# YEARLY STATUS REPORT - 2020-2021

| 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 its own campus? | Yes |
| • Phone no./Alternate phone no. | 04362264800 |
| • Mobile no | 9944495667 |
| • Registered e-mail | iqac@pmu.edu |
| • Alternate e-mail address | vc@pmu.edu |
| • City/Town | Periyar Nagar, Vallam |
| • State/UT | Tamil Nadu |
| • Pin Code | 613403 |

## 2.Institutional status

| | |
|---|---|
| • University | **Deemed** |
| • Type of Institution | **Co-education** |
| • Location | **Semi-Urban** |
| • Name of the IQAC Co-ordinator/Director | **Dr R.Jayanthi** |
| • Phone no./Alternate phone no | **04362264600** |
| • Mobile | **9944495665** |
| • IQAC e-mail address | **iqac@pmu.edu** |
| • Alternate Email address | **registrar@pmu.edu** |

| | |
|---|---|
| **3.Website address (Web link of the AQAR (Previous Academic Year)** | **https://pmu.edu/iqac/pdf/aqar/AQAR2019-20.pdf** |
| **4.Whether Academic Calendar prepared during the year?** | **Yes** |

## 5.Accreditation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|---|---|---|---|---|---|
| **Cycle 1** | **B+** | **2.49** | **2009** | **29/01/2009** | **29/01/2014** |
| **Cycle 2** | **B++** | **2.66** | **2015** | **16/11/2015** | **15/11/2020** |

| | |
|---|---|
| **6.Date of Establishment of IQAC** | **10/04/2009** |

**7.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 |
|---|---|---|---|---|
| **Nil** | **Nil** | **Nil** | **Nil** | **Nil** |

| | |
|---|---|
| **8.Whether composition of IQAC as per latest NAAC guidelines** | **Yes** |
| • Upload latest notification of formation of IQAC | **View File** |
| **9.No. of IQAC meetings held during the year** | **3** |
| • The minutes of IQAC meeting and compliance to the decisions have been uploaded on the | **Yes** |

| | |
|---|---|
| institutional website. (Please upload, minutes of meetings and action taken report) | |

| | |
|---|---|
| **10. Whether IQAC received funding from any of the funding agency to support its activities during the year?** | **No** |
| • If yes, mention the amount | |

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

1. Submitted SSR to NAAC for third cycle of accreditation and completed peer team visit 2. Training faculty members for online Teaching Learning and Evaluation 3. Faculty Induction Programme "GURUDHAKSHITA" was organized 4. Feedback on Curricular Aspects were collected, analyzed and action taken 5. Energy and Green Audit conducted

**12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year**

| Plan of Action | Achievements/Outcomes |
|---|---|
| Increasing the number of value added courses | No of value added courses conducted – 32 |
| Improving the e content of courses by faculty members | e content of the courses increased |
| To provide seed money to faculty members | Seed money was sanctioned to faculty members |
| Conducting more number of IPR and entrepreneurship through Institution Innovation council | Programmes were conducted on IPR and entreprenuership |
| To increase the number of MoUs and colloborations | Five MoUs were signed |
| Encouraging faculty and students to take up more number of MOOC courses | More number of MOOC courses were taken up by students and Faculty |
| Enhancing the ICT facilities for both faculty and students | Media lab established |
| Conducting Energy and green audit as per the standards | conducted energy and green audit |
| To strengthen the alumni activities | More number of alumni lecture series conducted |
| Motivating the faculty with awards for their achievements | Faculty were motivated with incentive and awards for their publication and achievements |
| Systematic follow up of the mentoring system | Mentoring system was effectively implemented |

| | |
|---|---|
| **13. Whether the AQAR was placed before statutory body?** | **Yes** |
| • Name of the statutory body | |

| Name | Date of meeting(s) |
|---|---|
| Board of Management | 15/03/2022 |

| 14.Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning? | Yes |
| --- | --- |

**15.Whether institutional data submitted to AISHE**

| Year | Date of Submission |
| --- | --- |
| 2020-2021 | 11/03/2022 |

| Extended Profile |  |
| --- | --- |
| **1.Programme** |  |
| 1.1 <br><br> Number of programmes offered during the year: | 69 |
| 1.2 <br><br> Number of departments offering academic programmes | 19 |
| **2.Student** |  |
| 2.1 <br><br> Number of students during the year | 3702 |
| 2.2 <br><br> Number of outgoing / final year students during the year: | 996 |
| 2.3 <br><br> Number of students appeared in the University examination during the year | 996 |
| 2.4 <br><br> Number of revaluation applications during the year | 0 |
| **3.Academic** |  |
| 3.1 <br><br> Number of courses in all Programmes during the year | 1326 |
| 3.2 <br><br> Number of full time teachers during the year | 186 |
| 3.3 | 271 |

| | |
|---|---|
| Number of sanctioned posts during the year | |
| **4.Institution** | |
| 4.1<br><br>Number of eligible applications received for admissions to all the Programmes during the year | 1701 |
| 4.2<br><br>Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | 1159 |
| 4.3<br><br>Total number of classrooms and seminar halls | 119 |
| 4.4<br><br>Total number of computers in the campus for academic purpose | 1403 |
| 4.5<br><br>Total expenditure excluding salary during the year (INR in lakhs) | 513.64 |

## Part B

## CURRICULAR ASPECTS

### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

The institute offers a wide spectrum of programmes from Architecture, Engineering, Sciences, Humanities, Arts, Languages and Education. The programmes are designed based on Outcome Based Education. The Programme Outcomes are derived from statutory bodies provided Graduate Attributeswhen available. POs are also aligned to Programme Educational Objectives (PEOs) which are derived from institute Vision and Mission. The main vision of the institute is of global dynamism and it is aligned in the process of framing POs.

Each programme has Programme Specific Outcomes (PSOs) concentrating on the national need. In addition, programmes also offer courses relating to the local needs. Mapping of courses with POs to ensure the coverage of syllabus addressing the global, national, regional and local needs is meticulously done for every programme.

Curriculum and Syllabus framing follows OBE and Choice Based Credit Systems/Elective System. Model syllabus and guidelines for programmes defined by the statutory bodies. The OBE system giving the POs and COs dictates the choice of courses.

