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PERIYAR
MANIAMMAI
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
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MINUTES OF THIRTY NINTH MEETING OF THE ACADEMIC COUNCIL

Date   : 26.02.2022   **Venue: Through Online**

Time   : 10.30 A.M   **Place : PMIST, Vallam – Thanjavur**

The Thirty Ninth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 26.02.2022 at 10.30 a.m. through Zoom Meet.

Prof.S.Velusami, Hon'ble Vice-Chancellor, chaired the meeting.

The following Academic Council Members were present (Through Zoom meet)**:**

1.	Dr.A.Anand Jerard Sebastine	Member
2.	Dr.K.Anbarasu	Member
3.	Dr.S.Arumugam	Member
4.	Dr.A.P.Aruna	Member
5.	Dr.P.Aruna	Member
6.	Dr.A.Ashokkumar	Member
7.	Dr.S.Asokan	Member
8.	Dr.S.Buvaneswari	Member
9.	Dr.A.George	Member
10.	Dr.S.Gomathi	Member
11.	Dr.P.Guru	Member
12.	Dr.V.Hamsadhwani	Member
13.	Dr.R.Jayanthi	Member
14.	Dr.L.Jayanthi	Member
15.	Dr.N.Jayanthi	Member
16.	Dr.J.Jeyachidra	Member
17.	Dr.I.Karthic Subramaniyan	Member

18.	Ms.T.Kavitha	Member
19.	Dr.K.Kesavan	Member
20.	Dr. R.Krishnamurthi	Member
21.	Dr.S.P.Kulandaivel Babu	Member
22.	Dr.S.Kumaran	Member
23.	Dr.K.Lakshmi	Member
24.	Dr.D.Maghesh Kumar	Member
25.	Dr.K.Mohanasundaram	Member
26.	Dr.T.Narmadha	Member
27.	Dr.C.Narmadha	Member
28.	Dr.KVR.Rajandran	Member
29.	Mr.R.Rakesh	Member
30.	Dr.D.Ramesh	Member
31.	Ar.N.Ramesh Babu	Member
32.	Dr.D.Ruby	Member
33.	Dr.V.Sangeetha	External Member
34.	Dr.J.Santhosh	Member
35.	Dr.J.Sathyapriya	Member
36.	Dr.K.Selvakumar	Member
37.	Dr.K.Selvam	Member
38.	Dr.S.Senthamil Kumar	Member
39.	Dr.V.A.Shamugavelu	Member
40.	Dr.M.Sharmila Begum	Member
41.	Dr.N.Srinivasan	Member
42.	Dr. V.K. Stalin	External Member
43.	Dr.C.V.Subramanian	Member
44.	Dr.G.Thamilvanan	Member
45.	Dr.J.Thiagarajan	Member
46.	Dr.K.Thirumaran	External Member
47.	Dr.D.Umamaheswari	Member
48.	Dr.P.Vijayalakshmi	Member

<u>**ADDRESS BY THE VICE – CHANCELLOR**</u>

The Chairperson welcomed all the Academic Council External and Internal members. He also presented the academic activities held after the previous meeting in various Departments and Centers.

1. **BUSINESS BROUGHT FORWARD BY THE VICE-CHANCELLOR**

VC 39.1.1 **TO CONFIRM THE MINUTES** of the 34th,35th,36th, 37th & 38th Academic Council Meeting minutes held on 07.03.2020, 20.06.2020, 10.10.2020, 15.06.2021 and 30.09.2021 respectively.

Notes:

The Minutes of the 34th, 35th, 36th, 37th and 38th Academic Council Meeting held on 07.03.2020, 20.06.2020, 10.10.2020, 15.06.2021 and 30.09.2021 were communicated to all members. The same was placed before the Board of Management Meeting held on 28.10.2021 and approved; no dissent / corrections have been received from members.

The matter is placed before the Academic Council for Confirmation.

Resolution

RESOLVED TO CONFIRM the 34th,35th,36th, 37th & 38th Academic Council Meeting minutes held on 07.03.2020, 20.06.2020, 10.10.2020, 15.06.2021 and 30.09.2021 respectively.

VC 39.1.2 **TO CONSIDER AND RATIFY** the course work subjects offered for the Research scholars from the academic year 2020-21 under Regulations 2020.

Notes:

The Doctoral Committee of the following departments have discussed and finalized the course work syllabi for the Research Scholars. The list is given below;

Sl. No	Department	Sub. Code	Subject Title	Credit			
				L	T	P	C
1	Mathematics	RMA018	Advanced Matrix Theory	1	3	0	4
2	Commerce	RCO004	Digital Marketing in the Service Sector	3	0	0	3
3	Commerce	RCO005	E -Commerce on emerging trends in Service Sector.	3	0	0	3
4	Commerce	RCO006	Social Media Role in Institutional Development Programmes	3	0	0	3

The matter is placed before the Academic Council for ratification.

Resolution

RESOLVED TO RATIFY the course work subjects offered for the Research scholars from the academic year 2020-21 under Regulations 2020.

VC 39.1.3   **TO CONSIDER AND RATIFY** the Proposal for providing Scholarship for Full Time Research Scholars and Management Scholarship (Welfare Measures for faculty) for internal Part-Time Research Scholars admitted from the academic year 2021-22.

