



## **MINUTES OF FORTY FIRST MEETING OF THE ACADEMIC COUNCIL**

**Date : 10.12.2022**

**Venue: Richard Dawkins Hall**

**Time : 10.30 A.M**

**Place : PMIST, Vallam – Thanjavur**

The Forty First Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 10.12.2022 at 10.30 a.m.

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

### **The following Academic Council Members were present**

1.	Dr.D.Aarthi Saravanan	Member
2.	Dr.A.Anand Jerard Sebastine	Member
3.	Dr.S.Arumugam	Member
4.	Dr.A.P.Aruna	Member
5.	Dr.P.Aruna	Member
6.	Dr.S.Asokan	Member
7.	Dr.S.Buvaneswari	Member
8.	Dr.K.Geetha	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.N.Jayanthi	Member
15.	Dr.J.Jeyachidra	Member
16.	Mr.I.Karthic Subramaniayan	Member
17.	Dr.R.Kathiravan	Member
18.	Dr.T.Kavitha	Member

19.	Dr.K.Kesavan	Member
20.	Dr.S.P.Kulanthaivel Babu	Member
21.	Dr.D.Kumar	Member
22.	Dr.S.Kumaran	Member
23.	Dr.D.Maghesh Kumar	Member
24.	Dr.B.Mahendra Mohan	Member
25.	Dr.Nam.Srinivasan	Member
26.	Dr.C.Narmadha	Member
27.	Prof.Dr.G.Palanithurai	External Member
28.	Dr.S.Parameswaran	Member
29.	Mr.A.Pugazhenth	Member
30.	Dr.C.Rajanandhini	Member
31.	Dr.KVR.Rajandran	Member
32.	Mr.R.Rakesh	Member
33.	Dr.D.Ramesh	Member
34.	Ar.N.Ramesh Babu	Member
35.	Dr.D.Ruby	Member
36.	Dr.J.Santhosh	Member
37.	Dr.J.Sathyapriya	Member
38.	Dr.K.Selvakumar	Member
39.	Dr.K.Selvam	Member
40.	Dr. S.Senthamil Kumar	Member
41.	Dr.M.A.Sikandar	External Member
42.	Dr.V.K.Stalin	External Member
43.	Dr.C.V.Subramanian	Member
44.	Dr.S.Suppiah	Member
45.	Dr.D.Thaiyalnayaki	Member
46.	Dr.K.Thirumaran	External Member
47.	Dr.D.Umameheswari	Member
48.	Dr.P.Vijayalakshmi	Member

### **ADDRESS BY THE VICE-CHANCELLOR**

Hon'ble Chair Person welcomed all the Internal & External Members of the Academic Council. He informed that Institution's Innovation Council of PMIST was awarded 3 Star Rating in Institution's Innovation Council Performance for the year 2021-2022. Also he presented all the academic activities held in the campus.

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

**VC 41.1.1 TO CONSIDER AND APPROVE** the confirmation of the minutes of the 40<sup>th</sup> Academic Council Meeting held on 27.08.2022.

##### **Notes:**

The Minutes of the 40<sup>th</sup> Academic Council Meeting held on 27.08.2022 was communicated to all members. No dissent / corrections have been received from members. The same was circulated among the Hon'ble members of Board of Management on 12.10.2022 and got approved.

The matter is placed before the Academic Council for approval.

##### **Resolution**

**RESOLVED TO APPROVE** the confirmation of the minutes of the 40<sup>th</sup> Academic Council Meeting held on 27.08.2022.

**VC 41.1.2 TO CONSIDER AND APPROVE** the renewal of the publication of the following journals which were published with ISBN Number by the respective Faculties of the department and subsequently discontinued during the year 2013.

- Journal of Engineering and Technology
- Journal of Humanities and Sciences
- Journal of Computing Sciences and Engineering

Further it is planned to start the publication of the new journal by the Faculty of Architecture and Planning from the year 2023 onwards.

- Journal of Architecture and Planning

The matter is placed before the Academic Council for approval.

## Resolution

**RESOLVED TO APPROVE** the renewal of the publication of the three journals and publication of New Journal.

**VC 41.1.3 TO CONSIDER AND RATIFY** the course works offered for the Research scholars registered from the academic year 2021-22 under Regulations 2022.

### Notes:

The respective Doctoral Committees of the following Departments have discussed and finalized the course work syllabi for the Research Scholars registered from the academic year 2021-22. The list is given below:

Sl. No	Department	Sub. Code	Subject Title	Credit			
				L	T	P	C
1.	Civil Engineering	RCE059	Isotope Techniques in Water Resources Management	3	0	0	3
2.	Civil Engineering	RCE058	Management Information Systems	3	0	0	3
3.	Civil Engineering	RCE056	Quantitative Techniques in Management	3	0	0	3
4.	Civil Engineering	RCE057	Resource Management and control in construction	3	0	0	3
5.	Civil Engineering	RCEON8	Finite Element Method and Computational Structural Dynamics (NPTEL Course)	3	0	0	3
6.	Civil Engineering	RCE060	Design Of Connections In Steel Structures	3	0	0	3
7.	Civil Engineering	RCE061	Optimization of Structures	3	0	0	3
8.	Management Studies	RBA067	Green Banking System	3	0	0	3
9.	Management Studies	RBA068	Sustainable Banking	3	0	0	3
10.	Management Studies	RBA069	E-Banking Technology	3	0	0	3
11.	Languages	REG036	Life & Works of Octavia E. Butler	3	0	0	3
12.	Languages	REG037	Themes & Techniques in the works of Octavia E. Butler	3	0	0	3
13.	Languages	REG038	An Introduction to Post colonialism	3	0	0	3
14.	Mechanical Engineering	RME039	Advanced Heat and Mass Transfer	3	0	0	3