Additional document attached has COs, POs of all programmes offered along with examples of implementation POs related to local, regional, national and global needs. The additional document has also a flow chart for syllabus revision.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

## 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

2

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

## 1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

## 1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

1177

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

## 1.2 - Academic Flexibility

## 1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

63

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

## 1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

62

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

## 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

PMIST includes sustainable development, Universal values, Self-respect, Gender equality, Dignity and Ethics.Various

departments of PMIST have offered 106 courses on Professional Ethics, Gender, Human Values, Environment and Sustainability during 2020-21. Out of the 106 courses, 55 are distinct to each other. From the additional document attached for this metric, it can be concluded that all department have offered such courses. The mission statements of Courses such as environmental studies/engineering, human ethics,values, rights and gender equalityand Disaster Management was offered across all programmes.

UGC quality mandate "Mulyapravah - inculcation of Human Values and Professionals Ethics in Higher Educational Institutions" is implemented in the institute. As per the recommendation of AICTE, introductory input in Universal Human Values (UHV-I) course is included in the Student Induction Programme from academic year 2018-19 onwards. Similar courses such as Indian Constitution and Essence of Indian traditional knowledge is added to B.Tech curriculum for appreciating Indian values.

It is also seen that each programme/department has introduced specific courses related to this metric. As an example, department of architecture has introduced 21 courses of which energy efficient architecture, sustainable urban land scape, energy simulation and modelling, disaster resistance in architecture, professional practice are noteworthy.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

**1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year**

32

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**1.3.3 - Total number of students enrolled in the courses under 1.3.2 above**

**1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year**

2112

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**1.3.4 - Number of students undertaking field projects / research projects / internships during the year**

1264

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**1.4 - Feedback System**

| 1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni | • **All 4 of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

| 1.4.2 - Feedback processes of the institution may be classified as follows | |
|---|---|

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

## TEACHING-LEARNING AND EVALUATION

**2.1 - Student Enrollment and Profile**

**2.1.1 - Demand Ratio**

**2.1.1.1 - Number of seats available during the year**

**2076**

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)**

**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

**1144**

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**2.2 - Catering to Student Diversity**

2.2.1 - The institution assesses the learning levels of the studentsand organises special Programmes for advanced learners and slow learners

**To cater to the needs of students with different learning levels, based on their performance in the course and their CGPA different activities and provisions are given to the students.**

**Based on the Performance in a course**

Students are classified as advanced learner and slow learners based on their performance in the Continuous Assessment 1 (CA1). Students who have secured marks < 40 are considered as slow learners. Slow learners are counseled and reason for their nonperformance is identified. If needed, remedial classes are conducted. Students who secure marks >=75 in the CA1 are classified as advanced learner for the course. Advanced learners are asked to solve more problems and do additional lab exercises.

Based on CGPA

At the end of the first semester examination, after results publication, students who secure CGPA 7.5 and above are classified as advanced learners; who secured CGPA less than 6.0 are classified as slow learners.

The advanced learners are given opportunity to take up honours degree, vertical mobility options, publish their work, do MOOC courses, and take part in conferences, symposia and project exhibitions.

The slow learners are provided with Remedial Classes to pass the backlog courses. Parents are updated with the student's performance.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |
| Link For Additional Information | **Nil** |

## 2.2.2 - Student - Full time teacher ratio during the year

| Number of Students | Number of Teachers |
|---|---|
| **Nil** | **194** |

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **No File Uploaded** |

## 2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

Learner-centric teaching method is practiced through lecture cum demonstrations and ICT tools; student centric methods practiced are experiential, participative, and problem solving methods.

Experiential learning:

- Most of the programmes include laboratory practice in the curriculum. It is included with a mini project for practicing what they learnt.
- The students do group projects in the final semester.
- Students take up in-plant training/industrial visit/Field studies/surveys etc.
- Students involve in real-life assignment, project competitions, and technical competitions.

**Participative learning:**

- Students are asked to take part in seminar, poster presentation, model exhibitions, Brainstorming sessions as part of the Continuous Assessments.
- To make the students to be participative methods like flipped classrooms, think share pair, one minute paper, jig-saw, polling, group discussions etc., are conducted.
- Guest Lectures, Association meetings and Students' Chapters of professional bodies enhance the participative learning.
- Students have the opportunity to participate in clubs & societies of PMIST, NCC, NSS, YRC, and RRC to learn from the society.

**Problem solving methodologies:**

- Case studies are used as one of the tools in continuous assessments
- Engineering students are encouraged to undertake real life problem based projects.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

Wi-Fi enabled campus facilitates the faculty members to practice ICT based teaching.

ICT Tools — Faculty members use the following tools in the lecture halls/ seminar halls for teaching.

- LCD Projector
- Laptop
- Speakers
- Headphones
- Tablet
- Audio-visual equipment
- Interactive Board

E-resources- Faculty members use the following e-resources to teaching the students.

- Faculty members use learning material from YouTube, NPTEL, SWAYAM, Coursera, Udemy, Slide share etc., in the regular class room sessions and for flipped class rooms.
- Virtual Labs are used for conducting practice sessions.
- To create e-contents Microsoft Office Suite, Word Press, Google Docs, etc., are used.
- Students have the provision of accessing the e-contents through digital library.

Learning Management System

- PMIST has an intranet platform (BRAIN- indigenously developed software) to upload the e-content created by the faculty members.

- **Faculty members use Google Classroom as the Learning Management platforms for sharing the course material and for conducting formative assessment. Google Forms, Class marker, Kahoot and Edmodo are used to conduct online test.**
- **Faculty members create educational videos, video lectures and upload in LMS platform. Screen cast O'matic is used by faculty members for recording the lectures**

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

### 2.3.3 - Ratio of students to mentor for academic and other related issues during the year

### 2.3.3.1 - Number of mentors

194

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **No File Uploaded** |

### 2.4 - Teacher Profile and Quality

### 2.4.1 - Total Number of full time teachers against sanctioned posts during the year

194

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

### 2.4.2 - Total Number of full time teachers withPh.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

73

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

### 2.4.3 - Total teaching experience of full time teachers in the same institution during the year

### 2.4.3.1 - Total experience of full-time teachers

1726.7

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year**

22

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**2.5 - Evaluation Process and Reforms**

**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

**2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year**

14.75

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year**

0

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Response:

PMIST has been using indigenous software named BRAIN - Brilliant Resource for Academic Institutions, for conducting examinations with more transparency. Software is used in the following processes.