Notes:

Based on the resolution taken in the Research Advisory Committee Meeting held on 25th October 2021, it is decided to attract more Full Time research scholars for Ph.D. programmes. It is also decided to provide full Tuition fee as Scholarship for Full Time Research Scholars and 50% of Tuition fee as Management Scholarship for the internal Part-Time scholars

The Scholarship details are given below:

Sl. No	Particulars	One Time Fee (Rs.) (At the time of admission)			Existing Tuition Fee Structure per semester only for full time scholars (Rs.)	Proposed Scholarship per semester for full time scholars at the end of every semester (Rs.)
		Admission Fee	Library / E-resources / Laboratory Fee	Caution Deposit		
1	Ph.D (Engg. & Tech.)	5500/-	5000/-	5000/-	30000/-	30000/-
2	Ph.D (Science & Mgmt.)	5500/-	5000/-	5000/-	25000/-	25000/-
3	Ph.D (Humanities)	2500/-	3000/-	1000/-	22500/-	22500/-
4	Ph.D (Periyar Thought)	2500/-	3000/-	1000/-	10000/-	10000/-

For internal Part-time Research Scholars admitted from the Academic Year 2021-22 onwards, it is proposed to provide 50 % tuition fee as Management Scholarship.

Sl. No	Particulars	One Time Fee (Rs.) (At the time of admission)			Existing Tuition Fee Structure per semester only for part time scholars (Rs.)	Proposed Scholarship per semester for part time scholars at the end of every semester (Rs.)
		Admission Fee	Library / E-resources / Laboratory Fee	Caution Deposit		
1	Ph.D (Engg. & Tech.)	5,500/-	5000/-	5000/-	30,000/	15,000/
2	Ph.D (Science & Mgmt.)	5,500/-	5000/-	5000/-	25,000/-	12,500/-
3	Ph.D (Humanities)	2,500/-	3000/-	1000/-	22,500/-	11,250/-
4	Ph.D (Periyar Thought)	2,500/-	3000/-	1000/-	10,000/-	5000/-

To avail the above scholarship, the research scholar should satisfy the following conditions;

- Scholar should maintain a **Research Diary** from the first day of their admission. In that diary, it is instructed to record the following: discussion, research gap, results, progress, journals referred and studied / presentation in any conference, etc. This should be duly signed by the concerned supervisor. This diary is the most important document for the verification (photocopy of the pages should be scanned and submitted to RAC through proper channels at the end of every month).

- For Full time Research Scholars, at the end of every semester, tuition fee paid by the scholar will be refunded / provided that scholar publish at least one scientific publication in a year in Scopus / Web of Science / SCI indexed journals.

- For internal part-time Research Scholars, at the end of every semester, 50 % of tuition fee paid by the scholar will be refunded / provided that scholar publish at least one scientific publication in a year in Scopus / Web of Science / SCI indexed journals.

- In the first semester, at least one paper presentation in an International conference or one review paper in Scopus / Web of Science / SCI indexed journals to receive the scholarship.

- Full time Research Scholars, every month the progress report and attendance (minimum 80% are required; medical leave or any other emergency leave can be availed with the permission of HoD and Dean) must be submitted to the office of the Dean Research through proper channel (Research Supervisor, HoD and Dean Concerned) to obtain the scholarship. Based on the progress and the Research Advisory Committee's recommendations, scholarship will be provided.

➢ Full time scholars are encouraged to apply for any Central / State Government scholarship like CSIR-SRF etc. after getting prior permission through proper channel. If the scholar obtains the grant, the PMIST scholarship will not be provided.

➢ Research Scholar should work along with the Research Supervisor to submit research proposals for the funding agencies, two Conferences in the National / International level in their respective research thrust areas per year, establish facility like indigenous lab / simulation / Models or any other facility at PMIST.

➢ Research Scholar are encouraged to work in consultancy projects (remuneration can be availed as per PMIST rules and regulations) and should attempt to find a problem from the nearby industry and to work out in finding possible solutions

➢ Once in six months the Research Advisory Committee will review the progress and decide the scholarship renewal.

➢ Scholarship will be provided only for three years for full time research scholars / four years for internal part-time research scholars.

➢ In case, if the scholar discontinues the Ph.D. programmes; he / she should reimburse one semester tuition fee.

➢ In this context it is submitted for your kind perusal and approval for providing scholarship for the full-time research scholars and management scholarship for internal part-time research scholars admitted from the academic year 2021-22 onwards.

The matter is placed before the Academic Council for ratification.

Resolution

RESOLVED TO RATIFY the Proposed Scholarships for Ph.D. Full Time Research Scholars and Management Scholarship (Welfare Measures for faculty) for internal Part-Time Research Scholars admitted from the academic year 2021-22.

2. BUSINESS BROUGHT FORWARD BY DEAN ACADEMIC

Dean Academic 39.2.1

TO CONSIDER AND APPROVE the proposed changes in the Examinations pattern.

Notes:

As per the suggestions given by the Examination Advisory Committee, the following proposals are recommended:

1. To introduce flexible question paper pattern for Ph.D. course work subjects from the year 2022 onwards.

    One of the criteria of **OBE** system is to have flexibility in the question paper pattern. Accordingly it is proposed to introduce the above system for Ph.D. students.

2. In respect of End Semester Examination, **20%** of the subjects answer scripts (department wise) to be valued by external experts.

    As opined by the Examination Advisory Committee, it is proposed to involve external experts partially in evaluation process.

3. To insist that the students appearing for FAST TRACK examinations should have necessarily appeared in the regular End Semester Examinations and absent candidates are not eligible to write the Fast Track examinations.

4. At least one MOOC course is to be opted by PG students from the year 2022 even semester onwards, as per the recommendation of UGC / AICTE.

5. To pay remuneration, TA & DA to the external subject experts as per Institute Norms.

The matter is placed before the Academic Council for approval.

Dr. S. Sangeetha, External Member enquired how the 20% external evaluation is planned.

The Controller of Examinations replied that, the external evaluator will be choosing 4 papers randomly among 20 answer scripts.

