26/11/2019
Dustbin	Published	312868-001	30/11/2019
Reactor for Biodegradable Hospital Waste Treatment	Published	307134	21/06/2019
TV Remote	Published	312866-001	26/06/2020
Application of design to television	Published	312862-001	07/01/2020
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as	Number of citations
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					mentioned in the publication	excluding self citation
Semaphore Based Data Aggregation and Similarity findings for Underwater Wireless Sensor Networks	Ruby D, Jeyachidra J	International Journal of Grid and High Performance Computing	2019	1	Periyar Maniammai Institute of Science Technology	2
7A study on practising emerging ICT tools in english language teaching classes and their impacts	Priya, C. Nagarajan, B.	TEST Engineering and Management	2019	3	Periyar Maniammai Institute of Science Technology	Nil
A competent information retrieval in medical subject heading using phrases term weightage based ranking algorithm	Muralidharan, M. Jeyachidra, J.	Journal of Advanced Research in Dynamical and Control Systems	2019	3	Periyar Maniammai Institute of Science Technology	Nil
A hardy wall encrypted system for securing iot device id	Sundarrajan, M. Narayanan, A.E.	International Journal of Recent Technology and Engineering	2019	3	Periyar Maniammai University	Nil
A review on dye reduction mechanism using nano adsorbents in waste water	Kavithayeni, V. Geetha, K. Akash Prabhu, S.	International Journal of Recent Technology and Engineering	2019	3	Periyar Maniammai University	4

A study on factors deciding selection of policies of private life insurance companies among consumers in Thanjavur district	Guru, P. Umamaheswari, D.	International Journal of Recent Technology and Engineering	2019	3	Periyar Maniammai Institute of Science Technology	1
An analysis of rejection rate of a blood bag manufacturing firm with a six sigma perspective	Dinu Raj, S. Snehya, A.V.	International Journal of Recent Technology and Engineering	2019	3	Periyar Maniammai Institute of Science Technology	Nil
An authentication scheme for an iot environment using advanced multiple encryption system	Sundarrajan, M. Narayanan, A.E.	International Journal of Innovative Technology and Exploring Engineering	2019	2	Periyar Maniammai Institute of Science Technology	Nil
Applications of manpower levels for business with various recruitment rates in the system through stochastic models	Arumugam, R. Rajathi, M.	International Journal of Recent Technology and Engineering	2019	2	Periyar Maniammai Institute of Science Technology	Nil
Assessment of various agitation speeds for Co digestion	Santhosh, J. Jayanthi, R.	International Journal of Recent Technology and Engineering	2019	2	Periyar Maniammai Institute of Science Technology	Nil

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Spintronics - A mini review	Chandrasekar, L. Bruno Gnanasekar, K. Karunakaran, M.	Superlattices And Microstructures	2019	6	6	Periyar Maniammai Institute of Science Technology
Diagnosis of coronary artery disease using 1-D convolutional neural network	Swain D, Pani SK, Swain D	International Journal of Recent Technology and Engineering Volume 8, Issue 2, Pages 2959 - 2966 July 2019	2019	6	7	Periyar Maniammai Institute of Science Technology
A Study of Intrusion Detection System using Machine Learning Classification Algorithm based on different feature selection approach	Illavarasundaram, P., Kamachi Sundaram, B.	Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019	2019	6	8	Periyar Maniammai Institute of Science Technology
Chaotic self-adaptive interior search algorithm to solve combined economic emission dispatch problems with security c	Arul Rajagopalan, Padmanathan Kasinathan, Karthik Nagarajan, Vignakumar, Ramachandaramurthy, Velusami Sengodan, Srivasan Alavandar	International Transactions on Electrical Energy Systems Volume 29, Issue 8 August 2019 Article number e12026	2019	6	10	Periyar Maniammai Institute of Science Technology

onstraints						
Molecular targets of fenofibrate in the cardiovascular-renal axis: A unifying perspective of its pleiotropic benefits	Balakumar, Pitchai Sambathkumar, Ramanathan Mahadevan, Nanjaian S. Okkalingam A. Dhanaraj et al.	Pharmacological Research	2019	6	10	Periyar Maniammai Institute of Science Technology
Long-term-durable anti-icing superhydrophobic composite coatings	Rajiv, S., Kumaran, S., Sathish, M.	Journal of Applied Polymer Science	2019	6	12	Periyar Maniammai Institute of Science Technology

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	3	77	Nil	Nil

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Architecture and Civil Engineering	Smart City Project Thanjavur	Thanjavur Corporation	9750
Periyar Consultancy services Civil Engineering Division	Sample analysis	PK Construction, Thanjavur	500
Periyar Consultancy services Civil Engineering Division	Sample analysis	G.Rathinkumar, Thanjavur	25000
Periyar Consultancy services Civil Engineering Division	Sample analysis	Sugam Hospital, Kumbakonam	45000
Periyar Consultancy services Civil	Sample analysis	Sugam Hospital, Kumbakonam	1500

Engineering Division			
Periyar Consultancy services Civil Engineering Division	Sample analysis	M.Ramamoorthy, Orathanadu	500
Periyar Consultancy services Civil Engineering Division	Sample analysis	Yagappa Readymix, Thanjavur	1000
Periyar Consultancy services Civil Engineering Division	Sample analysis	Renew Envio Tech, Thanjavur	25000
Periyar Consultancy services Civil Engineering Division	Sample analysis	V.Smoothi, Perauarni	500
Periyar Consultancy services Civil Engineering Division	Sample analysis	T.Venkatesan Thanjavur	2000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	YRC, PMIST and Thanjavur Medical College Hospital Blood Bank, Thanjavur	3	43
Blood Donation Camp	YRC, PMIST and Thanjavur Medical College Hospital Blood Bank, Thanjavur	3	12

Blood Donation Camp	YRC, PMIST, Thanjavur Medical college Blood Bank, GRMH Blood Bank, Thanjavur.	3	88
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
National Cadet Corps (NCC)	Best ANO-2019-20	NCC Group Headquarters, Tiruchirappalli	1
Youth Red Cross (YRC)	Appreciation for organising Blood Donation camp	Tamilnadu State Blood Transfusion Council Tamilnadu AIDS Control Society	1
Youth Red Cross (YRC)	Appreciation for organising Blood Donation camp	Tamilnadu State Blood Transfusion Council Tamilnadu AIDS Control Society	1
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Consumer Awareness	Tamilnadu State Society for Consumer Protection and Empowerment (TANSCOPE)	Consumer protection rally	2	11
Medical Camp	Centre for Rural Development, PMIST	Health Awareness Meeting and Medical Camp	3	10
Swachh Bharat	Centre for Rural Development, PMIST	Clean India Programme	3	10
Swachh Bharat	Centre for Rural Development, PMIST	Swachh Bharat	3	10
Awareness Programme	Centre for Rural Development, PMIST	Tree Planting Drive	2	20

Swachh Bharat	Centre for Rural Development, PMIST	Swachh Bharat	3	15
Awareness Programme	Centre for Rural Development, PMIST	Tree Planting Drive	2	15
Swachh Bharat	Centre for Rural Development, PMIST	Swachh Bharat	3	20
Awareness Programme	Centre for Rural Development, PMIST	Tree Planting Drive	2	45
Swachh Bharat	Centre for Rural Development, PMIST	Swachh Bharat	3	80