1. Examination Schedule Posting & Time-Table Generation

2. Online Remittance of Examination Fees

3. Auto Generation of Hall Ticket

4. Automated Seating Arrangement in the Exam Halls

5. Online Mark Entry Facility

6. Attendance Entry

7. Calculation of CO and PO Attainment

8. Viewing of Results through Online

9. Online Verification of Academic Records (NAD)

By automating the examination process, manual effort needed to complete the work is drastically reduced. The system is able to produce error free exam time table and hall plans. Students are able to make payment with less effort quickly avoiding queues. System is able to verify the payment of fees and generate the hall tickets automatically which reduces the involvement of manpower.

Besides IT integration, the following reforms are introduced in the examination system.

The students are encouraged to opt for MOOC / SWAYAM courses. The credits earned in MOOC courses are integrated with the scores of the regular courses.

As per UGC norms, the grade sheets and degrees are issued in Teslin sheets that are durable.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

| 2.5.4 - Status of automation of Examination division along with approved Examination Manual | A. 100% automation of entire division & implementation of Examination Management System (EMS) |
|---|---|

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**2.6 - Student Performance and Learning Outcomes**

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

The institution has stated learning outcomes (Programme Outcomes (POs) and Program Specific Outcomes (PSOs)) based on the guidelines given by statutory bodies. Course Outcomes (COs) were formulated to realize the POs and PSOs. Course Outcomes are mapped with the POs and PSOs indicating the correlation strength.

Assessment process:

Course Outcomes are assessed by Continuous Internal Assessments and Summative assessments. Course teacher decides the assessment tools to assess the course outcomes. Each assessment tools/question is mapped with the COs. Marks obtained in the various assessment tools give the attainment of CO. PO attainment (Direct measure) is calculated based on the attainment of CO. Programmes Assessment Committee analyses the reasons for non-attainment of Course Outcome/ Programme Outcome and recommends corrective actions.

**Publicizing:**

During the foundation programme POs and PSOs are explained to the students. At the commencement of the semester, the students are given the course plan book which contains the POs, PSOs and syllabus of courses including COs and the evaluation patterns mapping with COs. Respective course teacher explains the Course Outcomes and the evaluation pattern. POs, PSOs are displayed in all prominent places of the department.

POs and PSOs are available in the department webpage of the institute website www.pmu.edu.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

## 2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The attainment of Course Outcomes (CO), Programme Outcomes (PO) and Programme Specific Outcomes (PSO) of various courses pertaining to a specific programme are done based on Direct and Indirect Assessment methods.

1. Direct measure is calculated through
   1. Assignments, Slip test, quiz, seminar, case study, group discussion or any other instrument used by the faculty members for Formative assessment
   2. Theory Examinations (Formative & Summative Assessment)
   3. Laboratory Examinations (Formative & Summative Assessment)
   4. Project / Models/In-Plant Training
2. Indirect measure - calculated through
   1. Course Feedback

Assessment of Course Outcomes (COs)

- The attainment levels of COs are measured through the Formative Assessments and Summative Assessments.
- Assessment tools are structured in such a way that each question maps to a specific CO and Learning Levels according to Blooms Taxonomy. Based on the marks scored by the students in each question, CO attainment is calculated.
- Each class is expected to attain 60% in each course outcome.

Assessment of Progamme Outcome (POs and PSOs)

The CO-PO mapping indicates the significance of each CO with each PO is used for calculating the PO attainment level. Each CO is correlated with PO with different grade levels viz, strong, medium and low which are represented as 3,2 and 1 respectively. This correlation gives a (direct) measure for attainment of every PO.The student's feedback obtained provides input to the faculty for self appraisal / improvement / development.

1. Direct measure is based on the Course Outcome Attainment.
2. Indirect measure is based on the course feedback conducted to the students who have completed the programme.
3. OverallPO attainment is calculated with the ratio of 70:30 of direct and indirect measure.

| File Description | Documents |
|---|---|

| Upload relevant supporting document | **View File** |
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## 2.6.3 - Number of students passed during the year

### 2.6.3.1 - Total number of final year students who passed the university examination during the year

973

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

## 2.7 - Student Satisfaction Survey

### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

https://docs.google.com/forms/d/10FMbgpvMZpvDD5cfjw1tykfsxf83kzfOFcZWoUIXFKc/viewanalytics

# RESEARCH, INNOVATIONS AND EXTENSION

## 3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

Institute has well-defined comprehensive research & development policy for ensuring highest quality standards in research, innovations and extensions. The policy aims to promote research fellowship for full-time scholars, scholarship to faculty who has registered Ph.D. in part-time basis, seed money to researchers. Faculty members are encouraged to submit research proposals to various funding agencies in India and abroad, research collaboration with other institutes. Faculty member are given financial support to protect their inventions, best researcher award in annual day, recognition / appreciation of researchers in the monthly / engineer's day celebration / email by circulation and faculty members are encouraged to apply and receive awards from external agencies.

The institute has a well-equipped Central Instrumentation Facilities located in various premises, procuring new equipments, subscriptions to IEEE journals (online), Proquest (online), etc., free access to Ouriginal software for similarities checking (provided by Govt. of India).

Institute has added the following research facilities:

2 Litre Fermenter (in situ) - Funded by PMIST

Rotor Evaporator – Funded by PMIST

Dee Freezer – Funded by PMIST

Microscopes – Funded by PMIST

**Periyar Technology Business Incubator (Section 8 company) is working towards to earn contract to manufacture missile simulators for India Air Force.**

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

### 3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

0.5

| File Description | Documents |
|---|---|
| Upload the data template | **No File Uploaded** |
| Upload relevant supporting document | **View File** |

### 3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

0

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **No File Uploaded** |

### 3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

2

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

### 3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Animal House/Green House Museum Media laboratory/Studios Business Lab Research/Statistical Databases Moot court Theatre  Art Gallery

**A. Any 4 or more of the above**

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

### 3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

0

| File Description | Documents |
|---|---|

| | |
|---|---|
| Upload the data template | **View File** |
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## 3.2 - Resource Mobilization for Research

### 3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

0

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
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### 3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

2.75

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

### 3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

2.75

| File Description | Documents |
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| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

## 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Institute provides suitable ecosystem through Periyar Technology Business Incubator (PTBI, a DST supported TBI under Section8, Companies Act) which serves the students, alumni, faculty and neighbourhood population for successful launch of startups. In 2021, one student project had won TNSI-2020 award and of Rs. 1 lakh cash from TNStartup Mission. PTBI had cleared technical and commercial bids to supply simulators to IAF, and order is awaited. It delivered 17 online sessions to PMIST students and 11 online sessions in FDPs. Fivestartups were enrolled and one Startup received SBIRI grant from BIRAC during the year. One startup won the Great Ideaaward in 9th CavinKare-MMA Chinnikrishnan Innovation Awards 2020.