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Resolution

RESOLVED TO APPROVE the proposed changes in the Examinations pattern.

Dean Academic 39.2.2

TO INFORM AND RECORD the scholarships provided for students (New & Renewal for the Academic Year 2021-22).

Notes:

Scholarship Details for the Academic Year - 2021-22

Scholarship New 2021-22

Sl. No	Scheme	Name of Scholarship	Number of Scholarship in Rs.	Total Amount in Rs.
1	Scheme-A	Merit Scholarship	762	7863500
2	Scheme-B	First Graduate Scholarship	166	1409500
3	Scheme-C	Farmer Children Graduate Scholarship	43	326000
4	Scheme-D	Single Parent Children Scholarship	19	173000
5	Scheme-E	Sports Scholarship	17	61000
6	Scheme-F	Special Scholarship	35	300000
7	Scheme-G	PMIST Employee Ward Scholarship	7	205000
8	Scheme-H	PMIST Alumni Scholarship	72	641000
9	Scheme-I	Physically Challenged Scholarship	4	28500
10	Scheme-J	Siblings Scholarship	2	5000
11	Scheme-L	Management Scholarship	20	300000
		Total	**1147**	**11312500**

Scholarship for Renewal 2021-22

Sl. No	Scheme	Name of Scholarship	Number of Scholarship	Total Amount in Rs.
1	Scheme-A (Category I)	Management Merit Scholarship (2018-19)	31	882000
2	Scheme-F	Periyar Sports Scholarship (2018-19)	5	44000
3	Scheme-B	Annai E.V.R. Nagammaiyar Scholarship for Women Based on Board Examination (2020-21)	1	25000
4	Scheme-C	Sir A.T. Panner Selvam Merit Scholarship (2020-21)	3	37750
5	Scheme-D	Dr. C. Natesanar Scholarship for NCC Cadets with 'A' Certificate / Widows / Dependants of Ex-service / Service Personnel (2020-21)	3	43000
6	Scheme-E	Dr. T.M.Nair Scholarship for Differently Abled Students (2020-21)	1	3000
7	Scheme-F	Annai E.V.R. Maniammaiyar Scholarship for First Generation Graduate (2020-21)	197	1050000
8	Scheme-A Category II	Management First Graduate Scholarship (2020-21)	23	460000
9	Scheme-I	Pulavar G. Imayavaramban Scholarship for Siblings of PMIST Students (2020-21)	13	56000
10	Scheme-J	Thalabathi Pattukottai Azhagiri Samy Scholarship for Wards of PMIST/ Sister Institutions' Employees (2020-21)	1	3000
11	Scheme-L	Mr. Rajarathinam and Mrs. Rajarathinam Scholarship for Students based on Socio-Economic status (2020-21)	1	3000

Sl. No	Scheme	Name of Scholarship	Number of Scholarship	Total Amount in Rs.
12	Scheme-Q	C. D. Natarajan Scholarship for First Generation Graduate (2020-21)	1	20000
13	Scheme-S	'Puthiya Paarvai' Dr. Natarajan Merit Scholarship (2020-21)	17	170500
14	Scheme-V	Swamy Kaivalyam Scholarship for Students from PMIST (2020-21)	38	287500
15	Scheme-B	Sports Scholarship (2017-18)	2	74000
16	Scheme-B	Management Merit Scholarship (2019-20)	2	31500
17	Scheme-C	EVR Nagammaiyar Scholarship for Widows / Destitute Women / Dependants of Ex-Service / Service Personnel (2019-20)	8	126000
18	Scheme-D	Kannammal Scholarship For Physically Challenged Students (2019-20)	5	32000
19	Scheme-E	Dr. Muthulakshmi Scholarship for First Generation Graduate (2019-20)	183	1457000
		Total	**535**	**4805250**
		2020-21	8	55000
		Over all Total	**543**	**4860250**

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the scholarships provided for students (New & Renewal for the Academic Year 2021-22).

Dean Academic 39.2.3 **TO CONSIDER AND APPROVE** the proposed Scholarship Schemes to be provided for students for the Academic year 2022-23.

Notes:

The proposed Scholarship Schemes to be provided for students for the Academic year 2022-23.

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the proposed Scholarship Schemes to be provided for students for the Academic year 2022-23.

Dean Academic 39.2.4   **TO CONSIDER AND APPROVE** the Proposal for Changing the Name of the Faculty and the attached Departments from the Academic Year 2022-23.

Notes:

Sl. No	Faculty Name and attached Departments (Existing)	Faculty Name and attached Departments (Proposed)	Remarks
1	**Faculty of Architecture and Planning (FAP)**	**Faculty of Architecture and Planning (FAP)**	No Change
	Department of Architecture	Department of Architecture	
2	**Faculty of Engineering and Technology (FET)**	**Faculty of Engineering and Technology (FET)**	Department of CSE is moved from Faculty of Computing Sciences and Engineering (FCSE) to Faculty of Engineering and Technology (FET)
	Department of Aerospace Engineering	Department of Aerospace Engineering	
	Department of Biotechnology	Department of Biotechnology	
	Department of Civil Engineering	Department of Civil Engineering	
	Department of Mechanical Engineering	Department of Mechanical Engineering	
	Department of Electrical and Electronics Engineering	Department of Electrical and Electronics Engineering	
	Department of Electronics and Communication Engineering	Department of Electronics and Communication Engineering	
		Department of Computer Science and Engineering	
3	**Faculty of Humanities, Sciences and Management (FHSM)**	**Faculty of Humanities and Management (FHM)**	Faculty of Humanities, Sciences and Management (FHSM) is renamed as Faculty of Humanities and Management (FHM). All the departments other than science related are retained in FHM.
	Department of Management Studies	Department of Management Studies	
	Department of Commerce	Department of Commerce	
	Department of Languages	Department of Languages	
	Department of Social Work	Department of Social Work	
	Department of Political Science	Department of Political Science	
	Department of Library and Information Science	Department of Library and Information Science	
	Department of Physical Education	Department of Physical Education	
	Department of Mathematics		
	Department of Physics		
	Department of Chemistry		
	Department of Education		
4	**Faculty of Computing Sciences and Engineering (FCSE)**	**Faculty of Science (FS)**	Faculty of Computing Sciences and Engineering (FCSE) is renamed as
	Department of Computer Science and Engineering		
	Department of Computer Science and Applications	Department of Computer Science and Applications	