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Academic Development of the student	1	National Institute of Technology, Trichy	120
Academic Development of the student	1	National Institute of Technology, Trichy	120
Academic Development of the student	1	ICAR-SBI Sugarcane Breeding Institute, Coimbatore	120
Academic Development of the student	1	ICAR-SBI Sugarcane Breeding Institute, Coimbatore	120
Academic Development of the student	1	National Research Centre For Banana-Trichy	120
Academic Development of the student	1	ICAR-SBI Sugarcane Breeding Institute, Coimbatore	120
Academic Development of the student	6	nRoot Consultancy, 139/1B, nRoot Residency, Near Air Force Station, Thanjavur	120

Academic Development of the student	2	Micromax Systems Private Limited,	120
Academic Development of the student	2	CSIR - Central Scientific Instruments Organisation, Sector 30, Chandigar, India	120
Academic Development of the student	2	Council of Scientific Industrial Research - Indian Institute of Chemical (CSIR - IICT), Hyderabad	120
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Academic	Project	Council of Scientific Industrial Research - Indian Institute of Chemical (CSIR - IICT), Hyderabad	20/07/2019	16/06/2020	J.Anbarasan, G.Ramar
Academic	Project	CSIR - Central Scientific Instruments Organisation, Sector 30, Chandigar, India	20/07/2019	21/06/2020	Akash Prabhu S, Suganthy R
Industry	Internship	Micromax Systems Private Limited,	27/01/2020	28/02/2020	Yogavarshini.G And Priyadharshini.G
Academic	Internship	nRoot Consultancy,139/1B, nRoot Residency,Near Air Force Station,Thanjavur	02/01/2020	14/03/2020	Priyadharsini.M, Rubeena Thaslima.M, Hemanth Balajii.S, Manjari Priy

					adarsini.N, Raveena.R Sushma.S
Academic	Project	ICAR-SBI Sugarcane Breeding Institute, Coimbatore	02/01/2020	14/03/2020	Vivek Lincoln Singh Munda
Academic	Project	National Research Centre For Banana- Trichy	02/01/2020	14/03/2020	Nagarjun R.K
Academic	Project	ICAR-SBI Sugarcane Breeding Institute, Coimbatore	02/01/2020	14/03/2020	Mohiraa Shafreen
Academic	Project	ICAR-SBI Sugarcane Breeding Institute, Coimbatore	02/01/2020	14/03/2020	Lenita S
Academic	Project	National Institute of Technology, Trichy	02/01/2020	14/03/2020	Annie Celin Therse D.G
Academic	Project	National Institute of Technology, Trichy	02/01/2020	14/03/2020	Amrutha K.K.V
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Child line India Foundation, 2nd floor, Nanachowk Municipal School, Mumbai	20/07/2011	Awarness Programme, Trainning Programme	3214
CADD centre training Services Pvt.ltd 4th floor, Nallayah Complex, 70 , Srinivasan Pillai Road, Thanjavur	19/10/2016	Soft skill training CAD-CFD, Master Diploma in professional AERO CAD AutoCAD	104
Cape Breton University, Canada	02/02/2013	International Conference on ?Combating Climate Change, Saving	180

		lives and Sustainable Development?	
Phoenix International Centre for Skills (PICS) , 52, Radha Mandram , 2nd floor, EVK Sampath Salai, Veepery, Chennai	24/09/2019	Health Care and Hospitality Services Training	7
Centre of Excellence in Manufacturing Sciences, Coimbatore Institute of Technology	14/06/2019	Faculty Develop Programme on Additive manufacturing	25
KEW Education and Institutions Private Limited, Chennai	25/09/2019	Faculty Develop Programme on Additive manufacturing	342
Siemens Centre of Excellence in Manufacturing, NITT	09/12/2019	Industrial Visit to Siemens Centre of Excellence in Manufacturing, NITT	110
R.K.Dewan Co, Dare /house Annexe, No. 44, 4th Floor, 2nd Line Beach, Chennai - 600001	10/09/2015	Filed and received international patent	10
Unique MEP Engineering Academy Pvt. Ltd., (UTA), Aminjikai, Chennai	26/11/2019	A workshop FDP conducted at the Department of architecture on the topic ?MEP for Architects? resourced by the Professionals(5) of Unique Engineering Academy, Chennai during	131
Dr.Mahalingam College of Engineering Technology, Pollachi and Karunya Institute of Technology and Sciences, Coimbatore.	06/08/2015	International Conference on Renewable Energy and Sustainable Environment (RESE-2017)	2

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
150	125.12

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
BRAIN	Fully	V2.16	2005

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	82124	12802621	401	125100	82525	12927721
Reference Books	9102	888263	47	151073	9149	1039336
e-Books	60000	230000	Nill	Nill	60000	230000
Journals	125	2061082	123	421372	248	2482454
e-Journals	205	4400042	205	817401	410	5217443
Digital Database	8000	1023721	2	290406	8002	1314127
Digital Database	500	540119	Nill	Nill	500	540119
CD & Video	1833	201100	Nill	Nill	1833	201100

Others(s pecify)	10	1190635	6	207650	16	1398285
Others(s pecify)	23	58364	23	70322	46	128686
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1206	748	1206	0	100	2828	292	1	38
Added	197	197	197	0	0	0	0	0	0
Total	1403	945	1403	0	100	2828	292	1	38

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
E-Content Management	http://172.20.60.13:83/EContentHomePage.aspx

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
491.8	415.05	380.9	351.94

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

<p>PMIST has systems and procedures for the maintenance and to ensure the optimum utilization of physical, academic and support facilities. The Planning and Monitoring Board which consists of the authorities of the Institute reviews the Maintenance policy. The key points of Maintenance Policy are: The maintenance policy ensures the equipment, machinery and other supporting facilities are being best utilized for physical and academic activities in a</p>
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good working condition and ensure to maintain the clean environment of the entire campus, class rooms, hostels, residential quarters, other buildings, buses and other transport vehicles, equipment/ machine, etc. Organization, Functions and Responsibilities • Estate Office division is functioning with headship of Chief Estate Officer by following well defined procedures. The estate office has skilled manpower to execute the works connected to Civil, Electrical, Mechanical, plumbing, ICT, vehicles maintenance, carpentry, horticulture, etc • Complaints on maintenance can be lodged electronically as well as manually through a unique system of Service Request Forms (SRF)

Utilization and Maintenance of Physical Facilities-classrooms, laboratories and seminar halls Time Table for each Department is worked out based on the academic schedule of the semester which forms into the master timetable for allocation of the physical resources such as classroom, laboratories, library, seminar halls etc. to ensure optimal utilization of the facilities. • All the works and services are carried out only after getting administrative and financial approval through proper channel from the Registrar • The equipments in the laboratory are calibrated annually and Annual Maintenance Contract (AMC) will be executed. • Lights, electrical fittings, electrical gadgets are maintained. Over head water tanks and sumps are cleaned every fortnight. • Institute vehicles are being serviced (mandatory and regular) for the safety and better performance. Procedures for Maintenance of Library Facilities • The arrival of books in library are registered, entered in accession register and then stacked regularly • The stock verification of the library resources are carried out annually • Maintaining relevant records related to periodicals is monitored • The Learning resources are dusted and cleaned up at regular intervals and given chemical treatment for termite control Procedures for Maintenance of Computer ICT Facilities • Maintenance of computers, Printers and other IT peripherals are done by System and Network Administration team which is headed by Chief Coordinator • The team comprises the trained Engineers and technicians for regular maintenance and service Procedure for Maintaining Sports Facilities • The maintenance of sports facilities are carried out by the Physical Director by following the established procedures • The athletic field is maintained by regular fillings through the Estate office to avoid damages caused due to climatic condition • Indoor and Outdoor play fields are repaired as and when the situation arises • Nets, posts, etc. are periodically cleaned, serviced and painted Procedure for Maintaining Hostel Facilities • The room, verandah, rest room areas, Dining halls, tables, Kitchen, storage facilities, Steam boilers, cooking utensils, vegetable cutters, grinders, etc are properly cleaned and maintained

