



**PERIYAR  
MANIAMMAI**

INSTITUTE OF SCIENCE & TECHNOLOGY

(Deemed to be University)

Established Under Sec. 3 of UGC Act, 1956 • NAAC Accredited

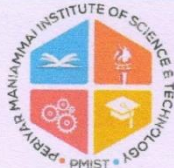
think • innovate • transform

## Criterion 1 – Curricular Aspects

<b>Key Indicator</b>	<b>1.2</b>	<b>Academic Flexibility</b>
<b>Metric</b>	1.2.1	Percentage of new courses introduced of the total number of courses across all programs offered during the last five years

## Additional Document

<b>S.No</b>	<b>Description</b>	<b>Page No.</b>
	List of new courses introduced program-wise during the assessment period certified by the Registrar.	1
	Minutes of relevant Academic Council meetings highlighting the name of the new courses introduced	
1.	Department of Biotechnology	3
2.	Department of Computer Science and Application	4
3.	Department of Software Engineering	6
4.	Department of Education	7
5.	Department of Mathematics	7
6.	Department of Management Studies	12



**Criterion 1 – Curricular Aspects**

Key Indicator	1.2	Academic Flexibility
Metric	1.2.1	Percentage of new courses introduced of the total number of courses across all programs offered during 2020-21

**DOCUMENTS**

**NOTE:** As the supporting documents for this metric exceeds the upload limit of 5MB, appropriate link is provided to PMIST website that has the relevant documents.

List of new courses offered during 2020-21 duly signed by Registrar

1.	Environmental Sciences	XES102	2020-21
2.	Programming for Problem Solving	XCP202	2020-21
3.	Workshop Practices	XWP205	2020-21
4.	Material and Energy Balance	XBT302	2020-21
5.	Unit Operations	XBT305	2020-21
6.	Human Ethics	XUM306	2020-21
7.	Genetics	XBT402	2020-21
8.	Cell Biology	XBT403	2020-21
9.	Bioenergetics and Metabolism	XBT404	2020-21
10.	Constitution of India	XUM406	2020-21
11.	Basic Communication Skills in English	XGL101	2020-21
12.	Advanced Communication Skills in English	XGL201	2020-21
13.	Communication Skills in English	XGL101	2020-21
14.	Financial Accounting- I	XCR102	2020-21
15.	Company Law and Secretarial Practice –I	XCR103	2020-21
16.	Business Management	XCR104	2020-21
17.	Principles of Economics	XCR105	2020-21
18.	Human Ethics, Values, Rights, and Gender Equality	XUM106	2020-21
19.	ADVANCED ENGLISH COMMUNICATION SKILLS	XGL201	2020-21
20.	Financial Accounting- II	XCR202	2020-21
21.	Vaniha Tamil / English for Employability	XGL203A / XGL203B	2020-21
22.	Company Law and	XCR204	2020-21

## 1. Department of Biotechnology

### a. B.Tech

Modifications in the Curriculum and Syllabus are made based on the proposed AICTE guidelines 2018-19.

The matter is placed before the Academic Council for approval.

Dr.R.Jayanthi, Dean (FET) added that the proposed AICTE guidelines 2018-19 has given many suggestions like introducing (1)Constitution of India, (2) Essence of Indian Traditional Knowledge, (3) Biology for Engineers, (4) Life Sciences and IPT (mandatory included in the project) which needs to be incorporated in the revised curriculum. Also, the credits for UG & PG have been reduced from 176 to 160 and from 80 to 68 respectively, as per the AICTE model curriculum.

#### Resolution

**RESOLVED TO APPROVE** the Curriculum from I to VIII Semester and Syllabus from I to IV Semester for B.Tech. Aerospace Engineering programme under Full Time (Regulation 2018).

#### DEPARTMENT OF BIOTECHNOLOGY

FET  
B.Tech.-  
(Biotech -  
FT)  
29.4.2

**TO CONSIDER AND APPROVE** the Curriculum and Syllabus for B.Tech.-Biotechnology programme under Full Time (Regulation 2018) .The following new courses are introduced

- Environmental Sciences
- Programming for Problem Solving
- Workshop Practices
- Material and Energy Balance
- Unit operations
- Human Ethics
- Genetics
- Cell Biology
- Bioenergetics and Metabolism
- Constitution of India

## 2. Department of Chemistry

### Resolution

**RESOLVED TO APPROVE** the Curriculum & Syllabi of B.Com (Corporate Secretaryship) under full-time Regulation 2020.

**FHSM  
English  
36.6.18**

**TO CONSIDER AND APPROVE** the revisions made as per the guidelines of UGC – Learning Outcome Based Curriculum Framework (LOCF) (Regulation 2020)

### Notes:

The Board of Studies of the Department of English recommended inclusion of the new course papers suggested by UGC - Learning Outcome Based Curriculum Framework for as follows:

i) English Language Course\* (SE Courses) for Undergraduate courses in all arts, science, and commerce