The Institution Innovation Council Institute under the MoE-AICTE initiative(IC-201810657) had participated/organized various programmes such as leadership talks, Internal Hackathon, POC competitions and online courses offered by World

Intellectual Property Organization, Geneva.It received3.5 stars during the year 2020-21.

PMIST offers credit courses in Entrepreneurship Development and Intellectual Property Rights (IPR) as core/elective courses for all UG and PG students. It also received ARIIA ranking under the category "Band Performer".

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

### 3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

68

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

### 3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

### 3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

21

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **No File Uploaded** |

### 3.4 - Research Publications and Awards

### 3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

| 3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following<br>• Inclusion of research ethics in the research methodology course work<br>• Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)<br>• Plagiarism check<br>• Research Advisory Committee | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

**3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website**

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**3.4.3 - Number of Patents published/awarded during the year**

**3.4.3.1 - Total number of Patents published/awarded year wise during the year**

21

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**3.4.4 - Number of Ph.D's awarded per teacher during the year**

**3.4.4.1 - How many Ph.D's are awarded during the year**

33

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year**

Nil

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | No File Uploaded |

**3.4.6 - Number of books and chapters in edited volumes published per teacher during the year**

**3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year**

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **No File Uploaded** |

**3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS**

| File Description | Documents |
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| Upload the data template | **No File Uploaded** |
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**3.5 - Consultancy**

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

**The Institute continuously motivates the faculty members, research scholars and staff and students to associate with consultancy projects catering to leading industries and other research organizations / academic institutions. The institute is committed to render high quality and affordable consultancy services to industries and other organizations. The institute has devised a Periyar Consultancy Services (PCS) to carry out the consultancy project works. The consultancy policy is revised and updated from time to time while acquiring new and / or state of the art equipments leading to advanced research / consultancy work.**

**Institute motivates by providing incentive to faculty members, research scholars and staff and students. Institute is rendering high quality and affordable consultancy services to industries and other organizations.**

**Salient Features of the Consultancy Policy the salient features of the consultancy policy are: Consultancy Advisory Committee reviews and updates the policy periodically.**

**Procedures and role of the members of the consultancy work are defined Revenue sharing scheme for various types of projects under consultancy 'Earn while you learn scheme' exists for the students Standardized templates exist for easy process PCS a few notable Non-Government Consultancy projects.**

**The revenue generated through consultancy exhibits the significant growth of the institution.**

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **No File Uploaded** |

**3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)**

**3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)**

**31.93292**

| File Description | Documents |
|---|---|
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## 3.6 - Extension Activities

**3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year**

Institute has adopted Sixty Seven villages adopted under Periyar PURA for carrying out outreach, extension and research activities including: Training for economic developmental activities. It provides opportunity for the stake holders to contribute to the society by helping them to carry out various co-curricular, extracurricular and out-reach activities.

CHILD LINE the CHILDLINE Nodal organization of Thanjavur District has been working for the care, protection and rights of the children. Provided training for three district police personnel on POCSO Act, Juvenile Justice Act and legal rights that protects children. NCC cadets of PMIST participate in the regular activities like parade classes and outside activities. YRC and Red Ribbon Club activities: Blood donation camps were regularly organized with student's participation.

Unnat Bharat Abhiyan (UBA): As a Participating Institution of UBA five villages were adopted and various community activities were conducted.

Periyar Community Radio (Periyar FM 90.4 MHz) Programmes concerning Patriotism, Health, Education, Agriculture and Women empowerment are broadcast through the community Radio covering a radius of 25 km.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

**3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year**

**3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year**

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
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**3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)**

Nil

| File Description | Documents |
|---|---|

| Upload the data template | **View File** |
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## 3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

**Nil**

| File Description | Documents |
|---|---|
| Upload the data template | **No File Uploaded** |
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## 3.7 - Collaboration

## 3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

## 3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
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## 3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

**Nil**

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
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## INFRASTRUCTURE AND LEARNING RESOURCES

## 4.1 - Physical Facilities

## 4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

**PMIST is spread over in a lush green campus located in 114.85 acres with a built up area comprising 9,09,017sq.m. It includes various departments, administrative blocks, allied services and residential facilities for students and staff. PMIST is equipped with 104 class rooms with ICT facilities such as LCD projectors, Wi-Fi connectivity, smart boards and white boards to enable teaching learning process. PMIST has 82 teaching-learning laboratories and 11specialized laboratories like Data Network lab,Hydraulics lab, Pneumatics lab, Programmable Logic Controllers lab and Sensorics lab, e-yantra lab to promote research and consultancy activities in collaboration with industries.**

Scanning Electron Microscope (SEM) Laboratory and Raman Spectro Photometer, Energy and Environment Laboratory, Building Material Research unit & workshop, Central Instrumentation Laboratory and Central Research Laboratory are the other special laboratories available in the campus.1403 numbers of desktops and laptops with required accessories are available, out of which 945 are exclusively used for teaching and learning process. One GBPS bandwidth internet and Optical Fiber Connection are provided for 5300 meters throughout the campus. Uninterrupted Wi-Fi network services with with 77 access points and 6000 users capacity are available.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

## 4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

PMIST organize programs, events and various activities by engaging the students. PMIST has 12 clubs and societies, to demonstrate their talents in various traditional arts and culture, literary works, etc.The Open Air Theater (MuthamizhArangam) with capacity of 5000, Multipurpose Indoor Stadium with capacity of 1200 and 15 other auditoriums / seminar halls with a seating capacity ranging from 100 to 1400, are facilitating for cultural activities of students.An annual event named PEACE (Periyar Annual Cultural Event) is organized for the students to exhibit their talents. Yoga facilities are available in the campus and hostels as well. International day of yoga is celebrated every year. Silambam and Karatetraining is given to interested students by professional trainers. Well-laid courts for games like Basketball, Badminton, Ball Badminton, Volleyball, Kabaddi, KhoKho are available. Football fields and 400m standard Athletic tracks are available. Multipurpose Indoor Stadium is provided with indoor games like Badminton, Basketball courts, Volleyball, Chess, Table tennis, modern gymnasium, yoga hall and carrom. All hostels are facilitated with gymnasium, play fields and board games.