https://pmu.edu/iqac/pdf/Procedures_and_policies_formaintaining_and_utilizing_physical_academic_and_support_facilities.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management Scholarship	1046	19410500
Financial Support from Other Sources			
a) National	Others	14	258000
b) International	0	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Guest Lecture on Employability Skills	24/07/2019	59	Dr.M.Irudhayaraj, Head -HR, Nova Techset Private Limited, Chennai
Skill Test	07/09/2019	243	M/s Hiremee - Online Assessment and Placement Portal
Awareness on Gender Sensitization	09/07/2019	75	Ms. D. Antony Lillypuspam, Counselor, VMCQLER, PMU, Thanjavur
Workshop on Stress management	06/08/2019	78	Ar.G.Sangeetha, Associate Professor, Department of Architecture,NIT, Trichy
A special Lecture on Bio-Safety and Bio-Hazards - Coronavirus- COVID -19	11/03/2020	42	Dr.A.Ashokkumar, Head Assistant professor, Department of Biotechnology, PMIST
Guest lecture on "Career Guidance after Graduating a B.Tech Biotechnology - A Wide Opening	01/07/2019	32	Mr.J.Santhosh, Quality Assurance officer, Bioscience Research
Seminar on "Technology Beyond Gigabit Passive Optical Networks	05/07/2019	27	Mr.A.Sadagopan, Assistant General Manager (Retd.), BSNL, Chennai
Guest lecture on "Industrial Revolution 4.0	18/07/2019	52	Mr.S.SaiVignesh, Buissness Development Engineer, Axis Global Automation Group of Companies, Trichy
Guest Lecture on " Li-Fi Technology	20/07/2019	27	Shri.C.V.Vinod General Manager, BSNL, Thanjavur
Workshop on "Python	24/07/2019	39	Mr.A.Anas, Technical Staff, iSYSWAY Technologies, Thanjavur

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Training for competitive exam (GATE)	191	Nil	2	Nil
2019	Training for competitive exam (TANCET & MAT)	20	Nil	Nil	Nil
2019	Training for competitive exam (CSIR NET)	3	Nil	Nil	Nil
2019	Career guidance program on higher studies in abroad by Mr. John Cockburn, International Marketing Director of Placement Consultants	Nil	77	Nil	Nil
2019	Workshop on hard ware and networking conducted by CMS IT Services Pvt, Ltd, Trichy	Nil	200	Nil	Nil
2019	Guest Lecture on "Higher Studies Opportunities in Abroad" by Lavanya Manoharan, Academic	Nil	40	Nil	Nil

	Head Princeton Re view,Trichy				
2019	Employabil ity skill test conducted by Wheebox (association of AICTE, AIU)	Nil	220	Nil	Nil
2019	Career counselling on "Human Values and Professional Ethics" by Ms. Lilly Pushpam, Counsellor, PMIST, Thanjavur	Nil	32	Nil	Nil
2019	Seminar on "Aerospace Global Job O pportunities "	Nil	58	Nil	Nil
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
M/S MITSUBA SICAL INDIA PVT. LTD, CHENNAI, M/S VERMERIEN REHAB INDIA PVT LTD SRICITY ,ANDHRA PRADESH, M/S CMS IT SERVICE PVT.	1543	346	Nil	Nil	Nil

LTD.,
CHENNAI, M/S
FLEXTRONICS
PVT LTD
CHENNAI, M/S
SURYA
INFOMATICS
PVT LTD, M/S
TVM INFOTECH
PVT LTD, M/S
AMAZON

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	Computer Science Engineering	Idhaya College for Women, Kumbakonam	Master of Business Administration
2019	1	B.Tech	Civil Engineering	Shanmugha Arts, Science, Technology & Research Academy, Thanjavur	M.Tech (Structural Engineering)
2019	1	B.Tech	Civil Engineering	Adhiyamaan College of Engineering, Hosur	M.E (Structural Engineering)
2019	1	B.Tech	Civil Engineering	Solamalai College of Engineering, Madurai	M.E Soil Mechanics
2019	3	B.Tech	Biotechnology	Rutgers University-Camden, New Jersey	MS Biology /Biological Sciences
2019	1	B.Tech	Biotechnology	E.G.S.Pillai Engineering College, Nagapattinam	Master of Business Administration
2019	1	B.Tech	Biotechnology	SRM Institute of Science and Technology, Chennai	Master of Business Administration
2019	2	B.Tech	Biotechnology	Annamalai University, Chidambaram	M.Tech, Food Processing

					Technology
2019	1	B.Tech	Biotechnology	Shanmugha Arts, Science, Technology & Research Academy, Thanjavur	M.Tech, Industrial Biotechnology
2019	1	B.Tech	Aerospace Engineering	Anna University, Chennai	M.E. Aerospace Technology
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
NET	4
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Periyar Annual Cultural Events (PEACE) 2020	Institution	206
KRIYA 2K20 Under Graduate Students Meet	Institution	446
Periyar Memorial State Level Tournament - 2020	State	750
District Level Speech Competition Essay Competition - Periyar - A evolutionary Leader and Humanism Thoughts of Periyar	District	60
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	II Position	National	1	Nil	11901216 2145	B. Praveen
2019	II Position	National	2	Nil	11901115 1213/11901 1153369	M.Abirami & R.Revathi
2019	Silver medal	National	1	Nil	11901215 2593	M. Sathish

2019	II Position	National	Nil	1	11901215 12020	M. Parth asarathi
2019	I Position	National	Nil	1	11901215 12020	M. Parth asarathi
2019	III Position	National	Nil	1	Nil	S. Thilak
2019	II Position	National	1	Nil	11901215 2702	R. Prasanth
2019	III Position	National	1	Nil	11901215 2702	R. Prasanth
2019	II Position	National	1	Nil	11901206 5503	S. Suganthan
2019	I Position	National	1	Nil	11901206 5492	S. Navee nkumar
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

In accordance with the UGC guidelines and Lyngdoh Committee, the student's council at PMIST is elected through elections in a democratic and transparent manner. Every class representative is elected by the respective class students through voting. Equal representation is given to both the genders in the election process and is done transparently. Performance in Curricular, Co-curricular, Extra-curricular and other activities are considered as eligibility criteria for contesting in the election. Chief Election Officer is appointed by the Registrar for conducting the election and for picking up the office bearers of the student's council. Role of the Student's Council

- The Council functions as a bridge between the institute administration and the students.
- Students' council members contribute towards enhancing the quality of academic processes in the institution.
- It supports in conducting various events in the campus, like Periyar Annual Cultural Event (PEACE), Annual sports meet, Open House exhibitions, Science Day and Technical Symposium
- The students' council foot for the additional support required to improve the students' performance.
- Represent in Anti-Ragging committee
- Coordinate in the preparation of Technical papers for Techmag- Institution Magazine
- The Students' council would help in the overall development of student community.
- The bearers of students' council represent in governance of the institute. They represent in IQAC, Board of Studies etc.
- Representation of students in other forums
- Gender Champions Club is formed as per MHRD instructions in the institute. This club organizes various awareness programmes on gender equality issues.
- Hostel Committee members ensure the quality of food and discipline among hostel inmates.
- Each department has its own association in which the student's council office bearers play a major role as office bearers. They help students to actively participate in event committees of conferences, workshops, guest lectures, and seminars.
- The council motivates the students in bringing out their hidden talents by participating in various club and societies. Following clubs and societies are functioning in the institution for providing an opportunity to the diverse student population, trigger scientific skills and hone their leadership skills.