Sem	Course Code	Existing Course Title	Proposed Papers recommended by UGC	Remarks
I	XGL101	Communication Skills in English	Basic English Communication Skills	Replacing UGC recommended papers with existing paper. No changes in the credit
II	XGL201	English for Effective Communication	Advanced English Communication Skills	

ii) Generic Elective (GE) for students majoring in subjects other than English

Sem	Course Code	Existing Course Title	Proposed Papers recommended by UGC	Remarks
III	XENOE4	English Through Drama	Dictionary and Study Skills	Replacing UGC recommended papers with existing paper. No changes in the credit
IV	XENOE5	Creative Writing	Creativity through Language	
V	XENOE6	English for Competitive Examinations	Appreciating Literature	

iii) Discipline Specific Core (DSC) for students pursuing BA English

Se m	Course Code	Existing Course Title	Proposed Papers recommended by UGC	Remarks
I	XEN102	Poetry – I (British Lit)	Introduction to Literature	Replacing UGC recommended papers with existing paper. No changes in the credit
I	XEN103	Prose – I (British Lit)	British Literature	
VI	XEN602	Indian Writing in English	Modern Indian Literature	Existing paper. Only changes in syllabus. Credit remains same
VI	XEN604	New Literatures in English	New Literatures in English	

The matter is placed before the Academic Council for approval.

**Dr. S. Sangeetha, External Member enquired whether, the revision has been made for paper titles alone in the curriculum.**

### **3. Department of Commerce**

**Note: The programme is new. Therefore all courses offered during 2020-21 is considered as new**

Periyar Nagar, Vallam Thanjavur - 613 403, Tamil Nadu, India  
Phone: +91 - 4362 - 264600 Fax: +91- 4362 - 264660  
Email: registrar@pmu.edu Web: www.pmu.edu



**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University)  
Established Under Sec. 3 of UGC Act, 1956 - NAAC Accredited  
think • innovate • transform

#### **MINUTES OF THE THIRTY SIXTH MEETING OF THE ACADEMIC COUNCIL**

**Date : 10.10.2020**

**Venue : Through Google Meet**

**Time : 11.00 A.M**

**Place : PMIST, Vallam – Thanjavur**

The Thirty Sixth meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 10.10.2020 at 11.00 a.m. through Google Meet.

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

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

1. Dr.A.Anand Jerard Sebastine	Member
2. Dr.A.P.Aruna	Member
3. Dr.P.Aruna	Member
4. Dr.A.Ashok Kumar	Member
5. Dr.S.Asokan	Member
6. Dr.S.Devadoss	Member
7. Dr.A.George	Member
8. Dr.S.Gomathi	Member
9. Dr.D.Janaki	Member
10. Dr.R.Jayanthi	Member
11. Dr.N.Jayanthi	Member
12. Dr.J.Jeyachidra	Member
13. Dr.D.Jeyasimman	Member
14. Prof.JosephN.Fernando	Member
15. Mr.I.Karthic Subramaniayan	Member
16. Dr.K.Kesavan	Member
17. Dr.R.Krishnamoorthy	Member



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

**FHSM  
English  
36.6.17**

**TO CONSIDER AND APPROVE** the Curriculum & Syllabi of B.Com (Corporate Secretaryship) under full-time Regulation 2020.

**Notes**

The Board of Studies of the Department of Commerce recommended the Curriculum & Syllabi of B.Com (Corporate Secretaryship) under full-time Regulation 2020.

The matter is placed before the Academic Council for approval.

15

---

**Resolution**

**RESOLVED TO APPROVE** the Curriculum & Syllabi of B.Com (Corporate Secretaryship) under full-time Regulation 2020.

---

**4. Department of Education**

**Note: The programme was introduced I 2017-18 academic year. The admission was done for the first time in 2020-21 academic year. Therefore the courses are considered new.**

**DEAN  
SHSM  
B.Ed  
26.5.6**

**TO CONSIDER AND APPROVE** the Curriculum & Syllabi for I to IV semester of B.Ed. programme under full time (Regulation 2017).

**Notes:**

The Board of Studies of Department of Education recommended the Curriculum & Syllabi I to IV semester of B.Ed. programme under full time Regulation 2017.


The matter is placed before the Academic Council for approval.