	Department of Software Engineering	Department of Software Engineering	Faculty of Science (FS). All the science related departments are moved from FHSM to Faculty of Science
		Department of Mathematics	
		Department of Chemistry	
		Department of Physics	
		Department of Education	

The Matter is placed before the Academic Council for approval.

Dr.K.Thirumaran and Dr.V.Stalin, External Members, enquired the reason about shifting of the Department of Computer Science and Engineering from Faculty of Computing Sciences (FCSE) to Faculty of Engineering and Technology (FET).

Dr.P.K.Srividhya, Registrar replied that for official reasons and in order to group all the AICTE approved courses under one Faculty, the Department of Computer Science and Engineering is grouped under Faculty of Engineering and Technology (FET).

Resolution

RESOLVED TO APPROVE the Proposed change in the name of the Faculty and the attached Departments from the Academic Year 2022-23.

Dean Academic 39.2.5

TO CONSIDER AND APPROVE the specializations to be offered in the B.Tech Full time regular programmes from the Academic Year 2022-23.

Notes:

Sl. No	B.Tech Programme	Specialization
1.	B.Tech- Computer Science and Engineering	1. Artificial Intelligence and Machine Learning 2. Data Science
2.	B.Tech - Civil Engineering	1. GIS and Remote Sensing 2. Construction Technology
3.	B.Tech.- Electronics and Communication Engineering	1. Artificial Intelligence and Machine Learning 2. Robotics
4.	B.Tech.- Electrical and Electronics Engineering	1. Artificial Intelligence and Machine Learning 2.Robotics
5.	B.Tech.- Mechanical Engineering	1. Robotics 2. Energy Engineering
6.	Biotechnology	1.Computer Science & Biology
7.	B.Tech Aerospace Engineering	1. Robotics 2. GIS and Remote Sensing

The students opting for the above programmes required to earn 18 -20 more credits in the specified specialization in addition to the credits essential for obtaining the under graduate degree in major discipline. The courses related to the concerned specialization will be offered from the 3rd semester to 6th semester with a mini project (5 credits) in the 7th semester.

The Matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the specializations to be offered in B.Tech Full time regular programmes from the Academic Year 2022-23.

Dean Academic 39.2.6

TO CONSIDER AND APPROVE the following new programmes in the Department of Management Studies:

1. BBA (Logistics Management)
2. BBA (Tourism and Travel Management)

under Full Time from the Academic Year 2022-23.

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the new programmes to be offered in the Department of Management Studies.

Dean Academic 39.2.7

TO CONSIDER AND APPROVE the change of the division of Nanotechnology from the Department of Electronics and Communication Engineering to Department of Biotechnology

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the change of the division of Nanotechnology from the Department of Electronics and Communication Engineering to Department of Biotechnology.

3. **BUSINESS BROUGHT FORWARD BY FACULTY OF ENGINEERING AND TECHNOLOGY (FET)**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FET ECE 39.3.1

TO CONSIDER AND APPROVE the following additional programmes as eligible programmes to join Ph.D in ECE:

- B.Tech / B.E (Computer Science & Engineering / IT) with M.Tech / M.E Degree programme related to Electronics and Communication Engineering.
- MCA / M.Sc (Computer Science / IT /Physics) with M.Tech / M.E Degree programme related to Electronics and Communication Engineering.
- B.Tech (Aerospace / Aeronautics / Mechanical / Production) with M.Tech / M.E Degree programme related to Electronics and Communication Engineering.

Notes:

With interdisciplinary research gaining momentum in the international academic arena, the Department of Electronics and Communication Engineering is proposing to add the above programmes/combinations as eligibility to join Ph.D. in ECE.

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the given additional programmes as eligible programmes for joining Ph.D. in ECE.

DEPARTMENT OF MECHANICAL ENGINEERING

FET M.Tech.- RE 39.3.2

TO CONSIDER AND APPROVE For the M.Tech. Renewable Energy Programme under Part time mode, the course codes will be in the format "QRE followed by three digit number" instead of "PYRE followed by three digit number" (Office Note No. 746/Mech/PMIST/Dated 21.12.2021).

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE M.Tech. Renewable Energy Programme under Part time mode and the course codes will be in the new format: instead of "PYRE followed by three digit number; it will be given as QRE followed by three digit number" (Office Note No. 746/Mech/PMIST/Dated 21.12.2021).

4. BUSINESS BROUGHT FORWARD BY FACULTY OF HUMANITIES, SCIENCES AND MANAGEMENT (FHSM)

DEPARTMENT OF MANAGEMENT STUDIES

FHSM MBA 39.4.1

TO CONSIDER AND APPROVE the introduction of new elective in MBA programme for the students admitted from the Academic Year 2022-23.

Notes:

01 Business Analytics

This will be having the following courses:

- Marketing Analytics
- Data Mining
- Data Visualization for Managers
- Business Forecasting
- Data Science using R

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the introduction of new elective in MBA programme for the students admitted from the Academic Year 2022-23.