| File Description | Documents |
|---|---|
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## 4.1.3 - Availability of general campus facilities and overall ambience

Hostels with mess facility in a buildup area of 29308 sq.m - one men's hostel with 185 rooms and three women's hostel with 367 rooms are available. TV halls with DTH, gym, play courts and library are available. All the hostels are provided with 24 hour electricity, water supply, Wi-Fi connectivity and Sick room.PMIST has 24x7 functioning hospital with 16 beds located in a 407 sq.m buildup area inside the campus.Staff quarters are available inside the campus. Two guest houses are available to accommodate the visiting faculty and guest. Periyar Community Radio 90.4 MHZ, extends its service up to 25 km radial distance in and around the institute. Periyar Technology Business Incubator was established in the year 2006 with Herbal health as a core thrust area from grant in aid project of National Science & Technology Entrepreneurship Development Board. Other allied services likepost office, bank and ATM,transportation facility,printing press, ramps, elevators and toilets for disabled persons, stationery store, cafeterias, electrical power backupwith standby power generators,surveillance cameras, fire safety equipments and gadgets,solar water heaters, telecommunication service, driving school,day care centre are available.

| File Description | Documents |
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## 4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

**142.09**

| File Description | Documents |
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## 4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

**Arjun Singh Library is the central library of the Institute and has been automated the services with indigenously developed library management software solution BRAIN. It provides a user-friendly interface for searching, locating and the availability of library resources. Barcode technology which is integrated with BRAIN software is used for digitizing library services for issue of books and prevention of unauthorized handling.**

**Online Public Access Catalogue (OPAC), a web-based search interface for students and staff, provides search optimization of the library resources. A dedicated well equipped digital library with 70 nodes is housed in the central library to access the e-resources. Inter-Library Loan (ILL) is provided to the users through DELNET and Tamil University.**

**The Ph.D. theses of students are added to the Shodhganga service from INFLIBNET Centre (open national online library), a digital platform for research students to deposit their Ph.D. theses and make it available open to researchers. So far, PMIST uploaded 143 numbers of theses in this platform.**

**Arjun Singh Library has a rich collection of books, journals, dissertations, back volumes etc. It subscribes to various online resources such as E- journals (IEEE) and E- databases (Proquest, J-Gate). The Department libraries are digitally connected to the Central Library.**

| File Description | Documents |
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| 4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga  Databases | **A. Any 4 or all of the above** |
|---|---|

| File Description | Documents |
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4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

**32.6**

| File Description | Documents |
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| | |
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**4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)**

202

| File Description | Documents |
|---|---|
| Upload relevant supporting document | |

**4.3 - IT Infrastructure**

**4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year**

119

| File Description | Documents |
|---|---|
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4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

The Institution IT policy stresses upon the users to comply with Institute's policiesandlegalobligations It strives

- The Institution to arrange for awareness programmes to acquaint the users with the effective usage of IT resources.
- A secured flow of internet and intranet based traffic in the campus shall be managed through the use of Unified Threat management.
- The regular updating of the anti-virus and security updates for the protection of computing resources.
- The business processes for the management of hardware and software assets that facilitates the usage of IT resources in the Institute.
- That there is no violation in the copying and distribution of proprietary and licensed software.
- On managing the risks involved for the usage of IT resources.
- The endeavor towards the promotion and effective usage of open source software. Operational aspects of IT resources are as per the hierarchical flow of the Institute's governance structure.
- The prohibition of contributing to the creation of a hostile academic or work environment.
- The Usage must not violate copyright law and must respect licenses to copyrighted materials.
- PMIST IT resources not be used for any commercial and promotional purposes.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | |

**4.3.3 - Student - Computer ratio during the year**

| Number of students | Number of Computers available to students for academic purposes |
|---|---|

| 3516 | 945 |
|---|---|

| **4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)** | • ≥1 GBPS |
|---|---|

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |

| **4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing** | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
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**4.4 - Maintenance of Campus Infrastructure**

**4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year**

**503.82**

| File Description | Documents |
|---|---|
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| Upload relevant supporting document | **View File** |

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

PMIST has systems and procedures which are reviewed by Planning and Monitoring Board, for the maintenance and to ensure the optimum utilization of physical, academic and support facilities.

The key points of Maintenance Policy are:

- The maintenance policy ensures that the facilities are being best utilized for physical and academic activities in a good working condition.
- Estate Office which is a division functioning with headship of Chief Estate Officer by following well defined procedures and execute the works connected with all facilities
- All the works and services are carried out only after getting administrative and financial approval through proper channel from the Registrar
- Time Table is worked out based on the academic schedule to ensure optimal utilization of the facilities.
- Library maintenance was done as per standard procedure

- Maintenance of ICT facilities are done by System and Network Administration team

- **The maintenance of sports facilities like athletic field, play fields, etc. are carried out by the Physical Director by following the established procedures**

- **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**

| File Description | Documents |
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## STUDENT SUPPORT AND PROGRESSION

**5.1 - Student Support**

**5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)**

1020

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
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**5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year**

1408

| File Description | Documents |
|---|---|
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| | |
|---|---|
| **5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology** | B. Any 3 of the above |

| File Description | Documents |
|---|---|
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| | |
|---|---|
| **5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for** | • All of the above |

| submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees | |
|---|---|

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

## 5.2 - Student Progression

**5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)**

**5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

| 6 | |
|---|---|

| File Description | Documents |
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## 5.2.2 - Total number of placement of outgoing students during the year

| 354 | |
|---|---|

| File Description | Documents |
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## 5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

| 146 | |
|---|---|

| File Description | Documents |
|---|---|
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## 5.3 - Student Participation and Activities

**5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter - university/state/national/international events (award for a team event should be counted as one) during the year**

| 20 | |
|---|---|

| File Description | Documents |
|---|---|

| | |
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**5.3.2 - Presence of Student Council and its activities for institutional development and student welfare**

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. 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

- 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.

| File Description | Documents |
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**5.3.3 – Number of sports and cultural events / competitions organised by the institution during the year**

1

| File Description | Documents |
|---|---|
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**5.4 - Alumni Engagement**

5.4.1 - The Alumni Association/Chapters (registered and functional)contributes significantly to the development of the institution through financial and other support services during the year

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.