---

## 5. Department of Mathematics

Minutes of Board of studies held on 26.05.2018 for B.Sc Mathematics , M.Sc and M.Phil

**DEPARTMENT OF MATHEMATICS**  
PeriyarNagar,VallamThanjavur - 613 403, Tamil Nadu, India  
Phone: +91 - 4362 - 264600 Fax: +91- 4362 - 264660  
Email: headmaths@pmu.edu Web: www. pmu.edu



**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
Department of Mathematics  
Periyar Maniammai Institute of Science & Technology  
Vallam Thangarajapuram, Thanjavur - 613 403, Tamil Nadu, India  
DISE • DISTANCE • EDUCATION

**Venue: Department of Mathematics**  
**Time: 11.00am**

**Date: 26.05.2018**

**Minutes of the Meeting**

The Twelfth Board of Studies meeting was conducted on 26.05.2018 at 11.00am in the Department of Mathematics to discuss the curriculum and syllabus for

1. B.Sc Mathematics Regulation 2018
2. M.Sc Mathematics Regulation 2018
3. M.Phil Mathematics 2018 and
4. Revised curriculum and syllabus for B.Sc Mathematics Regulation 2017

**I. B.Sc Mathematics**

The Board met at the Department of Mathematics and discusses about the different types of courses that are to be included as per UGC norms for B.Sc Mathematics Curriculum.

**Ability Enhancement Compulsory Courses:**

- XGL101 - Communication Skills in English
- XGL201 - English for Effective Communication
- XES202 -Environmental Studies

**Skill Enhancement Courses:**

- XMT301 - Logic and Sets
- XMT401 - Theory of Equations
- XMT501 - Probability and Statistics
- XMT601 - Graph Theory

**Department Specific core Courses:**

- XPG103 -Fundamental Physics
- XMT104 -Foundation Course in Mathematics
- XMT105 - Differential Calculus & Integral Calculus

- XPG 203 - Modern Physics
- XMT204 - Differential Equations & Laplace Transforms
- XMT205 - Sequences and Series
- XPG206 - Modern Physics Lab
- XMT302 - Programming in C
- XMT303 - Real Analysis
- XMT304 - Analytical Geometry 3D
- XMT305 - Programming in C – Practical
- XMT402 – Introduction to Mat lab
- XMT403 - Vector Calculus and Fourier Series
- XMT404 - Algebra
- XMT405 - Introduction to Mat lab - Practical

**Discipline Specific Electives Courses:**

- XMT502A : Matrices / XMT502B : Discrete Mathematics
- XMT503A : Numerical Methods / XMT503B : Mechanics
- XMT504A : Linear Algebra / XMT504B : Astronomy
- XMT602A : Complex Analysis / XMT602B : Number Theory
- XMT603A : Linear Programming / XMT603B : Stochastic Processes
- XMT604 : Project

**University Mandatory Courses (UMAN):**

- XUM106 : Human Ethics, Values, Rights and Gender Equality
- XUM306 : Disaster Management

**The courses removed from Regulation 2017 are**

1. XMT101 Classical Algebra
2. XGE105 Study Skills
3. XGE201 Speech and Business Communication
4. XMT204 Calculus
5. XMT206 Fundamental Physics(Practical-I)
6. XMT301 Introduction to computers and Office automation(Theory)
7. XMT302 General Intelligence-I



8. XMT303 Differential Equations and Laplace Transforms
9. XMT305 Introduction to computers and Office automation(Practical)
10. XMT401 Object Oriented Programming with C++(Theory)
11. XMT402 General Intelligence-II
12. XMT404 Mechanics
13. XMT405 Object Oriented Programming with C++(Practical)
14. XMT501 Numerical Methods with C Programming (Theory)
15. XMT503A Abstract Algebra
16. XMT504A Modern Analysis
17. XMT505 Numerical methods with C Programming (Practical)
18. XMT602B Mathematical Modelling
19. XMT603B Financial Accounting

**The courses added in Regulation 2018 are**

1. XGL101 - Communication Skills in English
2. XMT105 - Differential Calculus & Integral Calculus
3. XPG107-Fundamental Physics Lab
4. XGL201 - English for Effective Communication
5. XMT204 - Differential Equations & Laplace Transforms
6. XPG206 - Modern Physics Lab
7. XMT301 - Logic and Sets
8. XMT302 - Programming in C
9. XMT303 - Real Analysis
10. XMT305 - Programming in C – Practical
11. XUM306 – Disaster Management
12. XMT401 - Theory of Equations
13. XMT402 – Introduction to Mat lab
14. XMT404 - Algebra
15. XMT405 - Introduction to Mat lab - Practical
16. XMT501- Probability and Statistics
17. XMT502A - Matrices
18. XMT503A - Numerical Methods /XMT503B : Mechanics

19. XMT504A - Linear Algebra / XMT504B : Astronomy

20. XMT601 - Graph Theory

21. XMT603B -Stochastic Processes

**Summary of Total Number of courses and % of Revision:**

S.No.	Type of Courses	2017		2018		% of Revision
		No. of Course	% of Course	No. of Course	% of Course	
1.	AECC	3	4.7	3	4.76	0.06
2.	Core Course (Theory & Lab)	15	45.31	12	50.80	5.49
3.	DSE (Theory & Lab)	6	28.13	6	28.57	0.44
4.	SEC	4	9.4	4	6.35	3.05
5.	GE	4	9.4	3	7.14	2.26
6.	UMAN	2	3.1	2	0	3.1
7.	LAN	-	-	1	2.38	2.38

The member suggested that students who are passionate about mathematics will love this course. Also he added that B.Sc. Mathematics graduates have access to jobs from sectors like teaching, banking, finance, IT etc.