List of Clubs

1. Energy Club
2. Environment Club
3. Humanist Club
4. Photography Media Club
5. Painters Club
6. Public Affairs Club
7. Rationalist Club
8. Citizen Consumer Club

List of Societies

1. Dance and Music Society
2. Debating Society
3. Foreign Language and Culture Society
4. Tamil Mandram

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association known as Periyar Maniammai Alumni Association (PMAA) is a registered society under the Tamil Nadu Societies Registration Act (Regd. No. 35/2015). The registered office of the PMAA is at PMIST campus. PMAA chapters are functioning in various places in the country and abroad. PMIST alumni are spread across various countries and occupy high positions such as IAS, IPS, Defence and are also placed in State Government services as Engineers in PWD, TWAD, TNEB, Public Enterprises and other prominent organisations. A few alumni have also emerged as successful Entrepreneurs, bringing laurels to the nation. The association has an Executive Committee consisting of the following office bearers: PMAA Structure • President • Vice-President • Secretary • Joint-Secretary • Treasurer PMAA is functioning actively with chapters in India and abroad including Singapore Chapter and New Jersey Chapter. It carries out the association activities effectively and efficiently by organizing alumni meet periodically. The PMAA is contributing to its Alma mater both financially and intellectually. The notable contributions are: 1. Financial contribution a. Periyar Chair • The PMAA has instituted "Periyar Chair" in the year 2015 to carry out the following activities: • Dissemination of the philosophy of Thanthai Periyar among the youth. • Carrying out Research and publications in Journals • Organizing seminars / workshops/conferences Periyar Chair is continuously strengthened by benevolent donors for its activities like triggering scientific thinking, encouraging logic, self-respect and rational outlook. b. Contributed towards infrastructure development of the institution. c. Endowments • Alumni of batch (1989-93) have initiated endowment for providing financial assistant to the economically poor students. • Alumni of batch (1990-94) have initiated endowment for award of the institution rank holders. 2. Intellectual contribution The members of PMAA are always on the forefront in helping the younger generation students. They extend a helping hand for all occasions, be it sharing knowledge or financial help. • Provide guidance for career opportunities. • Enable the students to get better placements in renowned organizations in India and abroad • Help the students to pursue higher studies in foreign Universities. • Represent as members in Internal Quality Assurance Cell (IQAC) offer suggestions for the development of the institution. • Participate in Department Advisory Committee and Board of Studies to design, develop and enrich the curriculum, periodically. • Act as resource persons for various events such as Seminars, Conferences and Workshops. • Interact thorough social media platforms for sharing their views, opinions and for encouraging independent thought process • Alumni also help to build and grow the institutions brand through word-of-mouth marketing.

5.4.2 – No. of registered Alumni:

1172

5.4.3 – Alumni contribution during the year (in Rupees) :

450000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet was organized by Department of Architecture on 04.01.2020. Alumni from various places participated in the silver jubilee celebration (1995-2020). Department of Aerospace Engineering organized alumni meet on 10.09.2019 and discussed about the curriculum development and job opportunities. Department of Architecture conducted alumni lecture series during 2019-2020 on Architecture in Singapore, Conservation and restoration of heritage structures, Design thinking in Architecture, Inventing people's place through urban design, what to design and why to design, Acoustics Aural comport in built environment,

Customer satisfaction design, healthy people healthy place and talk on Architecture thesis. Department of Computer Science and Engineering organized alumni webinars on Emerging trends in IT sector on 05.06.2020, How to crack dream jobs and internships after COVID 19 on 09.06.2020, Connecting graduates to corporate world on 12.06.2020, Building a successful career in IT on 25.06.2020 and Skills required for Industry 4.0 on 13.12.2020. Department of Aerospace Engineering organized alumni lecture series during 2019-2020 on Entrepreneurship opportunities in drone industry, How to approach Industries for Internships, Projects and available research opportunities in India and abroad, the things need to learn about space and opportunities on space, Guidelines to on boarding Airline career, etc.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The statutory authorities of the institute enable the administration to provide a robust system of decentralization and participative management. The organization structure of the institute is designed in such a way that the authorities and responsibilities are completely decentralized, yet the decisions are made collectively. The academic management systems such as the Department Advisory Board, Board of Studies and Academic Council provide academic freedom and flexibility. The stakeholders viz. students, parents, industry representatives etc. participate in the process and contribute at every level to desing curriculum and syllabus, across all disciplines. Board of Studies consists of Head of Department, Faculty, External Academician and Industry Representative who meet regularly for reviewing the curriculum and syllabus for regular updation with latest topics, technical advancements, information about newest innovations in alignment with academic industry and societal needs. Academic Council, the principal academic body of the institute consists of Vice-Chancellor ProVice Chancellor, Registrar, COE, Dean Academic, Dean Research, Deans of Faculty, Centre Directors, Heads of Department, who ensure talks and interactions with academicians from other reputed institutes with the students and also for periodical review and approval of the curriculum. The Board of Management (BoM) is constituted as per the UGC norms. The BoM is the decision and policy making body of the institute and it meets periodically for reviewing the functions of the institute, laying down directions on various matters pertaining to the academic, administrative, personnel, financial and developmental matters. The academic administration at the institute is carried out with the participation of Deans of Faculty, Directors of various Centres of Excellence, Heads of Department and Senior faculty members. The decisions related to the academic administration are taken at various levels and implemented scrupulously. The faculty members are empowered in terms of framing syllabus, setting of question papers and assessment. The student / faculty / non-teaching staff represent in the following committees in the academic administration: Board of Studies(BoS) Internal Quality Assurance Cell (IQAC) Course Committee Department Advisory Committee Student Council Club and Society Anti-ragging committee Internal Complaint Committee Gender Champions Club Library Committee Anti Discrimination Cell Staff Welfare Club Women's Forum Beside the student, the parents are represented in IQAC and Department Advisory Committee. The department budget is prepared in consultation with the respective faculty members, Head of the Department and Dean of the Faculty. The proposed budget is submitted to office of the Finance Officer of the institute through the Dean of respective faculty for due approval process. Thus, the Institute has provided financial power to the Heads of Department and Deans of Faculty. This provides freedom to the respective department to raise their requirements for teaching, research and consultancy. The decentralization

process enables the faculty to participate in preparing financial budget of the institute. This practice simplifies the budget preparation which is absolutely transparent, accountable and less time consuming.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Library, ICT and Physical Infrastructure / Instrumentation	Library has a robust system of management, well structured with periodical reviews. The library review committee not only revisits the progress but also follows-up the procurement of books and other reading material as recommended by various authorities. It occupies an area of 2620 sq.m in three floors. It is a member of DELNET, British Council Library, and Tamil University Thanjavur Library. It also has an inter library loan facility amongst the member libraries. It also uses BRAIN software for its administration through e-governing. Wi- Fi and internet facilities are available at the library.
Research and Development	PMIST has got a well-defined Research Policy and Regulations in line with that of the UGC guidelines. Similar policy guidelines are also in vogue for the Consultancy and Project Management., Intellectual Property Rights and Patents Registration, so that the scholars are well versed with such aspects also. PMIST Innovation Council is a highly rated (5 stars) and recognized unit of MIC by MHRD Cell, which boosts the morale of the researchers to take part in all the events of MIC. Projects and consultancy based researches that would take PMIST to a higher pedestal are also encouraged.
Examination and Evaluation	Continuous assessment and general grading in line with the regulations of the statutory bodies are being adopted for the OBE system at PMIST. The questions papers and evaluated answer sheets are vetted by designated external experts, to make the exam system appropriate and effective without any bias or mal-practice. The marks are entered online with the help of BRAIN software with its

own checks and balances. The results are published within 15 days after the end of exams, thus making the entire exam system transparent and error free. Examinations were conducted through online during the COVID-19 pandemic lockdown.