Sl. No	Department	Sub. Code	Subject Title	Credit			
				L	T	P	C
15.	ECE	REC045	Advanced Digital Image Processing	3	0	0	3
16.	ECE	REC046	Pattern Recognition	3	0	0	3
17.	ECE	REC047	Soft Computing Techniques	3	0	0	3
18.	Social Work	RSW006	Women Development	4	0	0	4
19.	Chemistry	RCY015	Advanced Nanomaterials for Biological and Energy storage systems	3	0	0	3
20.	Chemistry	RCYON3	Nanotechnology and Nanosensors Part-I (Online)	3	0	0	3
21.	Chemistry	RCYON4	Nanotechnology and Nanosensors Part-II (Online)	3	0	0	3
22.	Biotechnology	RBT035	Cancer Immunology	3	0	0	3
23.	Biotechnology	RBT036	Molecular Biology of Cancer	3	0	0	3
24.	Biotechnology	RBT037	Bone Cancer	3	0	0	3
25.	Management Studies	RBA070	Agricultural Economic Development	3	0	0	3
26.	Management Studies	RBA071	Agri Import and Export Management	3	0	0	3
27.	Management Studies	RBA072	Agricultural Marketing	3	0	0	3
28.	Management Studies	RBA073	Labour Law	3	0	0	3
29.	Management Studies	RBA074	Principles of Human Resource Management	3	0	0	3
30.	Management Studies	RBA075	Livelihood and Social Audit	3	0	0	3
31.	Languages	REG036	Afghan Literature	3	0	0	3
32.	Languages	REG037	Contemporary Afghan Writing in English	3	0	0	3
33.	Languages	REG038	Literary Theories and Approaches	3	0	0	3
34.	Architecture	YARON08	Urban Upgrading for Inclusion, Sustainability and Resilience in a time of Global Pandemics (Online)	3	0	0	3
35.	Architecture	YARON09	Sustainable Urban Land Use Planning (Online)	2	0	0	2
36.	Mathematics	RMA020	Fuzzy Set Theory	3	0	0	3
37.	Mathematics	RMA021	Applications of Fuzzy Set Theory	3	0	0	3

The matter is placed before the Academic Council for ratification.

### **Resolution**

**RESOLVED TO RATIFY** the course works offered for the Research scholars registered from the academic year 2021-22 under Regulations 2022.

**VC 41.1.4 TO CONSIDER AND RATIFY** the Changes in the L: T: P: C for III and IV semester courses offered and to approve the syllabus for all the Mathematics courses offered from Semester I to Semester IV to various B.Tech programmes (Regulation 2021).

**Notes:**

Mathematics Courses

Regulation 2021 of Engineering programmes

The credit of the mathematics courses offered for all the Engineering programmes which were approved by the BOS of the Department of Mathematics during 2018 and framed as per the AICTE guidelines.

Existing				Proposed				Courses offered	Semester
L	T	P	C	L	T	P	C		
3	1	0	4	3	0	0	3	III and IV	

The matter is placed before the Academic Council for ratification.

**Resolution**

**RESOLVED TO RATIFY** the Changes in the L: T: P: C for III and IV semester courses offered and to approve the syllabus for all the Mathematics courses offered from Semester I to Semester IV to various B.Tech programmes (Regulation 2021).

**VC 41.1.5 TO CONSIDER AND RATIFY** Syllabus for (i) Human Ethics, Values, Rights and Gender Equality and (ii) Environmental Studies for the UG programmes (B.Com, B.Sc, B.A, B.B.A & B.C.A) (Regulation 2022) for the candidates admitted from 2022–23 onwards.

**Notes:**

The Board of Studies of Department of Chemistry recommended the Syllabus for (i) Human Ethics, Values, Rights and Gender Equality (ii) Environmental Studies, for the UG programmes (B.Com, B.Sc, B.A, B.B.A & B.C.A) (Regulation 2022) for the candidates admitted from 2022 –23 onwards. The syllabus is given in the Board of Studies minute's document attached as Annexure.

S. No	Department	Sub.Code	Subject Title	Credit				
				L	T	P	SS	C
1	Chemistry	XUM001	Human Ethics, Values, Rights and Gender Equality	1	0	0	1	1
2	Chemistry	XUM002	Environmental Studies	1	0	0	1	1

The matter is placed before the Academic Council for ratification.

### **Resolution**

**RESOLVED TO RATIFY** Syllabus for (i) Human Ethics, Values, Rights and Gender Equality and (ii) Environmental Studies, for the UG programmes (B.Com, B.Sc, B.A, B.B.A & B.C.A) (Regulation 2022) for the candidates admitted from 2022–23 onwards.

## **2. BUSINESS BROUGHT FORWARD BY DEAN ACADEMIC**

**DEAN  
ACADEMIC  
41.2.1**

**TO CONSIDER AND APPROVE** the examination details

1. Proposed to introduce Flexible Question Paper pattern from the Academic Year 2023-24 onwards.
2. To introduce Open Book Examinations for Continuous Internal Assessment from the Even Semester of the academic year 2022-23.

### **Justification:**

One of the essential criteria of OBE, is to follow flexibility in Question Paper design/pattern. Flexible Question Papers for Ph.D course work is already in practice and it is to be extended to all the PG & UG degree programmes.

The matter is placed before the Academic Council for approval.

**Dr.A.George, Dean Academic informed that the Open Book Examination will be practiced only in Internal Assessments from Even Semester 2022-23 onwards.**

### **Resolution**

**RESOLVED TO APPROVE** the examination details.

**DEAN  
ACADEMIC  
41.2.2**

**TO CONSIDER AND APPROVE** to relax the conditions for supplementary examinations based on individual courses attendance.

