



**PERIYAR  
MANIAMMAI**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
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### 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 2023-24

#### DEPARTMENT WISE

**MINUTES OF RELEVANT ACADEMIC COUNCIL MEETINGS  
HIGHLIGHTING THE NAME OF THE NEW COURSES INTRODUCED**

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# 1. Department of Aerospace B.Tech

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



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## MINUTES OF THIRTY EIGHTH MEETING OF THE ACADEMIC COUNCIL

Date : 30.09.2021

Venue: Through Online

Time : 03.30 p.m.

Place : PMIST, Vallam – Thanjavur

The Thirty Eighth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur was held on 30.09.2021 at 03.30 p.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.Buveneswari	Member
9.	Dr.A.George	Member
10.	Dr.S.Gomathi	Member
11.	Dr.P.Guru	Member
12.	Dr.V.Hamsadhvani	Member
13.	Dr.R.Jayanthi	Member
14.	Dr.L.Jayanthi	Member
15.	Dr.N.Jayanthi	Member
16.	Dr.J.Jeyachidra	Member

Dr.M.A.Sikandar, External Member enquired about the teaching methodology and the faculty availability.

Dr.P.Vijayalakshmi, Dean FHSM replied that the theory part will be handled by PMIST faculty members and practical sessions will be handled by NCC officers.

**Resolution**

**RESOLVED TO APPROVE** the Introduction of NCC courses as an option for generic / open elective courses for all undergraduate students who have enrolled in NCC from the academic year 2021-22 onwards.

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

**FET  
Aero  
38.3.1** **TO CONSIDER AND APPROVE** the Curriculum and Syllabus for B.Tech. – Aerospace programme under Full-Time (Regulation 2021).

**Notes:**

The Board of Studies of the Department of Aerospace Engineering recommended the Curriculum from I to VIII Semesters and Syllabus from I to VIII Semesters for B.Tech. Aerospace Engineering programme under Full-Time (Regulation 2021).

Curriculum and Syllabus is in line with AICTE guidelines 2020 with 31% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus contains 92% courses having focus on employability /entrepreneurship/skill development. The complete Curriculum and Syllabus with details are attached as Annexure. The new courses (Regulations 2021), new value added courses to be offered by Department and Open Elective courses offered by the Department to other Department students are as follows:-

### **New Courses**

1. Speech Communication
2. Technical Communication
3. Introduction to Aerospace Engineering
4. Strength of Materials
5. Fluid Mechanics
6. Entrepreneurship Development
7. Universal Human Values 2: Understanding Harmony
8. Strength of Materials Lab
9. Fluid Mechanics Lab
10. Probability and Statistics
11. CAD Lab
12. Aircraft Design Project
13. Professional Skills
14. Machine Dynamics Lab
15. Avionics
16. Avionics Lab
17. Aerospace Materials
18. Vibration and Structural Dynamics
19. Experimental Aerodynamics

### **New Value Added Courses**

1. Robotics (Intermediate level)
2. Drones
3. Satellite Making (CANSAT)
4. AutoCAD
5. Solid Works
6. NX-Nastran

### **Open Electives**

1. Elements of Aeronautics
2. Air Transportation and Aircraft Maintenance Management

The matter is placed before the Academic Council for approval.

**Dr.V.K.Stalin, External Member** enquired about the model Curriculum followed for revision of courses.

**Dr. P.K.Srividhya, Dean Academic & Registrar i/c** informed that all the revisions are made based on the AICTE model Curriculum.



### **MINUTES OF FORTIETH MEETING OF THE ACADEMIC COUNCIL**

Date : 27.08.2022

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Fortieth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 27.08.2022 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.P.Aruna                  | Member |
| 5. Dr.S.Asokan                 | Member |
| 6. Dr.S.Buvaneswari            | Member |
| 7. Dr.A.George                 | Member |
| 8. Dr.S.Gomathi                | Member |
| 9. Dr.P.Guru                   | Member |
| 10. Dr.V.Hamsadhwani           | Member |
| 11. Dr.R.Jayanthi              | Member |
| 12. Dr.N.Jayanthi              | Member |
| 13. Dr.J.Jeyachidra            | Member |
| 14. Mr.I.Karthic Subramaniayan | Member |
| 15. Dr.T.Kavitha               | Member |
| 16. Dr.K.Kesavan               | Member |
| 17. Dr.R.Krishnamurthi         | Member |
| 18. Dr.S.P.Kulanthaivel Babu   | Member |

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

**DEPARTMENT OF AEROSPACE ENGINEERING**

FET  
B.Tech  
Aero  
40.3.1

TO CONSIDER AND APPROVE the Curriculum and Syllabi for B.Tech (Hons).- Aerospace Engineering with specialization in Unmanned Aerial Vehicle (Regulation 2021, Revision 1; Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech.– Aerospace Engineering curriculum and syllabi, Regulation 2021) are given below:

Course Code	Semester	Course Title	L	T	P	C	H
XASH01	III	Elements of UAV	3	0	0	3	3
XASH02	IV	UAV Design, Control, & Meteorology	3	0	0	3	3
XASH03	V	UAV Business and Operational Industrial Aspects	3	0	0	3	3
XASH04	V	Design and Development of UAV	0	0	3	3	3
XASH05	VI	Remote Pilot Training	0	0	3	3	3
XASH06	VI	Mini Project	0	0	5	5	10
		<b>Total</b>	<b>9</b>	<b>0</b>	<b>11</b>	<b>20</b>	<b>25</b>

**Notes:**

In the 39<sup>th</sup> Academic Council Meeting, the specializations considered were

1. Robotics, and
2. GIS and Remote Sensing.

But, as per the recommendation of the Board of Studies the specialization "Unmanned Aerial Vehicle" is offered.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Tech (Hons).- Aerospace Engineering with specialization in Unmanned Aerial Vehicle (Regulation 2021, Revision 1; Full time mode). The courses pertaining to the specialization and their credits (In addition to

## 2. Department of Biotechnology M.Sc Biotechnology

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India  
Phone: +91 - 4362 - 264600 Fax: +91- 4362 - 264680  
Email: registrar@pmu.edu Web: www.pmu.edu



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### MINUTES OF FORTY SECOND MEETING OF THE ACADEMIC COUNCIL

Date : 08.07.2023

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Forty Second Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 08.07.2023 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.Aarathi 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.P.Balakumar	Member
8. Dr.S.Buvaneswari	Member
9. Dr.P.Guru	Member
10. Dr.K.Geetha	Member
11. Dr.A.George	Member
12. Dr.A.Manohar (Represented for Dr.S.Gomathi)	Member
13. Dr.V.Hamsadhwani	Member
14. Dr.R.Jayanthi	Member
15. Dr.N.Jayanthi	Member
16. Dr.J.Jeyachidra	Member
17. Dr.D.Jeyasimman	Member
18. Mr.I.Karthic Subramaniayan	Member
19. Dr.R.Kathiravan	Member



Dr.K.Thirumaran, External Member asked whether extra credits are offered for B.Tech programmes.

Dr.P.K.Srividhya, Registrar replied that if the student attains extra 18 credits offered for the programme he / she can obtain Honours Degree.

Resolution

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Tech. – Bio-Technology program under Full Time (Regulation 2021 Revision II).

**FET  
M.Sc.-  
Biotech.  
42.3.2**

**TO CONSIDER AND APPROVE** the eligibility for M.Sc. (Biotechnology).

**Notes:**

<b>Programme</b>	<b>Eligibility</b>
<b>M.Sc. (Biotechnology)</b>	Pass in Bachelor's Degree in any branch of Life Sciences (Biotechnology, Microbiology, Zoology, Biochemistry, Agricultural Sciences or equivalent from any recognized University of National and International repute.

The matter is placed before the Academic Council for approval.

Dr.S.Asokan, Controller of Examinations suggested to add Botany in the eligibility list.

Dr.K.Geetha, HoD/ Biotechnology informed that Botany subject may not be much relevant for M.Sc. Biotechnology.

Dr.A.P.Aruna, CEO Periyar TBI suggested not to include B.Sc. Agri in the eligibility list and also enquired whether M.Sc. Biotechnology can be registered as professional course? Also added that the eligibility criteria should be made clear to students during admission.

Resolution

**RESOLVED TO APPROVE** the eligibility for M.Sc. (Biotechnology).

Programme	Eligibility
M.Sc. (Biotechnology)	Pass in Bachelor's Degree in any branch of Life Sciences (Biotechnology, Microbiology, Biochemistry).

**FET  
M.Sc.-  
Biotech.  
42.3.3**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for M. Sc – Biotechnology program under Full-Time (Regulation 2023).

**Notes:**

The Board of Studies of the Department of Biotechnology- Post Graduate recommended the curriculum from I to IV Semesters and Syllabi from I to IV Semesters for the M.Sc. Biotechnology program under Full-Time (Regulation 2023).

Curriculum and Syllabi is in line with Learning Outcomes Based Curriculum Framework (LOCF) and TANSICHE proposed guidelines. The following courses and proposed Value added courses are given below:

**New Courses**

1. Cell Biology and Molecular Biology
2. Biochemistry
3. Microbiology
4. Bioanalytical Technique
5. Nano Biotechnology
6. Molecular Genetics
7. Lab-I Molecular Biology and Microbiology
8. Lab-II Biochemistry
9. Communication Skills and Scientific Writing
10. Recombinant DNA Technology
11. Immunology
12. Biostatistics
13. Stem Cell Biology and Tissue Engineering
14. Animal and Plant Biotechnology
15. Pharmaceutical Biotechnology
16. Lab-III Immunology lab
17. Lab-IV r DNA lab
18. Research Methodology, Ethics, and IPR
19. Enzymology