Teaching and Learning

The Teaching-Learning process has undergone a total change with the emphasis shifting from "Teacher Centric" to "Student Centric". ICT applications in the classrooms have become a routine now. The self-learning from the website and the FDP courses strengthen further the faculties' caliber and ability. Virtual learning like Google Classes and net-based studies inculcate the culture of life-long learning. Flipped Classrooms, Mind Mapping, Jig saw, Student-Teacher etc., make the teaching-learning conducive, participative and way ahead with time/in tune with time. During the COVID 19 pandemic lockdown, classes were conducted through online mode.

Curriculum Development

Curricula design is prudently and meticulously taking into account every suggestion in every aspect of teaching - learning process that enhances and enriches the quality of education through the development of knowledge and skills that meet the requirements of the industries and employers. The inputs are revisited and revised by suggestions from all the stakeholders like students, parents, faculties, DAC, BoS, IQAC etc. The curriculum is an integrated balanced structure with inclusivity of practical and theoretical parts adequately giving importance to the expectations for enhanced job opportunities. Value added courses are arranged for the interested for better competitiveness. In addition, Advanced Learners are encouraged to take up online courses like MOOC NPTEL, to get additional credits. Further Open Electives are offered to student to select the course as they like/want.

Admission of Students

In order to improve the students admission ratio, the institution has introduced various types of scholarship schemes for the benefits of the students. Fees waiver is introduced for those who wish to avail our college hostel facility for the girl

	students.
Industry Interaction / Collaboration	Corporate trainers are engaged to impart soft skill to the student. In Plant Training are given to student of all years which has given the industrial exposure. Students are encouraged to collaborate with industries for joint research activities.
Human Resource Management	Orientation programme is conducted to acclimatize the new staff to the institution environment and culture. The requirement of new teaching and non-teaching staff is done to ensure the appropriate manpower has been distributed as per the norms to department. During the COVID-19 lock-down the recruitment is done via online to ensure that the department has adequate teaching staff. Faculties were encouraged to take up online FDP, STTP etc., during the COVID 19 pandemic.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Programme Outcome, Programme Educational Outcome, Programme Specific Outcome been displayed in the institution web site. www.pmu.edu Workload of each department been displayed in the website www.pmu.edu
Administration	With the assistance of BRAIN Software, all administration pertaining to academic and non-academic were carried out using this software. At any moment a report can be retrieved to see the status
Finance and Accounts	All modules of finance and accounts section are handled by the BRAIN software
Student Admission and Support	All the data and details related to Student admission and support are carried out by BRAIN software
Examination	All entries pertaining to Formative Assessment and Summative Assessment are made online and processed using appropriate software. Students use digital mode to remit exam fee and other fees. The daily attendance of students is marked in "BRAIN" software. Automated software are used in analyzing the examination related data and thereby ensuring system is transparent and error-free. The academic records are uploaded into the NAD

Portal and thereby, all the stakeholders can easily access their academic records.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr.P.K.Srividhya, Dr.A.George, Dr.A.E.Narayanan	Nill	Computer Soceity of Inda-Educational Insitution Membership	18880
2019	Dr.D.Jeyasimman	Nill	Indian Soceity of Technical Education - Life Member	3540
2019	Dr.C.Vimala, Dr.A.Sasikala, Dr.S.Buvaneswari	International Conference on Mathematical Methods and Computation, ICOMAC 2020, Jamal Mohamed College, Trichy	Nill	4500
2019	Dr.S.Kumaran, Mr.P.Guru, Mr.Mohamed Danish, Mr.N.Ramesh Babu	Institute Innovation Council, KRISHNA College of Engineering, Coimbatore	Nill	8000
2019	Mr.P.Guru	AICTE sponsored Short term training programme on Pedagogy tools in Engineering and Social Science, PSNA Engineering College, Dindugal	Nill	1574
2019	Mr.S.Dinuraj	Two day workshop on Bharatiya Management	Nill	5000
2019	Ms.S.Manjula	International Conference on Recent Trends in Computing,	Nill	5000

		Communication and Networking Technologies (ICRTCCNT'19) held at Kings College of Engineering, Chennai		
2019	Dr.P.Aruna, Ar.N.Ramesh Babu, Dr.P.Vijayalakshmi	FDP on "Team Building and Managing" Organized by ICT Academy held at Guru Nanak College, Chennai	Nil	7400
2019	Ms.K.Suganthi	AICTE sponsored Short term training course on Pedagogy tools in Engineering and Social Science, PSNA Engineering College, Dindugal	Nil	1548
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Nil	Workshop on Robotics for Technical Assistant	22/01/2020	22/01/2020	Nil	8
2020	FDP on Safe Disposal of Chemicals	Nil	05/02/2020	05/02/2020	7	Nil
2020	One Day Workshop on Scientific Research	Nil	18/02/2020	18/02/2020	14	Nil
2019	One week	Nil			25	Nil

	FDP on Additive Manufacturing		11/07/2019	11/07/2019		
2019	One Day Workshop on Usage of ICT Tools in Teaching Learning Process	Nil	09/08/2019	09/08/2019	16	Nil
2019	One Day FDP on Teaching skills	Nil	11/09/2019	11/09/2019	9	Nil
2019	One Week Workshop FDP MEP for Architects on Plumbing, HVAC Fire Fighting Services with BIM Application	Nil	24/09/2019	28/09/2019	9	Nil
2020	Professional Development Programme on Techno-Pedagogical Skills	Nil	06/01/2020	06/01/2020	9	Nil
2020	Professional Development Programme on Instrumentation Techniques	Nil	07/01/2020	07/01/2020	7	Nil
2020	Faculty Workshop on Robotics	Nil	08/01/2020	08/01/2020	10	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
---	---------------------------------	-----------	---------	----------