### **EXPLANATION:**

As per our existing norms, the students whose overall attendance is between 65% and 75% are permitted to appear only in supplementary exams, even though such students have required attendance of more than 75% in some of the subjects. Hence, students may be permitted for regular End Semester Examination in those subjects wherein the attendance is above 75%.

The matter is placed before the Academic Council for approval.

### **Resolution**

**RESOLVED TO APPROVE** to relax the conditions for supplementary examinations based on individual courses attendance.

**DEAN  
ACADEMIC  
41.2.3**

**TO CONSIDER AND APPROVE** the Proposal for Changing the Name of the Faculty and the attached Departments (from January 2023).

Sl. No	Faculty Name and attached Departments (Existing)	Sl. No	Faculty Name and attached Departments (Proposed)	Remarks
1	<b>Faculty of Architecture and Planning (FAP)</b>	1	<b>Faculty of Architecture and Planning (FAP)</b>	No Change
	Department of Architecture		Department of Architecture	
2	<b>Faculty of Engineering and Technology (FET)</b>	2	<b>Faculty of Engineering and Technology (FET)</b>	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	<b>Faculty of Computing Sciences and Engineering (FCSE)</b>	3	<b>Faculty of Computing Sciences and Applications</b>	Faculty of Computing Sciences and Engineering (FCSE) is renamed as Faculty of Computing Sciences and Applications  Department of Computer Science and Applications will be offering BCA and B.Sc.-Data Science programmes  Department of Computer Applications will be offering MCA programme
	Department of Computer Science and Applications		Department of Computer Science and Applications  Department of Computer Applications	
	Department of Software Engineering		Department of Computer Science	Department of Software Engineering is renamed as Department of Computer Science
	Department of Computer Science and Engineering			Department of Computer Science and Engineering is moved to Faculty of Engineering and Technology (FET)
4	<b>Faculty of Humanities, Sciences and Management (FHSM)</b>	4	<b>Faculty of Management</b>	Department of Business Administration will be offering BBA, BBA(HM) BBA (LCSM) programmes  Department of
	Department of Management Studies		1. Department of Business Administration  2. Department of Management Studies	

				Management Studies, will be offering MBA programme  Faculty of Humanities, Sciences and Management (FHSM) is divided into Faculty of Management, Faculty of Arts and Faculty of Science and departments regrouped accordingly. .
		<b>5</b>	<b>Faculty of Arts</b>	
	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	
		<b>6</b>	<b>Faculty of Sciences</b>	
	Department of Mathematics		Department of Mathematics	
	Department of Physics		Department of Physics	
	Department of Chemistry		Department of Chemistry	
	Department of Education		Department of Education	
	Department of Library and Information Science		Department of Library and Information Science	
	Department of Physical Education		Department of Physical Education	

The matter is placed before the Academic Council for approval.

### Resolution

**RESOLVED TO APPROVE** the Proposal for Changing the Name of the Faculty and the attached Departments (from January 2023).

**DEAN  
ACADEMIC  
41.2.4**

**TO CONSIDER AND APPROVE** introducing Four year UG Degree programme.

#### Notes:

It is proposed introduce 4 year UG Degree programmes in all the disciplines where 3 year UG programmes are offered in FCSE and FHSM from the academic year 2023-24 onwards.

The matter is placed before the Academic Council for approval.

### Resolution

**RESOLVED TO APPROVE** introducing Four year UG Degree programme.

**DEAN  
ACADEMIC  
41.2.5**

**TO CONSIDER AND APPROVE** starting of new programmes.

#### Notes:

It is proposed to start the following new programmes in the forthcoming Academic Year 2023-24 onwards.

1. M.Sc.- Data Science
2. M.Sc.-Biotechnology

3. M.Ed
4. B.A.,B.Ed in Humanities - 4 Years Integrated degree programme
5. B.Sc.-Cyber Security

The matter is placed before the Academic Council for approval.

#### **Resolution**

**RESOLVED TO APPROVE** starting of new programmes.

#### **DEAN ACADEMIC 41.2.6**

**TO CONSIDER AND APPROVE** to register PMIST in the Academic Bank of Credits (ABC) platform.

#### **Notes:**

It is proposed to register PMIST in the Academic Bank of Credits (ABC) platform

The matter is placed before the Academic Council for approval.

#### **Resolution**

**RESOLVED TO APPROVE** to register PMIST in the Academic Bank of Credits (ABC) platform.

#### **DEAN ACADEMIC 41.2.7**

**TO INFORM AND RECORD** the details of the feedback on curricular aspects taken during academic year 2021-22.

#### **Notes:**

All the departments of this institute collected, analyzed and initiated actions on feedback on curricular aspects from the following stakeholders.

Students, Teachers, Alumni and Employers

The analysis and action taken/initiated report compiled department wise is given in Annexure X1 and X2.

The learners allocation of time towards curriculum is obtained from the student feedback. The learners experience on motivation, skill development and balance of lab/theory components of the curriculum are also given.

The teachers feedback gives information about the time requirement, prerequisite and fulfillment of latest trends.

The employer's feedback concentrates on the classroom and practice components of the syllabus. They also check for the length and breadth of the syllabus needed for a student to easily integrate into the workforce without much training.

The alumni feedback checks the implementation of Outcome Based Education by the syllabus. The feedback also gives information about the contemporary requirement of the industry.

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

### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the details of the feedback on curricular aspects taken during academic year 2021-22.

**DEAN ACADEMIC** **41.2.8** **TO INFORM AND RECORD** the scholarships provided for students (Fresh for the Academic Year 2022-23).