DEPARTMENT OF PHYSICS

FHSM Physics 39.4.2

TO CONSIDER AND APPROVE for the B.Sc. Physics (Regulations 2018 and 2021) – Allied Chemistry courses, under full time mode, the course codes will be in the format "XPH followed by three digit number" instead of "XCG followed by three digit number".

Notes:

The B.Sc. Physics (Regulations 2018 and 2021) – Allied Chemistry courses, under full time mode, the course codes will be in the format "XPH followed by three digit number" instead of "XCG followed by three digit number".

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE B.Sc. Physics (Regulation 2018 and 2021) – Allied Chemistry courses, under full time mode and the course codes will be in the format: "instead of "XCG followed by three digit number; it will be given as XPH followed by three digit number".

5. BUSINESS BROUGHT FORWARD BY DEAN RESEARCH

Research 39.5.1

TO INFORM AND RECORD the Ph.D Admission 2021-22.

Notes:

The details of admissions made for Ph.D. first session 2021-22:

> Full-Time : 8
>
> Part-Time : 7

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the number of Ph.D. candidates admitted for the academic year 2021-22.

Research 39.5.2

TO INFORM AND RECORD the list of research scholars who have completed their Public *Viva voce* Examination.

Notes:

Six (06) Research scholars who have completed their Public *Viva voce* Examination between September 2021 and January 2022 are listed below.

Sl. No	Name of the candidate / Reg. No	Department	Date of Public *Viva voce*	Thesis Title
1.	Mr.C.V.Govindan / 213012860007	Mechanical	16.09.2021	Defect Inspection Based on Segmentation and Defective Tracking in Welding Images with Orthogonal Polynomials
2.	Ms.A.Esther Zionia / 117011773004	Management Studies	29.09.2021	Talent Acquistion and talent retention strategies in IT/IteS sector, south and west Tamil nadu
3.	Ms.R.Poonguzhali / 210011854015	CSE	29.09.2021	Memory network based deep learning models for question answering system
4.	Ms.N.Thilagavathi / 213011854024	CSE	30.09.2021	A framework for enhancing web service composition and verification
5.	Mr.G.Sreelal / 116012753002	Civil Engineering	12.10.2021	Evaluation of Biogas from Sugarcane Trash through Anaerobic Digestion Process
6.	Ms.T.Kavitha/ 210011854014	CSE	29.11.2021	Improved YOLO Deep Learning Network Models for Better performance in Drone Detection

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the list of research scholars who have completed their Public *Viva voce* Examination.

Research 39.5.3 **TO INFORM AND RECORD** theses evaluation Reports received by Examiners and waiting for Public *Viva voce* examination.

Notes:

One (01) research scholar has received thesis evaluation Report and waiting for public *Viva voce* examination

Sl.No	Name / Department / Reg.No.	Date of Report Received	Title of the Thesis
1.	Ms.R.Sivagami / Management Studies / 217011865037	04.02.2022	Knowledge Management of Teaching Professionals in Schools in Thanjavur City

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD theses evaluation Reports received by Examiners and waiting for Public *Viva voce* examination.

Research 39.5.4 **TO INFORM AND RECORD** the List of Ph.D theses submitted

Notes:

Two (02) Research scholars have submitted their Ph.D theses

Sl. No	Name / Department / Reg.No.	Date of Submission	Title of the Thesis
1	Ms. D. Thaiyalnayaki/Civil 211011853006	16.09.2021	Quantification, Characterization, Leachate analysis and Assessment of ground water pollution near municipal Solid waste landfill – A Case Study
2	Mr.AR.Raghavan / Civil / 213012853013	01.10.2021	Surveillance of Groundwater quality in Thanjavur block and Development of Household level Iron Removal System

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the List of Ph.D. theses submitted.

Research 39.5.5 **TO INFORM AND RECORD** the Extension time granted to Research scholars.

Notes:

❖ Based on Research Advisory Committee recommendations four (04) registered research scholars have been granted extension of time up to one year.

Sl. No	Register No	Name	Department	Duration of extension	Date of completion of research programme	Extension up to
1.	212012857005	Mr.P.Sundaramoorthi	EEE	1 Year	19.09.2021	18.09.2022
2	214012857009	Mr.K.Kamaraj	EEE	1 Year	23.09.2021	22.09.2022
3	212012857005	Ms.K.Vedavalli	EEE	1 Year	25.09.2021	24.09.2022
4	214011864014	Ms.J.Meena	Chemistry	1 Year	25.09.2021	24.09.2022

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the Extension of time granted to Research scholars.

Research 39.5.6 **TO INFORM AND RECORD** the Scopus Indexed Publications.

As on 31st January 2022, **636** number of articles published in Scopus Indexed journals.

In the year 2022- 07 Publications

In the year 2021- 35 Publications

In the year 2020- 52 Publications

In the year 2019- 81 Publications

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the number of Scopus Indexed Publications.

Research 39.5.7 **TO INFORM AND RECORD** the Memorandum of Understanding (MoU) with Industries and Institutions.