Tri-Lateral Course on Promoting access to Medical Technologies and Innovation- A WHO, WTO Executive Course on the Intersections Between Public Health,Intellectual property and trade	1	01/04/2020	06/05/2020	36
Coursera- The science of Success: What Researchers know that you should know University of Michigan-USA	1	24/03/2020	24/05/2020	56
Recent trends in Cyber Security	1	05/02/2020	11/02/2020	7
NPTEL- Technologies for Clean and Renewable Energy Production	1	01/07/2019	30/10/2019	112
ARPIT - Refresher Programme in Teaching	1	01/10/2019	31/01/2020	112
Faculty Orientation Program	31	29/07/2019	03/08/2019	7
NPTEL - AICTE FDP for the Course Project Management	1	01/07/2019	30/10/2019	112
NPTEL- Integrated Waste Management for a Smart City	1	01/07/2019	30/10/2019	112
NPTEL - Consumer Behaviour	2	01/01/2020	30/04/2020	112
NPTEL- Architectural Conservation	1	01/01/2020	30/04/2020	112

and Historic
Preservation

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
197	192	202	202

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Employee Provident Fund Group Gratuity scheme EDLI - Employee Deposit Linked Insurance Scheme Seed money for research Financial support for attending conferences Staff are provided with remuneration for doing consultancy work Reward for publication of quality research papers / patents/ projects/and books LIC Group Insurance Scheme Group Safety Insurance for Staff and Student Round the clock on-campus hospital facilities to cater to the medical requirements of employees and their family members Maternity leave for women employee Flexible time for feeding mother faculty Creche for the young children Residential accommodation in campus on subsidized rent, based on availability Study leave to pursue higher education/Research Causal Leave Earned leave Medical leave Hostel for staff Concession in transport fee for Transport coordinators Concession in the tuition fee for the wards of the faculty Support rendered in terms of financial and medical for the faculty affected with Covid'19 during the pandemic period and Faculty are</p>	<p>Employee Provident Fund Group Gratuity scheme EDLI - Employee Deposit Linked Insurance Scheme LIC Group Insurance Scheme Group Safety Insurance for Staff and Student Round the clock on-campus hospital facilities to cater to the medical requirements of employees and their family members Maternity leave for women employee Flexible time for feeding mother faculty Creche for the young children Residential accommodation in campus on subsidized rent, based on availability Study leave to pursue higher education/Research Causal Leave Earned leave Medical leave Hostel for staff Concession in transport fee for Transport coordinators Concession in the tuition fee for the wards of the faculty and Support rendered in terms of financial and medical for the faculty affected with Covid'19 during the pandemic period</p>	<p>Group Safety Insurance for Staff and Student</p>

encouraged to take up consultancy projects and duly provided with TA / DA / on duty and remuneration.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

PMIST follows structure of accounting and complies with the guidelines recommended by the Institute of Chartered Accountants of India conscientiously. The internal auditors conduct the audit at end of every quarter of the year. The external auditors conduct the in- depth annual statutory audit periodically and cross verify the expenditure with the approved budget. Internal and External Auditors carry out the financial audits in the institute independently. The auditors check on the financial records for its accuracy and proper documentation using the TALLY Software. Institute appoints Internal and External Auditors for examining the financial transactions made in Tally Software of the institution that is within the budget that been approved by BOM. Internal and External auditor's suggestion on finance management is adhered by the institution and followed diligently. Internal audit Internal audits are conducted once in every quarter. Mr.S.Vengadasan, Chartered Accountant, of M/S KSV Associates, Chennai is involved in conducting internal audit during which vouching of bills, random checking and scrutiny of high value bills are done. The audit is generally conducted quarterly and the report is submitted to the institute. The internal audit is used in monitoring the accounting process on a continuous basis. The audit queries thus raised during internal audit are rectified and presented. The following are checked during the Internal Audit:- Cash bills transaction within Institution and external agency Cash voucher transaction and documentation Purchasing and payments made to suppliers Payments made to suppliers, workers and staff Cash flow at the cash counter and its daily transaction. Deposit of cash in Bank External Audit External audits are conducted once in a year. The auditor Mr. R Ramachandran, Chartered Accountant of M/s Ramachandran Murali, Chennai is involved in conducting external audit during randomly check and scrutiny of high value bills. The audit report is submitted to the institute. The external audit is used in checking the accounting process which was recommended and placed in BOM. The following were checked during the external audit:- Rectifying entries made in the account ledgers Ensuring the Bank reconciliation procedure are followed for various e-Transfers Statutory Compliance with regard to TDS, GST, PF Maintenance of adequate supporting documents for payment of donations Recommendation made by the internal auditors and its follow up.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	0
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External	Internal

	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	No	Nil
Administrative	No	Nil	No	Nil

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

No Data Entered/Not Applicable !!!

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1. Parents are members in the Department Advisory Committee and contribute to quality enhancement activities of the department. 2. Parent representative in IQAC and contribute to the quality enhancement of the Institution. 3. Parents are member in Anti Ragging Cell of the Institution and contribute in inculcation of discipline among students

6.5.4 – Development programmes for support staff (at least three)

Staff Development Programme on Desktop Publishing Workshop on Robotics for Technical Assistant and One Day FDP on Master in MS -Office

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1. Outcome Based Education (OBE) is being implemented at the institute from the academic year 2015-16 onwards. It provides a robust framework which emphasizes on setting up a clear standard for measurable outcomes, making education more efficient and effective. A student centric system it enables in improving their attainment levels and paves way for continuous improvement. 2. Technology enabled learning methods are improved for effective teaching-learning environment. Teaching methods such as flipped classrooms and using digital platforms like Google Classroom, Edmodo, MOOC, etc. increase the quality of teaching and usage of ICT skills by both students and faculty members 3. Value added courses and Minor courses are incorporated into the curriculum for enhancing the skills and knowledge in addition to regular courses for making students industry ready. 4. The academic and industry collaboration has been strengthened by signing MoUs with various industries. 5. Establishment of Periyar Chair and Dr. A.P.J. Abdul Kalam Chair for improving research and extension activities

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	No

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	FDP on IoT	24/06/2019	24/06/2019	30/06/2019	15
2019	One week FDP on Additive Manufacturing	11/07/2019	11/07/2019	17/07/2019	25
2019	FDP on Effective Teaching	27/07/2019	27/07/2019	03/08/2019	44

	Learning Practices				
2019	One Day Workshop on Usage of ICT Tools in Teaching Learning Process	09/08/2019	09/08/2019	09/08/2019	16
2019	One Day FDP on Teaching skills	11/09/2019	11/09/2019	11/09/2019	9
2019	One Week Workshop FDP MEP for Architects on Plumbing, HVAC Fire Fighting Services with BIM Application	24/09/2019	24/09/2019	28/09/2021	9
2020	Professional Development Programme on Techno-Pedagogical Skills	06/01/2020	06/01/2020	06/01/2020	9
2020	Faculty Workshop on Robotics	08/01/2020	08/01/2020	08/01/2020	10
2020	Workshop on Robotics for Technical Assistant	22/01/2020	22/01/2020	22/01/2020	8
2020	FDP on Safe Disposal of Chemicals	05/02/2020	05/02/2020	05/02/2020	7
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Awareness Programme on	17/07/2019	17/07/2019	50	74

"Gender Neutrality				
Special Lecture on "Respecting Genders"	22/07/2019	22/07/2019	47	22
Lecture on "Gender Responsibility"	24/07/2019	24/07/2019	31	29
Awareness Programme on "Women Empowerment"	01/08/2019	01/08/2019	41	23
Selection of Gender Champions and Club members	16/08/2019	16/08/2019	20	15
Lecture on "Understanding Genders	24/09/2019	24/09/2019	20	21
Awareness Programme on "The effect of Gender inequality on Health"	04/11/2019	04/11/2019	18	14
Awareness Programme on "Gender Equality, women rights & empowerment"	06/11/2019	06/11/2019	286	Nil
Special Lecture on "Adolescent Issues & Mental Health"	08/01/2020	08/01/2020	77	14
Special Lecture on "Crimes against Women and Girls"	21/01/2020	21/01/2020	24	13