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 notable contributions are:

- 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.

| File Description | Documents |
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**5.4.2 - Alumni contribution during the year (INR in Lakhs)** | **E. <1Lakhs**

| File Description | Documents |
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## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

PMIST has a clearly stated vision and mission that constantly and relentlessly reflectson its academic and administrative governance, described below:

Academic and Administrative Governance

PMIST is a Deemed to be University governed by UGC regulations. The statutory bodies of the institute are:

Board of Management (BoM)

Planning and Monitoring Board

Finance Committee

Academic Council and

Board of Studies.

The statutory bodies wasconstituted as per the UGC norms to ensure proper functioning of all academic and non-academic sections at the institute.

Academic Governance

Aligning with the vision and mission of PMIST, curriculum is edgedatall levels acrossprogrammes and is benchmarked with other leading institutions. The curriculum is formulated for instilling engineering knowledge and skills for employment

Beside academics, students are encouraged to take up entrepreneurship for generating jobs, a cherished value of PMIST.

The Administrative Governance:

The administration of the institute provides support for executing the academic and research activities adhering strictly to the norms. The administrative staff aremotivatedpersistently for extending their support in realizing the vision, mission and the core values of the institute.

The Board of Management,an apex policy decision making body plays an important role in formulating policies without diverting from the mission and vision.

| File Description | Documents |
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6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management

The statutory authorities of the institute enable the administration to provide a robust system of decentralization and participative management.

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 design 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 Pro-Vice 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 approvalof 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.

| File Description | Documents |
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## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

**Institution designed the strategic plan in compass of its Vision and Mission statement. This document is comprehended with goals and functional tactics that would be executed for the tenure of 5 years (2020-2025).**

**Academic Excellence**

**Institute focus on imparting high level of knowledge to the students and scholars in undergraduate, postgraduate and research programme of various disciplines to all sections of the society. Academic system involves a well designed curriculum, with flexibility and enrichment in the curriculum.**

**Research & Innovation**

**Institute is focusing on sustainable development research in various core areas and multi disciplinary areas.**

**Collaborations**

**Institute focus partnering with foreign institutions, universities and other industrial organisations to exchange research concepts, teachers and students.**

**Quality and Capacity Building**

**Education is the service; the higher level of service quality will design prosperity of the world. It also satisfies the institution's stakeholders and build the brand as a premier institution. Institution is focusing on activities and quality system in academia.**

**Governance**

**The systematic procedures precede the administrative, financial and academic operations of the institution to accord effective service.**

**Extension and Brand Building**

**Institution is focusing on achieving its values by rendering service to the society in which the institution is located.**

| File Description | Documents |
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6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

## Statutory Bodies

All the institutional bodies are constituted as per the norms of the respective Statutory Regulatory Authorities (SRA), to formulate polices, reviewing the progress made and for offer suggestions to ensure further development.

### Board of Management

The Board of Management (BoM), constituted as per UGC norms, is an apex body which formulates all policies and provides academic and administrative leadership.

### Planning and Monitoring Board

The Planning and Monitoring Board translates the strategic vision of the institute into annual plans and monitors their implementation.

### Academic Council

The Academic Council reviews the regulations, curricula and syllabi of various academic programmes offered and recommendations across all disciplines by the Board of Studies for approval by the Board of Management.

### Board of Studies (BoS)

The Board of Studies which consists of Department HOD, Faculty, Student, Academic Representatives from External Institutes and an Industry Representative reviews the curriculum planning based on the feedback received from students and faculty members. BoS examines the Curriculum Changes as per UGC/ AICTE/ respective statutory bodies

### Finance Committee

The Finance Committee approves the annual budget, monitors the expenditures and reviews the internal and external audited reports.

The appointment and service rules are well defined in the Bye-Law of PMIST.

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

## 6.2.3 - Institution Implements e-governance in its areas of operations

| 6.2.3.1 - e-governance is implemented covering following areas of operation<br><br>1. Administration<br>2. Finance and Accounts<br>3. Student Admission and Support<br>4. Examination | A. All of the above |
|---|---|

| File Description | Documents |
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| Upload the data template | **View File** |
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**6.3 - Faculty Empowerment Strategies**

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

PMIST follows a comprehensive Performance Appraisal System (PAS) that is recommended by UGC for assessing the performance of teaching and non-teaching staff annually. During scrutinizing both strength and weaker areas are identified, and the staff members are motivated to perform better in future.

This PAS acts as an instrument for faculty improvement such as

Career Advancement

Rewards and recognition

Corrective measures to improve performance

Training Need Analysis

The institute provides various welfare measures such as:

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**

**Support rendered in terms of financial and medical for the faculty affected with Covid'19 during the pandemic period.**

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

**6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year**

| 3 |
|---|

| File Description | Documents |
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| Upload the data template | **View File** |
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**6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year**

| 5 |
|---|

| File Description | Documents |
|---|---|
| Upload the data template | **View File** |
| Upload relevant supporting document | **View File** |

**6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)**

| 75 |
|---|

| File Description | Documents |
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**6.4 - Financial Management and Resource Mobilization**

## 6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The institute mobilizes its funds - received mainly throughthe tuition fees paid by the students. Funds received are spent on payment of salary for the teaching, non-teaching staff and maintenance of the campus.

Mobilisation of Funds

Tuition fees collected from students

Consultancy service charges collected from Industry or Government sector/Individuals

Funds received by Faculty members from various Government and non-government agencies for carrying out projects/consultancy

Funds generated through interest earned on corpus fund, endowments

Alumni contribution

The institute avails term loan facilities from its bankers as and when required.

Optimum Utilisation of Resources

Usage of classroom and laboratories for full-time and part-time classes

Workshop fabricates and maintaining furniture needs for classroom and labs

Exclusive area was dedicated for production of Vermi compost

Usage of Biomethanation to convert the waste to wealth

Paper Recycling Plant is used in recycling waste papers into usable products.