Sl.No	Name of the Industry and Institution	Objectives / Scope / Major activities	MoU Date
1	Swifterz Creative Services (LLP), Coimbatore, Tamilnadu	➤ Collaborative research ➤ Exchange of Information on research and education programmes ➤ Joint proposals and engagement in research and training programmes sponsored by funding agencies ➤ Mutual training programmes for faculty and industrial personnel ➤ Placements of candidates with required qualifications and skill sets ➤ Industrial visits by faculty, researchers and students ➤ Project works / Internships	15.09.2021

Sl.No	Name of the Industry / Institution	Objectives / Scope / Major activities	MoU Date
2	Lexhive Corporate Services, Madurai, Tamilnadu	➢ Training Programmes for students ➢ Faculty Development Programmes for faculty Members ➢ Project works / Internships of students with required qualifications and skill sets ➢ Engaging in Consulting work related to corporate services with mutual consent	28.12.2021
3	Entrust Technology Services, Trichy, Tamilnadu	➢ Mutual training programmes for faculty and industrial personnel ➢ Collaborative Research ➢ Exchange of information on research and education programmes ➢ Project works / Internships ➢ Placement of candidates with requires qualifications and skill sets ➢ Expert lecture and workshop ➢ Joint Proposals and engagement in research and training programmes sponsored by funding Agencies	29.12.2021
4	Chennai Oscar Institute, Thanjavur, Tamilnadu	➢ Guest Lectures: Second part to extend the nessary support to deliver guest lecturers to the students of the First Party's requirement. ➢ Training: Second party will actively engage and provide the delivery of the training for all the students of the first party on the requirements of TNPSC, Bank, Railways, SSC and UPSC examinations.	31.12.2021
5	Prag Robotics Private Limited, Chennai, Tamilnadu	➢ Carry out research and developmental activities. ➢ Skill Development Courses (Value Add Courses) ➢ Faculty Development Program ➢ Industry Readiness Program ➢ Internship Program for deserving candidates based on set criterion	04.01.2022
6	SBA Matriculation Higher Secondary School, Mannargudi, Tamilnadu	➢ Training & Visits ➢ Gust Lectures ➢ Placement of Trained Students	03.02.2022

Sl.No	Name of the Industry / Institution	Objectives / Scope / Major activities	MoU Date
7	AK Electronix, Sivagangai, Tamilnadu	➢ Mutual training programmes for faculty members and industrial personnel ➢ Collaborative Research ➢ Exchange of information on research and education programmes ➢ Project Work / Internships ➢ Placement of candidates with required qualifications and skill sets ➢ Expert Lecture and Workshop ➢ Joint Proposals and Engagement in research and training programmes sponsored by funding Agencies	03.02.2022
8	Periyar Centenary Memorial Matriculation Higher Secondary School, Trichy, Tamilnadu	➢ Training & Visits ➢ Gust Lectures ➢ Placement of Trained Students	07.02.2022
9	Vels Institute of Science, Technology & Advanced Studies(VISTAS), (Deemed to be University) Pallavaram, Chennai, Tamilnadu	➢ Training Programmes, ➢ Guest Lectures for Students and Teachers, ➢ Workshops for Research Scholars ➢ Academic Cooperation to enhance the quality of Integrated Teacher Education Programme ➢ Multidisciplinary approach in Research	14.02.2022
10	Bon Secours College for Women, Thanjavur, Tamilnadu	➢ Exchange of information to develop Project plans ➢ Programs for exchanging Knowledge and Expertise. ➢ Exchange of Students for Training and Internship ➢ Collaborative Programmes for the Research and Development ➢ Joint Educational Programmes like Certificate Courses	11.02.2022

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the signed Memorandum of Understanding's (MoU) with other Industries and Institutions.

Research 39.5.8   **TO INFORM AND RECORD** the faculty Members Filed / Awarded / Granted Patents.

Sl.No	Name(s) of the innovators	Patent Number / Design Applications	Title of the IPR	Date of Filing	Status of
1.	Ms. N. Priya, AP / EEE Mr. K. Arun Ganesh, AP/EEE Mr. B. Balaji, AP/EEE	202141036845 A	Electricity Conservation System and Method Thereof	13.08.2021	Published 24.09.2021
2.	Dr.L.Jayanthi Assistant Professor / ECE	202141052319 A	5G Network Architectures to Next-Generation Terrestrial Broadcasting Platform Aligned Internet	15.11.2021	Published 03.12.2021
3.	Dr.D.Jeyasimman Associate Professor / Mechanical	2021107427 (Australia Patent)	Artificial Intelligence based smart computing on-Board ECU for predicting Vehicle Parts Reliability and Failure	25.08.2021	Granted 08.12.2021
4.	Dr,N,Muruganantham Associate Professor / EEE	202141056044 A	Estimating the State of Health of Lead-Acid Battery using Feed Forward Neural Network	03.12.2021	Published 10.12.2021
5.	Mr.C.M.Vivek AP / Mechanical Engineering	202141054026 A	IOT Based Morden Utensil Washing Machine	23.11.2021	Published 10.12.2021
6.	Dr.K.Lakshmi Professor / CSE	2021106051 (Australia Patent)	Collaborative Contact Layer based health data Multimodal Deep Learning model	19.08.2021	Granted 03.11.2021
7.	Periyar Technology Business Incubator	2305/CHE/2011	Vessel Polishing Apparatus	05.07.2011	Granted 09.02.2022

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the faculty Members Filed / Awarded / Granted the Patents.

Research 39.5.9 **TO INFORM AND RECORD** the Recognition of Research Supervisors Based on the Recommendations of the Research Supervisor Recognition committee; Four (4) faculties have been issued orders to guide Ph.D. Research scholars.

Sl. No	Name / Designation	Department	Recognition No
1.	Dr.C.Narmadha / Associate Professor	ECE	00.05.25.21
2.	Dr.R.Sathishkumar / Assistant Professor	Commerce	00.23.05.21
3.	Dr.N.Ramesh Kumar / Assistant Professor	Management Studies	00.14.21.21
4	Dr.D.Aarthi Saravanan / Assistant Professor	Political Science	00.18.13.21

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the Recognitions for Research Supervisors Based on the Research Supervisor Recognition committee's recommendations; Four (4) faculties have been issued order to guide Ph.D. Research scholars.