The percentage of change in the syllabus is 66.67%

## II. M.Sc Mathematics

The courses removed from Regulation 2015 are

1. YMA203 - Differential Geometry
2. YMA303 - Measure Theory
3. YMA403 - Stochastics Processes
4. YMA3E1 - Analytical Number Theory

The courses added in Regulation 2018 (Revision I) are applicable for students admitted in the academic year 2019 – 2020.

1. YMA203 –Integral Equations, Calculus of Variations and Transforms
2. YMA303 Automata Theory
3. YMA403 Mathematical Modelling
4. YMA3E1 Data analysis Using SPSS

The percentage of change in the syllabus is 22.22%

## **II. M.Sc Mathematics**

The courses removed from Regulation 2015 are

1. YMA203 - Differential Geometry
2. YMA303 - Measure Theory
3. YMA403 - Stochastics Processes
4. YMA3E1 - Analytical Number Theory

The courses added in Regulation 2018 (Revision I) are applicable for students admitted in the academic year 2019 – 2020.

1. YMA203 –Integral Equations, Calculus of Variations and Transforms
2. YMA303 - Automata Theory
3. YMA403 –Mathematical Modelling
4. YMA3E1 –Data analysis Using SPSS

The percentage of change in the syllabus is 22.22%

## **6. Department of Management Studies**

### **Extracts of the Minutes of the 37<sup>th</sup> Academic Council Meeting dated 15.05.2021**

Periyar Nagar, Vallam Thanjavur - 613 403, Tamil Nadu, India  
Phone: +91 - 4362 - 264600 Fax: +91- 4362 - 264660  
Email: registrar@pmu.edu Web: www.pmu.edu



**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University)  
Established Under Sec. 3 of UGC Act, 1956 - NAAC Accredited  
think • innovate • transform

#### **MINUTES OF THE THIRTY SEVENTH MEETING OF THE ACADEMIC COUNCIL**

**Date : 15.05.2021**

**Venue: Through Online**

**Time : 10.30 A.M**

**Place : PMIST, Vallam – Thanjavur**

The Thirty Seventh meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 15.05.2021 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. Mr.S.Arumugam               | Member |
| 3. Dr.A.P.Aruna                | Member |
| 4. Dr.P.Aruna                  | Member |
| 5. Dr.A.Ashok Kumar            | Member |
| 6. Dr.S.Asokan                 | Member |
| 7. Dr.S.Devadoss               | Member |
| 8. Dr.A.George                 | Member |
| 9. Dr.S.Gomathi                | Member |
| 10. Dr.D.Janaki                | Member |
| 11. Dr.R.Jayanthi              | Member |
| 12. Dr.N.Jayanthi              | Member |
| 13. Dr.J.Jeyachidra            | Member |
| 14. Dr.D.Jeyasimman            | Member |
| 15. Mr.I.Karthic Subramaniayan | Member |
| 16. Ms.T.Kavitha               | Member |
| 17. Dr.K.Kesavan               | Member |
| 18. Dr.R.Krishnamoorthy        | Member |

## MINUTE OF THE TABLE AGENDA & NOTES

### 4. (a) BUSINESS BROUGHT FORWARD BY THE VICE-CHANCELLOR

**VC 37.4.1 TO CONSIDER AND RATIFY** the course work subjects offered for the Research scholars from the academic year 2020 - 2021 under Regulations 2020.

**Notes:**

The Doctoral Committee of the following departments discussed and finalized the course work syllabi for the Research Scholar which are listed below:

Sl. No	Department	Sub. Code	Subject Title	Credit			
				L	T	P	C
1	Management Studies	RBA054	Services Marketing	3	0	0	3
2	Management Studies	RBA055	Retailing Outlet Management	3	0	0	3
3	Management Studies	RBA056	Brand Management	3	0	0	3
4	Management Studies	RBA057	Strategic Human Resource Management	3	0	0	3
5	Management Studies	RBA058	Marketing Analysis	3	0	0	3
6	Management Studies	RBA059	Digital Marketing	3	0	0	3
7	Management Studies	RBA060	Competitive Advantage	3	0	0	3
8	Management Studies	RBA061	Consumer Psychology and Consumer Behavior	3	0	0	3
9	Management Studies	RBA062	Service Marketing Management	3	0	0	3
10	Management Studies	RBA063	Freight Forwarding and Port Operations	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 - 2021(Regulations 2020).