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>LED Lights Purchased During July 2019 to June 2020 Sl.No . Date Watts Nos.</p> <p>Total Watts 1. 03.06.2019 70 1 70 2. 03.06.2019 36 1 36 3. 11.07.2019 36 10 360</p> <p>4. 31.07.2019 24 9 216 5. 17.08.2019 36 8 288 6. 11.12.2019 4 75 300 7.</p> <p>11.12.2019 9 50 450 Total 154 1,720 Total Load of Institute : 406 KW Total Light Load of Institute : 48.72 KW (12 of Total load as per above chart) LED Lights replaced during July 2019 to June 2020 : 1.72 KW (As per the above Table) Percentage of LED lights installed for Last one year : 3.53</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	3
Ramp/Rails	Yes	3
Braille Software/facilities	No	Nil
Rest Rooms	Yes	3
Scribes for examination	Yes	2
Physical facilities	Yes	3
Special skill development for differently abled students	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	17/07/2019	1	Medical camp	Health awareness	100
2019	1	1	18/08/2019	1	Medical camp	Health Checkup	215
2019	1	1	20/08/2019	1	Health Awareness	Cancer Awareness	1300
2019	1	1	09/06/2019	1	Lecture	Disseminating the knowledge of great Indian Leaders to the student community	350
2019	1	1	08/08/2019	1	Lecture	Disseminating the knowledge of great Indian Leaders to the student community	60
2019	1	1	08/09/2019	1	Medical Camp	Health checkup	155
2019	1	1	12/09/2019	1	Lecture		25

			019			Awareness Programme	
2019	1	1	22/09/2019	1	Training Programme	vermicompost	73
2019	1	1	12/10/2019	1	Lecture	Disseminating the knowledge of great Indian Leaders to the student community	200
2019	1	1	30/10/2019	1	Training	Vermicompost	20
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students Conduct And Disciplinary Code	18/06/2018	Code of conduct has been displayed in the website. Monitoring committee has been constituted for creating awareness and implementation of code of conduct among students and staff. Students conduct and disciplinary code has been followed to lay down appropriate rules and regulations to enforce discipline in the Campus. Awareness programmes were conducted for both staff and students. Code of conducts including the dress codes for boys and girls are highlighted in the Academic Annual Calendar. The rules and regulations to be followed by the students for smooth functioning of the institute are also listed in the calendar
Code Of Ethics For Staff	18/06/2018	Dress code and other ethical codes are incorporated in office orders and Byelaws of the Institute.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Awareness programme on "Legal Service to Victims of Acid attacks scheme - 2016"	29/08/2019	29/08/2019	250
Special Lecture Programme on "Indian Constitution and Human Rights"	05/09/2019	05/09/2019	100
Lecture Programme on "Suicide Prevention"	13/09/2019	13/09/2019	80
Lecture Programme on "Emerging Cyber Crime and Need for Information Security"	27/09/2019	27/09/2019	120
Awareness Programme on "Individual Social Responsibility"	24/10/2019	24/10/2019	50
Awareness programme on Technology addiction And its ill effects	24/10/2019	24/10/2019	70
Lecture Programme on "National Identities"	05/11/2019	05/11/2019	40

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

? Use of motor vehicles is restricted inside the campus. All are motivated to use bicycles inside. This reduces pollution in the total area of the Institution. ? All the waste paper generated in the campus is processed in this unit and reused as saleable articles such as files, paper bags, packing materials etc. ? Institution has constructed 220 modular eco toilets in Pillayarpatthi village jointly with District Administration and District Rural Development Agency (DRDA) ? Institution continuously increases its green cover by planting trees. Every year tree saplings are planted by the newly admitted students of that academic year and also by the guests. ? Two student clubs namely Energy Club and Environment Club along with the Centre for Energy and Environment conduct awareness programs periodically among students and the public about energy conservation, water conservation, tree plantation and solid waste management.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

I - INNOVATION AND START-UP ENTREPRENEURSHIP Context: Modern approach of the higher education institutes around the world is innovation and start-ups, which

provide the impetus for growth and a must even for the very sustenance. PMIST is realizing this fact and follows the innovation and start-up as two barreled gun for survival and expansion. Accordingly, the institution provides all that are needed for active innovation through research. The very Motto of PMIST - Think, Innovate and Transform - reflects the culture of converting the ideas into need based projects that up-lift the standard of the society by enriching the quality of life. In order to achieve the promotion of innovation among the students, PMIST has started Institution Innovation Council as per the directions of Ministry of Education. The PMIST's Institution Innovation Council (IIC) encourages and helps the students to work with new and innovative ideas through seminars/ workshop on innovative and entrepreneurship processes and activities. Objectives (Source: Ministry of Education <https://iic.mic.gov.in/assets/html/index.html>) The objectives of the adoption of Innovation as the best practice are: • To create a vibrant local innovation ecosystem. • Start-up supporting mechanism in HEIs. • Establish function ecosystem for scouting ideas and pre-incubation of ideas. • Develop better cognitive ability among students. Process/ Practice: As per the directions, PMIST's IIC has registered with MHRD' (MoEs Innovation Cell) MIC on 21 November 2018 with the number IC 201810657. This provides an opportunity to take part in the programmes and events of MIC that shape and fine-tune the innovation Process. They address and assist with various programmes such as Smart India Hackathon, National Student Start-up Policy, ATAL Ranking of Institution as on Innovation Achievements and in setting up IICs etc. PMIST IIC is headed by Vice Chancellor of the Institution as President, Dean Research as Convener, two senior faculty members as members and 15 students as coordinators along with an expert in IPR, CEO of Periyar Technology Business Incubator and an Industrialist. IIC conducts/ organizes workshops, seminars, and interactive sessions with CEO/industrialists, entrepreneurs, investors etc. IIC also provides a mentor-pool for the innovators. In addition to the faculties and students the research scholars also participate in MIC, AICTE and MHRD sponsored / conducted programmes. Problems Encountered and Resources Required: Innovation cannot be acquired at once. To enhance the efficiency and effectiveness the following areas of improvements could be addressed to: • Innovation activities shall be embedded in the curriculum • Centralized programmes like leadership talk could be fine-tuned to make it better and more successful. • The language of the talk can be English so that it is universally benefitted. • Motivation of the students for innovation should be more aggressive and concerted. • Additional Incentives for more IICs could be an encouragement factor • IICs programmes could be tagged together with that of MIC ones • Increasing the number of competitive events would motivate the innovators • Staying proactive continuously is essential for students to make progress and succeed in their ideas • Use of optimized time for implementing their ideas or goals in to outcome • Getting balanced representatives of experts , faculty and students in the team Evidence of Success: Five hundred students, research scholars and faculties participated in various programmes and events. Students have the opportunity of listening to the talks of great leaders. Innovating thinking has been gradually inculcated among the student community. Students have developed the habit of asking questions, which require ground-work preparation beforehand. Due to this sustained efforts the Start-ups and Incubates will build up in number in the near future. Innovation developments in local eco-system are gradually entering and increasing at the Institute. The Institution Innovation Council at PMIST worked along with Periyar TBI and with other external experts (innovators and entrepreneurs) to achieve the goal of Ministry of Education which resulted in PMIST conferred with 4 stars in 2018 and 5 stars in 2019 for the activities creating Innovation, Pre-Incubation, Start-ups Entrepreneurship, Intellectual Property Rights (IPR), Internship culture in the PMIST campus. It is one among apart top 125, five stars rating Institutions in India and top 51 five stars rating Institutions in

South Zone-SRO. Apart the above mentioned activities, IIC@ PMIST also facilitates students and faculty members to take distance learning courses at World Intellectual Property Rights (WIPO), Geneva, Switzerland. Function of Institution Innovation Council (IIC) at PMIST • To conduct various Innovation, IPR and entrepreneurship-related programmes. • To Identify and share success stories of Entrepreneurs. • To organize periodic Webinars/workshops/Poster Presentations and interactions with entrepreneurs and create a linkage for student innovators. • Creating an Institution's Innovation web page to highlight innovative projects carried out by the faculty and students. • Conducting Hackathons, idea competition etc. with the linkage with industries.