Research 39.5.10 **TO INFORM AND RECORD** the Institution Innovation Council PMIST Institution Innovation Council (IIC) has received 3.5 star for the year 2020-21 from Institution Innovation Cell (IIC) by MoE.

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD that PMIST Institution Innovation Council (IIC) has received 3.5 star for the year 2020-21 from Institution Innovation Cell (IIC) by MoE.

Research 39.5.11	**TO INFORM AND RECORD** the Atal Ranking of Institutions on Innovation Achievement (ARIIA).

TO INFORM AND RECORD the Atal Ranking of Institutions on Innovation Achievement (ARIIA).

PMIST is recognized in the band "PERFORMER" under the category "University & Deemed to be University (Private/Self Financed) (Technical)" in Atal Ranking of Institutions on Innovation Achievement(ARIIA) 2021, a flagship program of the Ministry of Education, Government of India on 29th December 2021.

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the PMIST's Atal Ranking for Institutions on Innovation Achievement (ARIIA).

Research 39.5.12

TO INFORM AND RECORD the selection of students for Mitacs Internship

Notes:

The following Six (6) third year students got selected for the MITACS Internship, which is fully funded and for 12 weeks in three different universities in Canada.

Sl. No	Student Name	Department	Topic	Country / Institution
1	Ms. Kaviya, J.S.	Biotechnology	Maskwiomin investigation of re-discovered Mi'KMAQ traditional skin remedy from Birch bark	Cape Breton University, Canada
2	Ms.Abirami R	Biotechnology	Maskwiomin investigation of re-discovered Mi'KMAQ traditional skin remedy from Birch bark	Cape Breton University, Canada
3	Ms. Samyuktha,S	Biotechnology	Integrated-Array of ultrasensitive Micro-Hall sensors for scanning probe of wireless wound-healing monitoring system	Cape Breton University, Canada
4	Ms. Sathya Priya V	Biotechnology	Integrated-Array of ultrasensitive Micro-Hall sensors for scanning probe of wireless wound-healing monitoring system	Cape Breton University, Canada

5	Ms. Sowndarya MC	Biotechnology	Investigating Microplastics in wastewater treatment processes using microfludic device	University of Manitoba, Canada
6	Mr.Hanupriyan S	Civil Engineering	Research on self-tapping-wood-screws	University of Northern British Columbia, Canada

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the selection of students for Mitacs Internship.

Research 39.5.13 **TO INFORM AND RECORD** the list of our faculty members availed the Research Incentive.

Sl. No	Name of the Teacher & Department	Purpose for claiming the incentive	Incentive (in Rs)
1.	Dr.K.Geetha, AP / ECE(Nanotech)	Journal Publication (SCI/WOS) (Impact factor: 2.187)	15,000
2.	Dr.K.Anbarasu, AP / Biotechnology	Journal Publication (SCI/WOS) (Impact factor: 3.667)	15,000
3.	Dr.Mohammad Danish, AP / Chemistry	Journal Publication (SCI/WOS)	15,000
4.	Dr.D.Jeyasimman, Asso. Prof./Mechanical	Journal Publication (Scopus)	9,000
5.	Dr.D.Ruby, AP / CSA Dr.J.Jeyachidra Asso. Prof. /CSA Dr.A.E.Narayanan, Asso. Prof. /CSE	Conference Publication (IEEE International conference on Intelligent Technologies (CONT 2021)	2500
6.	C.M.Vivek AP / Mechanical Engg. P.K.Srividhya Professor/ Mechanical Engg.	Conference Publication (Materials Today: Proceedings)	2500
7.	Mr.R.K.Muthuraman AP / Aerospace Engg.	Conference Publication (Materials Today: Proceedings)	2500
8.	Dr. J. Jeyachidra Professor / Dean FCSE	Journal Publication (SCI/WOS) (Impact factor: 2.047)	10,000
9.	Dr. S. Gomathi, AP / Chemistry	Journal Publication (WOS / Scopus) (Impact factor:1.2)	10,000

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the list of our faculty members availed Research Incentives.

Research 39.5.14   **TO INFORM AND RECORD** the Seed Money Rs.30,000/- sanctioned to Dr.K.Geetha, Assistant Professor Nanotech Division, Department of ECE for the project "Electrospun organic nanocomposite Band-Aid for wound healing–Phase II".

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the Seed Money amount Rs.30,000/- sanctioned to Dr.K.Geetha, Assistant Professor Nanotech Division, Department of ECE for the project "Electrospun organic nanocomposite Band-Aid for wound healing–Phase II".

Research 39.5.15   **TO INFORM AND RECORD** the Engineers Day award.

The list of faculty members & students have received Engineers Day award from the PMIST.

Sl. No	Name of the Faculty / Students	Award Amount (in Rs.)
1.	Dr.C.Narmadha, Associate Professor /ECE	1000
2.	Dr.K.Geetha, AP / ECE, Nano Division	1000
3.	Dr.C.Vimala, Associate Professor / Mathematics	1000
4.	Dr.P.Dhavakumar, AP / CSE	1000
5.	Dr.S.Kumaran, Associate Professor / Biotechnology	1000
6.	Ms.V.Kavithayeni, M.Tech Nanotech Alumnus (2015-2020)	1000
7.	Mr.S.Akash Prabu, M.Tech Nanotech Alumnus (2015-2020)	1000

The matter is placed before the Academic Council for information and record.

Resolution

RESOLVED TO TAKE ON RECORD the number of faculty members & students has received Engineers Day Award from PMIST.

| **Research** | **TO CONSIDER AND APPROVE** the proposal to start new Research |
| **39.5.16** | Journals. |

Note:

It is proposed to start four different Journals to publish research papers from the Academic Year 2022-23 in the following four disciplines.