### **Scholarship (Fresh) – 2022-23**

<b>Sl. No.</b>	<b>Scheme</b>	<b>Name of Scholarship</b>	<b>Number of Scholarship</b>	<b>Total Amount in Rs.</b>
1	Scheme -A	Merit Scholarship	720	7696500
2	Scheme -B	First Graduate Scholarship	326	2817500
3	Scheme -C	Farmer Children Graduate Scholarship	87	567000
4	Scheme -D	Single parent Children Scholarship	73	543000
5	Scheme -E	Sports Scholarship	16	81000
6	Scheme -F	Special Scholarship	18	255000
7	Scheme -G	PMIST Employee Ward Scholarship	15	326000
8	Scheme -H	PMIST Alumni Scholarship	107	909000
9	Scheme -I	Physically Challenged Scholarship	4	30000
10	Scheme -J	Siblings Scholarship	43	420000
11	Scheme -L	Management Scholarship	2	22000
		<b>Total</b>	<b>1411</b>	<b>13667000</b>
		Renewal Management Scholarship 2022-23	10	110000
		<b>Grand Total</b>	<b>1421</b>	<b>13777000</b>

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

### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the scholarships provided for students (Fresh for

the Academic Year 2022-23).

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

#### **DEPARTMENT OF BIOTECHNOLOGY**

**FET  
M.Tech.-  
Nano  
41.3.1**

**TO CONSIDER AND APPROVE** the eligibility for admission to M.Tech Nanotechnology as B.E. or B.Tech.(Biotechnology/Chemical/Civil/ Mechanical/ ECE/EEE) or M.Sc.(Biotechnology /Microbiology/ Biochemistry/ Physics/ Chemistry/ Material Science) from the academic year 2023-24 onwards.

The matter is placed before the Academic Council for approval.

#### **Resolution**

**RESOLVED TO APPROVE** the eligibility for admission to M.Tech Nanotechnology as B.E. or B.Tech.(Biotechnology/Chemical/Civil/ Mechanical/ ECE/EEE) or M.Sc.(Biotechnology /Microbiology/ Biochemistry/ Physics/ Chemistry/ Material Science) from the academic year 2023-24 onwards.

**FET  
B.Tech.-  
Biotech  
41.3.2**

**TO CONSIDER AND APPROVE** new value-added courses offered (Regulation 2021 Revision-1).

1. Atomic and molecular properties of Protein – Molecular dynamics
2. Drug-target interaction
3. Solvation of compound and Conformational changes of protein under various condition
4. Vermicompost and bio-methanation
5. Biomaterials
6. Protein engineering
7. Food processing
8. Bioproduct development using fermenter
9. Bioanalytical techniques

The matter is placed before the Academic Council for approval.

#### **Resolution**

**RESOLVED TO APPROVE** new value-added courses offered (Regulation 2021 Revision-1).

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

**FHSM  
Chemistry  
41.4.1**

**TO CONSIDER AND APPROVE** Syllabus of Open Elective Course Climate Change (XCYOE3) for all UG programmes.

**Notes:**

The Board of Studies of Department of Chemistry recommended the Syllabus of Open Elective Course Climate Change (XCYOE3) for all UG programmes.

The syllabus is given in the Board of Studies minute's document attached as Annexure.

Sl. No	Department	Sub.Code	Subject Title	Credit				
				L	P	T	SS	T
1	Chemistry	XCYOE3	Climate Change	3	0	0	0	3

The matter is placed before the Academic Council for approval.

**Resolved to approve the syllabus of Open Elective course XCYOE3 Climate Change for all UG programmes from the academic year 2022-23 (even semester) onwards.**

**Resolution**

**RESOLVED TO APPROVE** Syllabus of Open Elective Course (XCYOE3- Climate Change) for all UG programmes.

**DEPARTMENT OF MATHEMATICS**

**FHSM  
Maths  
41.4.2**

**TO CONSIDER AND APPROVE** the Changing the L: T: P: C for III and IV semester courses offered and to approve the syllabus for all the Mathematics courses offered from Semester I to Semester IV to various B.Tech programmes (Regulation 2021).

The Mathematics courses offered to all the B.Tech Programmes (Regulation 2021) is given below. The courses are framed and approved by the BOS of the Department of Mathematics conducted on 19.04.2019 and subsequently approved in 32<sup>nd</sup> Academic council held on 31.05.2019.

**Notes:**

The Board of Studies met on 11.10.2022 to review and approve the Change of the L: T: P: C for III and IV semester courses offered and to approve the syllabus for all the Mathematics courses offered from Semester I to Semester IV to various B.Tech programmes (Regulation 2021).

Maths	Course Code	Course Name	L:T:P:C	Aero	Bio	Civil	CSE	ECE	EEE	Mech
M-I	XMA101	Calculus and Linear Algebra	3:1:0:4	√	√	√	√	√	√	√
M-II	XMA201	Calculus, Ordinary Differential Equations and Complex variable	3:1:0:4	√	√	√	√	√	√	√
M-III	XMA301	Transforms and Partial Differential Equations	3:0:0:3	√		√		√	√	√
	XPS301	Probability and Statistics	3:0:0:3		√		√			
M-IV	XMA401	Probability Distributions And Statistical Methods	3:0:0:3	√		√			√	√
	XEC401	Probability theory and Stochastic Processes	3:0:0:3					√		
	XCS401	Discrete Mathematics	3:0:0:3				√			

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Changing the L: T: P: C for III and IV semester courses offered and to approve the syllabus for all the Mathematics courses offered from Semester I to Semester IV to various B.Tech programmes (Regulation 2021).

**5. BUSINESS BROUGHT FORWARD BY DEAN RESEARCH**

**Dean Research 41.5.1** **TO CONSIDER AND APPROVE** to implement the UGC Ph.D Regulation 2022

**Notes:**

PMIST has to implement UGC Ph.D regulation 2022.