II-Extensive Adoption to MOOC Courses Context This is an era of net-age with/and netizens. Everyone for everything relies on e-based activities. This applies to knowledge acquisition as well. The students and the faculties both not only seek but also enlarge and enrich knowledge by continuously expanding the networks. Hence, it becomes an imperative and compulsion without an option, to provide and facilitate e-learning and e-teaching. This alone would transform the orthodox teacher-oriented teaching to student-centric teaching-learning. Objectives of Extensive Adoption to MOOC Courses as a Best Practice are: ? To expose the students/teachers to the current and additional courses available ? To enlarge their knowledge domain with the vast and up-to-date knowledge that would enhance their self-confidence and self-esteem ? To expand and enrich their self-study skill, attitude with independent approach ? To culture and nurture their reading habits leading to life-long knowledge acquisitions ? To guide them in selecting the courses of their liking that would shape their career/ future The Practice: The Most of the students of PMIST are from rural background and from Tamil Medium schools. Hence, the adoption of MOOC courses is concentrated on the English based ones. Since, they are wards of the poor agriculturists free courses are suggested first, instead of the ones with a fee. The students are advised to complete three courses first before going for five courses. This is to have a level-playing between the slow and fast learners. These Language courses would enlarge and enrich their listening, speaking, reading and writing skills in English. Students not having laptops are advised and encouraged to download and install apps onto their mobile cells, tablets and PC, so that they learn the courses at their own time and place. They are asked to make notes of the lessons for effective participation during interactive discussions with the peers about the courses they had selected/ completed. Incidentally this would help the teacher in assessing whether the student is attentive and listening during the video lecturing. The understanding and grasp of the subject also could be evaluated from it. At the end Certificates are provided to the successful/completed students. Problems Encountered and Resources Required: However, the following constraints are to be tackled with adequate resources for the effective implementation and success of adoption of MOOC courses: ? Since the students are from rural areas they are not quite familiar with online applications/ courses. Hence, Laptops/Tablets/ PCs/ Smart Phones with internet facilities might be provided to them to overcome the handicap of ICT usage. ? Quite often the net-work becomes an impediment for smooth operation. That needs to be addressed properly and set right for enabling the students to complete the courses in time. ? Slow-learners drag the moving bar of each video lecture so as to complete it without listening to it fully. Such students have to be properly instructed and monitored to learn the courses in total. ? All the courses assigned to the faculties have to be completed for assessing the students reliability. The faculties have to constantly follow-up with the students for completion of the courses. ? Downloading and saving certificates take considerable time. The system has to improve to reduce the time taken for the same. Evidence of Success: The usage/adoption of MOOC courses had enriched and enlarged the learning process of the students with improvements as listed below: ? The interest in acquiring additional knowledge through network has increased. ? The

learning of extended courses elated them and put them on an elevated pedestal. They are motivated to learn more and more online courses related to their major subjects. ? The respect of and confidence on the teacher have enhanced and they become mutual between students and teachers. ? The Certificate provided has boosted their respect in the family and society. ? The extended study of MOOC courses has nurtured them for disciplined and structured academic performance. ? As a result the pass percentage of the students has improved with less failures and arrears. ? They have developed the basic norms and etiquettes of questioning and discussions. In short they are thrilled to learn the subjects of their choice at their will at any place and at any time they choose.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://assessmentonline.naac.gov.in/storage/app/hei/SSR/104897/7.2.1_1616132875_5806.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Environment Consciousness ? Since inception in 1988 the scrolling campus of 114.64 acres of arid land has gradually been transformed into a green garden. PMIST offers environmental and energy related services to safe guard the planetearth from disaster. ? Institution is committed to a green policy which includes sustainable development activities like landscaping and vegetation, water conservation, energy conservation, waste management and green building materials like fly-ash bricks. ? Consumption of energy is continuously monitored and water and wastewater qualities are checked. Ways to reduce energy usage are discussed in the IQAC meeting. Promising ideas are implemented subsequently. ? The Biomethanation plant in this Institution is multi feed with the following feeds like Cattle dung, Night soil, Vegetable waste and Food waste. ? The Institution practices Reduce, Reuse, Recycle and Recover philosophy in all its activities. Color coded bins are used in the entire campus to segregate the solid waste. ? Two student clubs namely Energy Club and Environment Club along with the Centre for Energy and Environment conduct awareness programs periodically among students and the public about energy conservation, water conservation, tree plantation and solid waste management. ? Use of motor vehicles is restricted inside the campus. All are motivated to use bicycles inside. This reduces pollution in the total area of the Institution. ? Institution continuously increases its green cover by planting trees. Herbal garden is maintained in the campus. ? The campus has around 4,500 shrubs and plant varieties, 36,820 native trees. Such thick foliage of vegetation absorbs CO2 emission. ? Rainwater as runoff is collected on ground surface in the camps is fed into the collecting sumps and natural ponds located in four different places of the Institution. ? The rainwater thus harvested and collected in the sumps is directly used as irrigation water for lawns by suitable sprinklers ? Ten varieties of Bamboo are cultivated in 10 acres in the institute under the funding of National Mission on BambooApplications (NMBA), Government of India. Bamboo needs one-tenth of the water as compared with paddy cultivation and it has a good retaining capacity of ground water and also the survival of 40 years as a standing crop. Each bamboo clump liberates 850 grams of O2 per day meeting the O2 requirement of a single person per day. ? All the waste paper generated in the campus is processed in this unit and reused as saleable articles such as files, paper bags, packing materials etc. ? The chemicals and solutions from laboratories are neutralized / diluted to permissible waste water disposal standards and flushed out. ? The e-waste generated from computers, electronic gadgets and other nonworking equipment are handed over to the estate office of the institute and then disposed through private authorized collectors. ?

Institution has constructed 220 modular eco toilets in Pillayarpatti village jointly with District Administration and District Rural Development Agency.

Provide the weblink of the institution

<https://www.pmu.edu/campus/zero-carbon.aspx>

8.Future Plans of Actions for Next Academic Year

1. Increasing the number of Number of Value Added Courses 2. Improving the e content of courses by faculty members 3. To provide seed money to faculty members to increase the publications 4. Conducting more number of programmes related to IPR and entrepreneurship through Institution Innovation Council. 5. To increase the number of MoUs and collaborations 6. Encouraging faculty and students to take up more number of MOOC courses 7. Increasing the number of MoUS and collaborative activities 8. Enhancing the ICT facilities for both faculty and students 9. Conducting energy and green audit as per the standards 10. To strengthen the alumni activities 11. Motivating the faculty with awards for their achievements 12. Systematic follow up of the mentoring system