1. Architecture
2. Engineering and Technology
3. Science
4. Humanities and Management

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the proposal for starting new Research Journals.

| **Research** | **TO INFORM AND RECORD** the Book / Chapter in Book |
| **39.5.17** | Ten (10) Book / Chapter in Book have published by faculty and students |

1	Name of the Authors	Dr.K.V.Rajandran, Professor / Management Studies
	Title of the Book 1	Teaching Methodology-Maximizing the students' Performance and Teachers' abilities
	Publisher	Duraigo Publications, Arumbakkum, Chennai- 600106
	ISBN No.	9-788195-200443
2	Name of the Authors	Dr.K.V.Rajandran, Professor / Management Studies
	Title of the Book 2	Training and Development for Competitive and Dynamic Environment
	Publisher	Duraigo Publications, Arumbakkum, Chennai- 600106
	ISBN No.	9-789392-633003
3	Name of the Authors	Dr.P.Guru, Associate Professor / Management Studies Dr.J.Sathyapriya, Associate Professor / Management Studies
	Title of the Book 1	Holistic Business Environment in Corona Phase
	Publisher	Shanlax Press, 66 TPK Main Road, Vasantha Nagar, Madurai-625003
	ISBN No.	978-9391772-03-1
4	Name of the Authors	Dr. K. Geetha, Asst. Prof. Division of nanotech, Department of ECE, Dr. A. Ashokkumar, Assoc. Prof. Dept. of Biotechnology, Dr. S. Kumaran, Assoc. Prof. Department of Biotechnology
	Title of the Book	Handbook of Carbon Nanotubes – Springer
	Title of Book Chapter	Carbon Nanotubes in Regenerative Medicine
	Publisher	Springer
	ISBN No.	e-ISBN (978-3-319-70614-6)

5	Name of the Authors	Professor S. Suppiah, Civil Engineering
	Title of the Book	Current Approaches in Science and Technology Research Vol.11
	Title of Book Chapter	Bamboo Reinforced Panels for Fence Walls
	4	B P International
	ISBN No.	978-93-91473-50-1
6	Title of the Book	Intelligent Technologies for Science and Engineering
	Book chapter title	Computational Biology & Bioinformatics
	Publisher	Krishna Publication House
	ISBN No.	978-93-90627-22-6
	Author for chapter	Ms.P.Mala, AP / Biotechnology
7	Title of the Book	Intelligent Technologies for Science and Engineering
	Book chapter title	Biomaterials Materials and Applications
	Publisher	Krishna Publication House
	ISBN No.	978-93-90627-22-6
	Author for chapter	Ms.P.Mala, AP / Biotechnology Dr.J.Jayarubi, AP / Physics
8	Title of the Book	Environment in 21st Century
	Book chapter title	Challenges to the Environment Degradation and Their Mitigation
	Publisher	Kripa-Drishti Publications
	ISBN No.	978-93-90847-57-0
	Author for chapter	Ms.P.Mala, AP / Biotechnology
9	Title of the Book	Environment in 21st Century
	Book chapter title	Environment and Human Population
	Publisher	Kripa-Drishti Publications
	ISBN No.	978-93-90847-57-0
	Author for chapter	Ms.P.Mala, AP / Biotechnology
10	Title of the Book	Frontiers in Life Science, Volume IV
	Book chapter title	Study the in vitro Determination of Vmax and Km In Enzyme Activity
	Publisher	Bhumi Publishing
	ISBN No.	978-81-953600-5-5
	Author for chapter	Ms.P.Mala, AP / Biotechnology

The matter is placed before the Academic Council for record.

Resolution

RESOLVED TO TAKE ON RECORD the Ten (10) Book / Chapter publication details of faculty and students

MINUTES OF THE TABLE AGENDA AND NOTES

6. BUSINESS BROUGHT FORWARD BY THE VICE-CHANCELLOR

VC 39.6.1 **TO CONSIDER AND APPROVE** offering B.A.- Journalism and Mass Communication under Full-Time from the Academic Year 2022-23.

Notes:

Based on the number of enquiries, it is proposed to offer B.A. Journalism and Mass Communication under Full-Time programme from the Academic Year 2022-23.

Name of the Programme	Academic Year	Intake	Eligibility
B.A.- Journalism and Mass Communication	2022-23	30	Candidate should have passed 10 +2 examination or equivalent

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE offering B.A.- Journalism and Mass Communication under Full-Time from the Academic Year 2022-23.

7. ANY OTHER POINTS - WITH THE PERMISSION OF THE CHAIR.

The Hon'ble Vice-Chancellor informed all the Academic Council Member that Dr.P.K.Srividhya, Registrar i/c has assumed the Office as the Registrar and Dr.A.George, Professor, Department of Mathematics assumed the Office as Dean Academic.

Dr.P.K.Srividhya, Registrar informed that the Periyar Maniammai Institute of Science & Technology (PMIST) is recognized as National Cyber Defence Resource Center (NCDRC) by the National Cyber Safety and Security Standards (NCSSS), New Delhi for the purpose of creating extensive awareness across the Country and carrying out training and research programmes in National Cyber Security.

She also informed that NAAC has accredited PMIST with "B++" Grade in the 3rd Cycle NAAC Accreditation Process. However, appeal has been raised for a few criteria and re-document verification process is under progress.

Dr.V.Stalin, External Member appreciated that all the academic activities organized by the Departments and the gradual increase in the number of Publications.

Dr.P.K.Srividhya, Registrar thanked all the members for their participation.

REGISTRAR
Secretary, Academic Council