Sl. No.	UGC Ph.D regulation 2022	Regulation in PMIST 2022
1	The Credit requirement for the Ph.D. coursework is a minimum of 12 credits, including a “Research and Publication Ethics”.	14 credits: Research Methodology in 3 credits Research Publication and Ethics 2 credits Research Course work papers (3 credits x 3 papers= 9 credits)
2	Research Publications : UGC is not insisting	2 Research Publications indexed in Scopus / Web of Science
3	Additionally, Open Seminar 1 and Open Seminar 2 before synopsis is mandatory for the research scholars and is already in practice in PMIST.	

The matter is placed before the Academic Council for Approval.

**Dr. P.K.Srividhya, Registrar asked the office of the Dean Research to prepare the PMIST Research Guidelines incorporating all the modifications brought in to the existing guidelines on par with the UGC Ph.D. Regulations 2022.**

#### **Resolution**

**RESOLVED TO APPROVE** to implement the UGC Ph.D Regulation 2022

**Dean Research 41.5.2** **TO CONSIDER AND APPROVE** the research supervisor who has resigned can act as a supervisor for only six months from the date of resignation.

The matter is placed before the Academic Council for Approval.

#### **Resolution**

**RESOLVED TO APPROVE** the research supervisor who has resigned can act as a supervisor for only six months from the date of resignation.

**Dean** **TO CONSIDER AND APPROVE** registration of the Ph.D., programme during



**Research** the month June to July every year.

**41.5.3**

**Notes:**

Research scholars should pay the fees every year as prescribed by the institute during the month of June to July for registration of the Ph.D., programme, failing which, the registration stands cancelled.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** registration of the Ph.D., programme during the month June to July every year.

**Dean**  
**Research**  
**41.5.4**

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

**Notes:**

Five (5) Research scholars who have defended their thesis in the Public *Viva voce* during the period from June 2022 to November 2022 are listed below:

Sl. No	Name of the candidate / Reg. No	Department	Date of Public <i>Viva voce</i>	Thesis Title
1	Ms.Anupa Kattil Prabhakaran / 217011865036	Management Studies	27.07.2022	Impact of Occupational Stress and Work Life Balance on Job Satisfaction of Bank Employees in Kozhikode District
2	Mr.G.Saravana Perumal/ 217012852026	Biotechnology	29.07.2022	Age appropriate Novel Oral Dosage Form Design of a Third Generation Cephalosporin
3	Mr.AR.Raghavan / 213012853013	Civil	16.08.2022	Surveillance of Groundwater quality in Thanjavur block and Development of Household level Iron Removal System
4	Ms.C.Rajanandhini / 212011856014	ECE	18.08.2022	Performance Analysis of ICA based Carrier

				frequency offset estimation for Multiband OFDM based UWB systems
5	Ms.Seba Susan John / 216011862015	English	21.11.2022	Representation of the marginalized and Resistance: A Feministic study of the select writing of K.R.Meera

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

### Resolution

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

**Dean Research 41.5.5** **TO INFORM AND RECORD** thesis evaluation Report received from Examiners and waiting for Public *Viva voce*.

#### Notes:

One (1) research scholar has received thesis evaluation Report and waiting for public *Viva voce*.

Sl.No	Name / Department / Reg.No.	Date of Report Received	Title of the Thesis
1	Mr.K.Soundararajan / Chemistry/ 210012864006 DoJ: 11.10.2010	09.11.2022	Structural studies on selected intermediates of pharmaceutical importance and some of their Schiff bases and salts

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

### Resolution

**RESOLVED TO TAKE INTO RECORD** thesis evaluation Report received from Examiners and waiting for Public *Viva voce*.

**Dean Research 41.5.6** **TO INFORM AND RECORD** the List of Ph.D thesis submitted

#### Notes:

One (1) Research scholar has submitted his Ph.D thesis

Sl.No	Name / Department	Date of	Title of the Thesis
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	/ Reg.No.	Submission	
1	Mr.Syed Bava Bakrudeen A / 214012860015	17.10.2022	An Investigation on shape recoverability of Fe-Mn-Si-Cr-Ni shape memory alloy using various process control parameters

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

### Resolution

**RESOLVED TO TAKE INTO RECORD** the List of Ph.D thesis submitted.

**Dean Research 41.5.7** **TO INFORM AND RECORD** the Extension time granted to Research scholars.  
**Notes:**

Based on Research Advisory Committee recommendations four (4) registered research scholars have been granted extension of time up to one year.

S.No	Name / Register No	Department	Duration of extension	Date of completion of research programme	Extension up to
1	Ms.S.Manjula / 213011854021	CSE	One year	17.09.2021	16.09.2022
2	Ms.R.Vanitha / 215011854029	CSE	One year	11.10.2022	10.10.2023
3	Ms.H.Sajithunisa / 216011855017	CSA	One year	11.09.2022	10.9.2023
4	Mr.K.Soundararajan/ 210012864006	Chemistry	10 months	12.04.2020	11.02.2023

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

### Resolution

**RESOLVED TO TAKE INTO RECORD** the Extension time granted to Research scholars.

**Dean  
Research  
41.5.8**

**TO INFORM AND RECORD** the Research articles reflected in Scopus database.

From February 2022 to May 2022: 12

From June 2022 to November 2022: 31

In the year 2022 (as on Nov. 2022): 43

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

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the Research articles reflected in Scopus database.