Usage of Laboratories for Consultancy work and research studies

Multi-purpose indoor stadium is used for activities i.e. Conferences, seminars, exhibition, talks, indoor sports, cultural events etc

Research data base (Proquest and J-Gate) and Plagiarism software is used by faculties and students

Proper water management and conservation practices

Conservation of energy standard electrical appliances and solar panels.

| File Description | Documents |
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## 6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

| | |
|---|---|
| 0 | |

| File Description | Documents |
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**6.4.3 - Funds / Grants received from non-government bodies, individuals,philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)**

| | |
|---|---|
| 0 | |

| File Description | Documents |
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6.4.4 - Institution conducts internal and external financial audits regularly

PMIST follows structure of accounting and complies with the guidelines recommended by the Institute of Chartered Accountants of India conscientiously.

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.

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.

| File Description | Documents |
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**6.5 - Internal Quality Assurance System**

**6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals**

PMIST has a well-established IQAC with Vice Chancellor as its Chairperson, Deans, nominated Professors, members representing Board of management, Industry, Local Society, Alumni, Chair person of the student council, Employer and Parents, as other members

Process: Reviewing of Examination process

a. Institutionalizing the process:

• Introducing of OBE system question paper pattern for Ph D Scholars

• 20% of answer scripts (department wise shall be valued by eternal experts

• Students appearing for FAST TRACK exam must have appeared in regular end semester exam

• One MOOC course to be opted by PG Students from 2022 onwards

b. Reforms:

The suggestions put forth by the Examination advisory committee brought to the IQAC along with its recommendations.

• Format to be framed for question paper pattern meant forPh D Scholars

• Rules and Guidelines to be framed for external expert to evaluate the answer scripts.

• DepartmentHoD and Exam Representative to ensure has attend the end semester exam before applying FAST TRACK Exam

• All PG students to be informed about change and advise accordingly.

| File Description | Documents |
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| 6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA) | A. Any 5 or all of the above |
|---|---|

| File Description | Documents |
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**6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)**

```
Incremental Improvement 2020-2021

  1. Third cycle of Accreditation process for NAAC was completed in the month of Nov 2021
  2. Setting up of new meeting hall with AV Facilities in IQAC Office and cubicle was constructed for Director and
     Staff.

  1. Hall of fame was improved and revised to reflect the latest ranking of Student Achievement
  2. Waiting Hall for visitors was established with ambient environment.
  3. Sanitizers was placed at all places including the places near Bio Metric Machine to follow the COVID-19 protocol
  4. Modern type of waste disposal bins [Green, Yellow and Red] was placed in the campus at all necessary places.
  5. Gent and Ladies toilets at TBI was renovated with new titles and wash basin
  6. Existing Reception desk was restructured at PKC and TB I building.
  7. Renovation and painting works carried out for all buildings
```

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## INSTITUTIONAL VALUES AND BEST PRACTICES

**7.1 - Institutional Values and Social Responsibilities**

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Periyar Maniammai Institute of Science & Technology (PMIST) has its geneses from an exclusive college of Technology for women perhaps the first of its kind in India. PMIST addresses the different forms of gender issues such as Female infanticide, violence against women, sexual harassment, forced prostitution, discrimination against wages, global and national issues on women through the course viz "Human ethics, values, Rights and Gender equality" as part of the curriculum which seeks to sensitize the students to the gender issues and make them responsible citizens caring for women and treating them with dignity.

As per the UGC guidelines, Gender Champions have been selected for academic year 2020-2021 on 15th Oct 2021 and these champions constitute 'Gender Champion Club'. Through this club various programmes related to sensitization for the security of women, gender bias, gender equality, women safety, Gender Issues, Harassment in study and work environment were conducted.

To create a conducive environment in the work place, Internal Complaints Committee (ICC) has been put in place with a presiding officer, 4 senior members and 2 student representatives for taking proper measures.

PMIST engages full time Professional Counselor. The teaching faculty supplements the counseling for personal, academic grievances and gender problems.

| File Description | Documents |
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| | |
|---|---|
| supporting document | |
| Annual gender sensitization action plan(s) | https://pmu.edu/iqac/pdf/aqar/Annual%20Gender%20sensitization%20%20Action%20plan%202021%20-%2022.pdf |
| Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information | https://pmu.edu/iqac/pdf/aqar/Geo%20tagged%20Photo%20for%20facilties%20in%20safety%20and%20Security.pdf |

| **7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy        Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment** | **B. Any 3 of the above** |
|---|---|

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management  Waste recycling system Hazardous chemicals and radioactive waste management

The 4R concept —REDUCE, REUSE, RECYCLE, RECOVER is being implemented on the campus. The wastes are segregated at the source through Color coded bins. Non degradable waste like plastics and glass are segregated and sold to the local vendors for recycling. Wastepaper generated in the campus is processed in recycling unit and reused as saleable articles such as paper bags, file pad, packing materials etc.

The Biomethanation plant in this Institution is multi feed with the feeds like Cattle dung, Night soil, Vegetable waste and Food waste. The power generated is supplied to the women's Hostels. The digestate output after draining is allowed for vermicomposting process.

The wastewater is collected from all buildings through 150 mm diameter well laid conduits of PVC pipe. For optimal use of water for irrigating the landscapes, PMIST practices various modern systems like drip irrigation, sprinkler irrigation, rain gun method.

Biomedical wastes from the hospital and expired chemicals are safely disposed through Medicare Enviro Systems, Thanjavur. The e-waste generated from computers, electronic gadgets and other nonworking equipment are collected and

**disposed through private authorized collectors.**

**Hazardous waste is subjected to decontamination and is treated with sodium hydroxide solution or by autoclaving method.**

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

| 7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus | **A. Any 4 or all of the above** |
|---|---|

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

**7.1.5 - Green campus initiatives include**

| 7.1.5.1 - The institutional initiatives for greening the campus are as follows:<br><br>1. Restricted entry of automobiles<br>2. Use of bicycles/ Battery-powered vehicles<br>3. Pedestrian-friendly pathways<br>4. Ban on use of plastic<br>5. Landscaping | **A. Any 4 or All of the above** |
|---|---|

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

| 7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:<br><br>1. Green audit<br>2. Energy audit<br>3. Environment audit<br>4. Clean and green campus recognitions/awards<br>5. Beyond the campus environmental promotional activities | **A. Any 4 or all of the above** |
|---|---|

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

| 7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software,mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc. | A. Any 4 or all of the above |
|---|---|

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

PMIST is dedicated to its societal responsibility by providing an inclusive environment to be a part of its flagship programme "Periyar PURA". The former President of India Dr.A.P.J.AbdulKalam, during his tenure as the President of India, highlighted a vision of transformation of Rural India by launching a large-scale mission by advocating the concept of Providing Urban Amenities in Rural Areas (PURA) in 2003.