**Dean  
Research  
41.5.9**

**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	Validity
1	Madras Library Association (MALA), Ground Floor, LLA Building, 737, Anna Salai, Chennai – 600 002	<ul style="list-style-type: none"> <li>➤ Promoting the Library movement</li> <li>➤ Creation of general awareness among students and research scholars to utilize the library resources</li> <li>➤ Arranging academic conferences, Seminar and workshops for updating the knowledge of library professionals</li> <li>➤ Providing Training for using digital library enhancing knowledge and experience in library field.</li> </ul>	10.08.2022	2 Years
2	DFE Pharma India Pvt.Ltd, Cuddalore, Tamilnadu	<ul style="list-style-type: none"> <li>➤ Collaborative study and knowledge sharing towards continual improvement on yield, recovery and handling of ETP waste.</li> <li>➤ Effective disposal of Bio-sludge / High concentrated rejects from ETP.</li> <li>➤ Recovery and reuse of MCC from RVDF filtrate and siphoned mass.</li> <li>➤ Industrial visits by researchers and students.</li> <li>➤ Project work / Internships.</li> </ul>	03.08.2022	1 Year

Sl. No	Name of the Industry and Institution	Objectives / Scope / Major activities	MoU Date	Validity
3	St. Jude's Matriculation Higher Secondary School, No, 16,18, Tank East Street, Needamangalam – 614 404.	➤ Collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.	13.09.2022	3 Years
4	Tamilnadu Adi Dravidar Housing and Development Corporation (TAHDCO) No, 31 2 <sup>nd</sup> land, Cenotaph Road, Teynampet, Chennai – 600 018	➤ To implement the project and details of the beneficiaries to the facilitating educational institution  The MSW students need to be appointed to obtain feedback from the beneficiaries on loan services of TAHDCO and identify the aspiring SC/ST people for entrepreneurship in the near future	20.10.2022	3 Years
5	Delta Foods Thanjavur No. 812, Neithal St, New Housing Unit, Thanjavur, Tamil Nadu 613005	➤ To promote new and innovative business ideas in food processing and its allied areas  ➤ Conduct skill based training programs in the fields of food processing and food business management  ➤ Support the Research and Development activities / services  ➤ Create opportunity for knowledge sharing between students for projects, training and research	27.10.2022	3 Years
6	M/s Marcello Tech, No.3, Gem plaza, 2B 2nd floor, Sankaran Pillai Road, Near SRC College, Trichy 620 002	➤ R&D and testing works on mutual consultation.  ➤ To give special lectures for the benefit of the students and faculty on mutual consultation depending on their availability and <i>vice versa</i> .	31.10.2022	3 Years
7	Kalvithanthai A.K.R Sourashtra Teachers' College Sivagangai, Tamil Nadu	➤ Organize Training Programmes, Guest Lectures for students and Teachers and Academic Cooperation to enhance the Quality of Education	20.10.2022	3 Years

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

### Resolution

**RESOLVED TO TAKE INTO RECORD** the Memorandum of Understanding (MoU) with Industries and Institutions.

**Dean TO INFORM AND RECORD** Patents / Awarded / Granted:

**Research  
41.5.10**

Sl. No.	Name(s) of the innovators	Patent Number / Design Applications	Title of the IPR	Remarks
1	Dr.A.Muthamiz Selvan Associate Professor, CSA	202241030064A	Self Diagnosis of Liver Disease Symptoms using Machine Learning	File Date: 25.05.2022 Publication: 03.06.2022
2	Dr. S.Janani, Asso. Prof / ECE	202241052551 A	Artificial intelligence and IoT based smart health care system to prevent and detect all types of Lung disease and level of infection and diagnose at early stage using data mining, cloud computing and Deep learning algorithms.	File Date: 14.09.2022 Publication: 23.09.2022
3	Dr.K.Thiyagarajan AP / Software Engineering	202241057921 A	A Microcontroller-Based Internet of Things System for the Detection of Alive Humans in Disaster and War Areas	File Date: 10.10.2022 Publication: 14.10.2022
4	Dr.P.Vijayalakshmi Asso. Prof. / mathematics Dr.S.Sathishkumar AP / Commerce Dr.D.Umamakeshwari Professor / Commerce Dr.N.Jayanthi Asso. Prof. / Commerce	202241057756 A	Innovative Approach for Prediction of Stock Price and Movements using Fuzzy Inference system and Machine learning algorithms	File Date: 10.10.2022 Publication: 21.10.2022
5	Dr.D.Jeyasimman Professor /Mechanical	2022/07353 (SOUTH AFRICA)	A Composition and a Method for Preparing Nanocrystalline Powder	File date 04.07.2022 Granted on 28.09.2022

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

**Resolution**

**RESOLVED TO TAKE INTO RECORD** Patents / Awarded / Granted.

**Dean  
Research  
41.5.11**

**TO INFORM AND RECORD** the Recognition of Research Supervisors Based on the Research Advisory Committee; Four (4) faculty members have been issued orders to guide Ph.D. Research scholars.

**Notes:**

Based on Research Advisory Committee Recommendation Four (4) faculty members have been given order to guide the Ph.D Research scholars.

Sl. No	Name / Designation	Department	Recognition No
1	Dr.J.Jayanthi, Assistant Professor	Mathematics	00.15.15.22
2	Dr.M.Karthikeyan, Assistant Professor	Chemistry	00.12.23.22
3	Dr.S.Vasanthavel, Assistant Professor (SS)	Biotechnology	00.02.08.22
4	Dr.P.Guru Associate Professor	Management Studies	00.14.22.22

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

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the Recognition of Research Supervisors Based on the Research Advisory Committee; Four (4) faculty members have been issued orders to guide Ph.D. Research scholars.

**Dean  
Research  
41.5.12**

**TO INFORM AND RECORD** the list of four faculty members availed the Seed money to do the Project.

Sl. No	Principal Investigator	Title of the Project	Sanctioned Amount in Rs.	Sanctioned Date
1	Dr. S. Vasanthavel, Assistant Professor, Department of Biotechnology	Development of Nanobiomaterials for Bone Tissue Engineering Applications	78,608/-	10.10.2022
2	Dr. D. Jeyasimman, Professor Department of Mechanical Engineering	Synthesis , Characterization and Mechanical properties of Al <sub>20</sub> Ti <sub>20</sub> Co <sub>20</sub> Ni <sub>20</sub> Fe <sub>20</sub> high entropy alloys through mechanical alloying	50,000/-	10.10.2022
3	Dr. A. Ashokkumar Associate Professor Department of Biotechnology	Enhancement of smoothness factor of PMIST recycle paper pulp by lending with starch extracted from bamboo	50,000/-	10.10.2022
4	Ms. P. Mala, Assistant Professor, Department of Biotechnology.	<i>Gymnema sylvestre</i> impregnated electrospun nanofibrous as an effective wound dressing material.	50,000/-	10.10.2022

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

### Resolution

**RESOLVED TO TAKE INTO RECORD** the list of four faculty members availed the Seed money to do the Project.

**Dean Research** **41.5.13** **TO INFORM AND RECORD** the list of faculty members received Grant from Tamilnadu State Council for Science and Technology (TNSCST)

Name of Faculty (Principal Investigator)	Title of the Project	Sanctioned date	Sanctioned Amount (In Rupees)	1 <sup>st</sup> installment Amount Received (In Rupees)	2 <sup>nd</sup> installment Amount Received (In Rupees)
<b>Dr.S.Kumaran</b> Asso.Prof / Biotech, PMIST <b>Dr.C.Vimala</b> Asso.Prof / Mathematics, PMIST <b>Dr.P.G.Jansi Rani</b> , Prof. Mathematics, Vivekanandha College of Engg for women(VCEW), Namakkal	Graphene and plant seeds coated clay pot to address the pure drinking water scarcity issue in rempte villages by removing salinity and suspended solids.  <b>Sanctioned order no.</b> TNSCST/STP/ES-02/2019-20	29.03.2021	2,40,000 (VCEW-80,000, PMIST 1,60,000)	1,20,000 (VCEW-40,000, PMIST 80,000) Received on 31.3.2021	1,20,000 (VCEW-40,000, PMIST 80,000) Received on 11.7.2022

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

### Resolution

**RESOLVED TO TAKE INTO RECORD** the list of faculty members received Grant from Tamilnadu State Council for Science and Technology (TNSCST).



**Dean Research** **41.5.14** **TO INFORM AND RECORD** the list of faculty members who have submitted research proposals to various funding agencies

Sl. No	Name of Applicant	Department	Title of Project / Scheme	Agency	Budget proposed in Rs.	Date
1	Dr. P. K.Srividya, Registrar Dr. AR. Umayal Sundari, Asso. Prof. Dept. of Physics	Physics	Design and Construction of a Mixed Greenhouse Solar Dryer using Evacuated Tube Collector	MNRE	15,30,000	13.08.2022
2	Dr. D. Kumar, Prof. Dept. of Physics Dr. K. Kesavan, HoD, Physics	Physics	Development of High Efficiency (6' x 6') Multijunction solar Cell	MNRE	62,59,000	15.08.2022
3	Dr. P. Gayathri, Asst. Prof. (SG) Dept. of Physics Dr. K. Geetha, Asst. Prof. Dept. of Bio-Tech	Physics	Biogas from waste fruit and vegetables and their physical and chemical characterization	MNRE	50,35,000	16.08.2022
4	<b>Principal Investigator:</b> Dr. S. Vasanthavel <b>Co-investigator:</b> Dr. A. Ashokkumar	Biotechnology	Development of multifunctional metal ferrite/bioglass nanocomposites with rare earth additives for post-surgical treatment of osteosarcoma <b>Scheme name:</b> State University Research Excellence (SURE)	Science and Engineering Research Board (SERB)	24,01,800	Oct. 2022

Sl. No.	Name of Applicant	Department	Title of Project / Scheme	Agency	Budget proposed in Rs.	Date
5	<b>Principal Investigator:</b> Dr.P.K.Srividhya Professor <b>Co-investigator:</b> Dr. A. Ashokkumar	Mechanical & Biotechnology	Design, fabrication and demonstration of a solar powered torrefied Municipality Solid Waste (MSW) pellet production line <b>Scheme name:</b> State University Research Excellence (SERB SURE)	Science and Engineering Research Bord (SERB)	29,60,684	Oct. 2022
6	Dr.K.Geetha Asst. Prof. Dept. of Bio-Tech	Biotechnology	Optimization of nanomineral supplements through oral dispersible film for augmenting productivity in cattle and to reduce wastage and environmental pollution	NABARD under the scheme of Farm sector Promotion Fund Application for Supporting Innovations in Agriculture and Allied Sector	9,60,000	07/10/2021

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

### Resolution

**RESOLVED TO TAKE INTO RECORD** the list of faculty members who have submitted research proposals to various funding agencies.

**Dean  
Research  
41.5.15**

**TO INFORM AND RECORD** the Book / Chapter in Book

Seven (7) Book / Chapter in Book have been published by faculty

1. Dr.S.Janani, Associate Professor / ECE has Published a book under the title of "Introduction to Machine Learning" by Scientific International Publishing House, ISBN: 978-93-5625-299-8.