Centre for Rural Development (CRD) plays an effective role in coordinating, creating linkage and networking among various Centers, Departments and student organizations besides connecting various stakeholders of Rural Development covering 0.1 million populations hailing from 67 Periyar PURA villages located in 4 blocks of Thanjavur, Pudukkottai and Trichy Districts.

PMIST as Participating Institution of Unnat Bharat Abiyan (UBA), the flagship programme of MHRD has adopted five villages by involving 220 students and conducted community engagement activities, survey and participating in Gram Sabha imparting concept of learning community life and harmony. PMIST regularly organizes awareness programs on Swachh Bharath Abhiyan, Rural and Tribal Camps, Health Camps and National Integration awareness programs through Center for Rural Development & Department of Social Work.

PMIST focuses on imparting necessary skills and sensitizing the students to treat everyone respectfully without any discrimination.

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Students' progress and societal uplift are the prime concern of the PMIST. For accomplishing it the institute has established a centre namely Dr.Kalaignar Karunanithi Centre of Political science. From it's inception, the Centre has been conducting various programmes such as constitutional obligations, values, rights, duties and responsibilities of the citizens. In view of the Constitution Day-November 26 th, the centre has arranged for a special lecture for enlightening the students and employees about the origin and importance of the Indian constitution. Further, the programmes explained to them that they are entitled to enjoy all the legal rights granted by a state and are obligated to obey its laws. This enabled them to have a moral responsibilities to respect obey the laws of our

country, protect the power, unity and integrity of the country, safeguard public property, pay our taxes with honesty promptly, protect the unity and integrity of the nation. The lecture programmes on Human values aimed to inculcate the good values among students and employees to build a strong nation. Both the students and the employees understood their responsibility add crucial role in eradicating the social evils.

Link for report of events:
https://pmu.edu/iqac/pdf/aqar/Programmes%20on%20Sensitization%20to%20the%20constitutional%20obligations.pdf

| 7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct are organized | All of the above |
|---|---|

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The institute celebrates international Day such as Women's Day March 8, 2020 and 2021 at PMIST. International Day of Yoga is celebrated on 21.6.2021 to promote the importance of Yoga in improving the mental and physical well-being of all the people in PMIST. Center for Rural Development, CHILDLINE, Nodal Organization jointly organized.

the International Day of Girl Child Day every year in the month of October. Apart from the above celebrations, the International Mother Language Day was celebrated by PMIST as a mark of respect and recognition for vernacular students. The institute enthusiastically celebrates national festivals such as Independence Day and Republic Day.

The other events are World Environment Day, World Day against Trafficking in Persons, Teacher's Day, Engineer's Day, World Day for Prevention of Child Abuse, National Science Week, International Mother Language Day, World Water Day, World Bamboo Day, World Teachers Day, Indian Airforce Day

Founder's Day (2nd December- Birth Anniversary of Esteemed Chancellor Dr.K.Veeramani) was celebrated as Science Development day & Scholarship day with a grand exhibition to showcase the wide range of activities and the unique contribution of the Institute to the society. Prominent National leaders Birthday like Thanthi Periyar, Annai EVR Maniammaiyar, AnnaiNagammaiyar were also celebrated.

| File Description | Documents |
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| Upload relevant supporting document | **View File** |

**7.2 - Best Practices**

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

Title of the Practice: Effective online teaching during pandemic period

**Objective :** During the pandemic situation, as an alternative to physical mode, PMIST adopted online teaching for continuing teaching learning with the advanced technologies.

**Context :** As preventive measure of COVID 19 pandemic in India and to ensure the safety of faculty and students PMIST shifted the mode of teaching to on line

**Practice:** Proper guidelines were provided for both students and faculty to get familiar with the online teaching and learning.

Every course had Google class room and teaching materials are shared in the respective google class room link. Google meet lecture links were circulated among the entire staff and students to ensure transparency and quality control. Attendance of the lecture hours through Google meet was captured by the faculty by syncing Chrome browser. Faculty used other online tools such as Class Marker, Kahoot, Edmodo, Ruby star, word press, google docs. Team of HoDs and Deans monitored the online class rooms. Mathematics and common courses taken by the students of same year/branch had common hours.

**Evidence of Success:** Students are comfortable and safe and enthusiastically participated.

**Problems Encountered:** Occasionally unstable Internet connectivity disturbed the classes.

## 7.3 - Institutional Distinctiveness

### 7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

**AWARENESS PROGRAMMES FOR COVID 19**

During the pandemic period period PMIST has conducted many awareness programmes as advisory and psycological support for mental health promotion of students and faculty. The programmes were conducted for the public in nearby villagesfor spreading awareness on Covid 19.

- Online webinar : Collegiate Health and Wellness over the Pandemic- 8.5.2021

- Training on Handling COVID – 19 & Rendering Best Service to the Child for CHILDLINE team members -6.4.2020
- CORONA Relief - Rendering essential services to Children's of Gypsies community, N.K. Colony, Pudukkudi -18.4.2020
- Webinaron ''Combating Mental Health Issues during COVID -19: Tips to Parents and Adolescents''-18.6.2020
- Training on "Psychosocial Support to Children" during Pandemic were conducted by the Department of Social work and Child line – 23.1.2021, 27.1.2021,
- Awareness Programme on Psychosocial Support to children and their parents 30.1.2021, 12.2.2021, 26.2.2021,11.3.2021, 26.3.2021, 21.4.2021
- Awareness personal safety on Covid 19 – 21.4.2021
- Awareness Programme on Health and Immunity- 23.4.2021, 24.5.2021
- Handling COVID – 19 and Rendering Best Services to the Children - 29.5.2021

The participants were given awareness on self-care, preventive measures, handling infected family members, importance of vaccination. Posters forthe covid 19 awareness were displayed inside the campus to reinforce the healthy practices.

| 7.3.2 - Plan of action for the next academic year |
|---|
| 1. Particpating in the Green Institutional ranking for institutions<br><br>2. Adopting proper waste managemnt practices and energy conservation measures |