2. Dr.S.Janani, Associate Professor / ECE has Published a book under the title of “Circuits and Devices Laboratory” by Charulatha Publications, ISBN: 978-93-5577-053-0.
3. Dr.VioletJuli and Dr.Rajanandhini Department of ECE have published a book under the title “Electronic Circuit II” by Scientific International Publishing House, ISBN: 978-93-5625-272-1.
4. Dr.C.V.Subramanian has published a Book Chapter, through a Collaborative research. Book is published on 20.10.2022 by Nova Science publishers, Inc.US. (International) with ISBN: 979-8-88697-165-1. Chapter 2-Psychological Disorders & Well-Being Index in indoor built environment.
5. Mr.C.M.Vivek published a book chapter titled ANFIS Prediction Using Neuro-Fuzzy Model of experimental study on concentric tube heat pipe heat exchanger using Acetone in the book Materials Design and Manufacturing for Sustainable Environment part of the Lecture Notes in Mechanical Engineering book series
6. Manjula and R.Vanitha has published a book chapter entitled “Blood Connect: A Web Application for Blood Bank Management System” in a Multidisciplinary Research Trends, Volume – 4 under the ISBN:978-93-95456-2-6|ISBN-10:93-954563-2-9, October 2022.
7. Dr.K.Geetha, Head / Biotechnology and Dr.D.Kumar, Professor / Physics have published a book with the title of Atomistix tool kit-A virtualnano lab in Lap Lambert publisher, ISBN: 9786205517772.

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

### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the Book / Chapter in Book.

**Dean  
Research  
41.5.16**

**TO INFORM AND RECORD** the Office of Dean Research and IQAC jointly organized a two days National workshop on “Advanced Training & Development Programme On Potential Ways to avoid Desk Rejection of your scientific paper Empowering of Knowledge on Efficient Scientific Writing and Publishing” from 29.09.2022 to 30.09.2022. Professor Pitchai Balakumar, Consulting Editor, Pharmacological Research-Elsevier & Professor of Pharmacology, Pannai College of Pharmacy, Dindigul was the research person and 48 persons attended (both internal and external).

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

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the Office of Dean Research and IQAC jointly organized a two days National workshop on “Advanced Training & Development Programme On Potential Ways to avoid Desk Rejection of your scientific paper Empowering of Knowledge on Efficient Scientific Writing and Publishing” from 29.09.2022 to 30.09.2022. Professor Pitchai Balakumar, Consulting Editor, Pharmacological Research-Elsevier & Professor of Pharmacology, Pannai College of Pharmacy, Dindigul was the research person and 48 persons attended (both internal and external).

**Dean  
Research  
41.5.17**

**TO INFORM AND RECORD** 50 of our pre final year students have submitted the applications for Globalink MITACS research internship scholarship to Canada Universities in the year 2022.

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

**Resolution**

**RESOLVED TO TAKE INTO RECORD** 50 of our pre final year students have submitted the applications for Globalink MITACS research internship scholarship to Canada Universities in the year 2022.

**Dean  
Research  
41.5.18**

**TO INFORM AND RECORD** the four (4) faculty members have received the CST Achiever's Award 2022 On 31st October 2022.

Sl.No	Name of the Faculty	Apply for the category of award
1	Dr.S.Kumaran, Professor / Biotechnology & Dean (Research)	Best R&D Cell Coordinator Award
2	Dr.S.Gomathi HoD (Chemistry)	Best Researcher Award
3	Ar.N.Ramesh Babu HoD (Architecture)	Best HoD Award
4	Dr.S.Gnanaraj Assistant Professor / Social Work	Best extension activity Co-ordinator

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

#### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the four (4) faculty members have received the CST Achiever's Award 2022 On 31st October 2022.

**Dean  
Research  
41.5.19**

**TO INFORM AND RECORD that** IIC Regional meet 2022

PMIST has received the best creative poster on Institute's Innovation & Entrepreneurship Journey / Achievements at the IIC regional meet 2022 held on 8.8.2022 at PSNA college of Engineering and Technology, Dindigul. The following faculty members have participated in the event.

Sl. No	Name & Designation
1	Dr.S.Kumaran, Professor & Dean (Research)
2	Dr.A.P.Aruna CEO, Periyar TBI
3	Mr. R. Rakesh, Assistant Professor, ECE
4	Mr. C M Vivek, Assistant Professor, Mechanical Eng.

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

#### **Resolution**

**RESOLVED TO TAKE INTO RECORD** PMIST achievements in the IIC Regional meet 2022.

**Dean  
Research  
41.5.20**

**TO INFORM AND RECORD** the first slot Ph.D admissions in the academic year 2022-23.

Conducted the Ph.D entrance exam & Interview on 15.7.2022 and report is given below.

Received Applications	Eligible for Entrance	Appeared in Entrance Exam	No of Absentees in Entrance Exam	No of not selected candidates	No of selected candidates	No of candidates Joined
52	48	29	19	2	27	24

In the academic year 2022-23; the first slot of Ph.D application receiving process extended up to 5<sup>th</sup> August 2022. The entrance exam & Interview were conducted on 11th August 2022.

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

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the first slot Ph.D admissions in the academic year 2022-23.

**6. ANY OTHER POINTS - WITH THE PERMISSION OF THE CHAIR.**

- ❖ Dr.P.K.Srividhya, Registrar informed that being a multidisciplinary institution, new programmes in association with industries as a joint venture will be started in future.
- ❖ Hon'ble Chairman informed that vocational courses like B.Sc Aviation B.Sc. Agriculture, BBA Aviation Management, BBA Hospital Management and LLB will be initiated based on the feasibility and Guidelines of NEP 2022.
- ❖ Dr. M. Sikandar, External Member suggested to increase the number of research publications.
- ❖ Dr.P.K.Srividhya, Registrar thanked everyone for their active participation in the Academic Council Meeting.

**REGISTRAR  
Secretary, Academic Council**