20. Bioprocess Technology
21. Computational Biology
22. Medical Biotechnology and Drug Design
23. Agricultural Biotechnology
24. Food Processing Techniques
25. Microbial Biotechnology
26. Environmental Biotechnology
27. Regulatory affairs and Industrial standards
28. Bioprocess Technology Lab
29. Lab V- Computational Biology
30. Entrepreneurship

#### **Value-added courses**

1. Basics of Computer and its Applications
2. Personal and professional development skill
3. Scientific Writing
4. Nano Materials synthesis for biomedical applications
5. Bio Fertilizer development
6. Downstream Manufacturing (Microbial)
7. Genomics and Proteomics

The matter is placed before the Academic Council for approval.

#### **Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for M.Sc – Biotechnology program under Full Time (Regulation 2023).

## **M.Tech Nanotechnology**

**FET** TO CONSIDER AND APPROVE the Curriculum and Syllabi for M.Tech.  
**M.Tech.-** Nanotechnology program under Full Time (Regulation 2023).  
**Nano**

**42.3.4** Notes:

The Board of Studies of the Department of Biotechnology- Post Graduate recommended the Curriculum from I to IV Semesters and Syllabi from I to IV Semesters for the M. Tech Nanotechnology program under Full Time (Regulation 2023). The details of new courses introduced and value added are:

### **New courses**

1. Materials Science & Engineering
2. Nano composites

3. Nanofluid Dynamics
4. Cell and Molecular Biology
5. 3D Printing
6. Graphene Nanotechnology
7. Carbon Nanotube
8. Quantum Dot

### **Value added course**

1. Electrospinning
2. Spray Pyrolysis
3. GCMS
4. Microbial production using Fermenter
5. PCR
6. SEM
7. Molecular Docking

The matter is placed before the Academic Council for approval.

### **Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for M.Tech. Nanotechnology program under Full Time (Regulation 2023).

### 3. Department of ECE B.Tech

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Phone: +91 - 4362 - 264600 Fax: +91- 4362 - 264660  
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#### **MINUTES OF FORTIETH MEETING OF THE ACADEMIC COUNCIL**

Date : 27.08.2022

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

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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.Arnumugam	Member
4. Dr.P.Aruna	Member
5. Dr.S.Asokan	Member
6. Dr.S.Buvaneswari	Member
7. Dr.A.George	Member
8. Dr.S.Gomathi	Member
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15. Dr.T.Kavitha	Member
16. Dr.K.Kesavan	Member
17. Dr.R.Krishnamurthi	Member
18. Dr.S.P.Kulanthaivel Babu	Member

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**FET** TO CONSIDER AND APPROVE the Curriculum and Syllabi for B.Tech  
**B.Tech.-** (Hons).- Electronics and Communication Engineering with specialization in (a)  
**ECE** Robotics and Industrial Automation (b) Artificial Intelligence and Machine  
**40.3.5** Learning in the existing regulation (Regulation 2021, Revision 1: Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech – Electronics and Communication Engineering Curriculum and Syllabi, Regulation 2021) are given below:

**a) Robotics and Industrial Automation**

Course Code	Semester	Course Title	L	T	P	C	H
XECHR1	III	Service Robotics with Drives and Sensors	1	0	2	3	5
XECHR2	IV	Industrial Robotics and Automation	1	0	2	3	5
XECHR3	V	Fundamentals of ROS and Embedded In Robotics	1	0	2	3	5
XECHR4	V	Artificial Intelligence and Computer Vision for Robotics	1	0	2	3	5
XECHR5	VI	Deep Learning for Robotics	1	0	2	3	5
XECHR6	VII	Mini Project	0	0	5	5	10
		<b>Total</b>	<b>5</b>	<b>0</b>	<b>15</b>	<b>20</b>	<b>35</b>

**b) Artificial Intelligence and Machine Learning**

Course Code	Semester	Course Name	L	T	P	C	H
XCSHA1	III	Introduction to Artificial Intelligence	1	0	2	3	5
XCSHA2	IV	Image Processing and Vision Techniques	1	0	2	3	5
XCSHA3	V	Introduction to Machine Learning	1	0	2	3	5
XCSHA4	VI	Deep Learning for Robotics	1	0	2	3	5
XCSHA5	VI	Internet of Things	1	0	2	3	5
XCSHA6	VII	Mini Project	0	0	5	5	10
		<b>Total</b>	<b>5</b>	<b>0</b>	<b>15</b>	<b>20</b>	<b>35</b>

**Notes:**

In the 39<sup>th</sup> Academic Council Meeting, the specialization considered was "Robotics". But, as per the recommendation of the Board of Studies the specialization "Robotics and Industrial Automation" is offered.

The matter is placed before the Academic Council for approval.

**4. Department of EEE**  
**B.Tech**

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**MINUTES OF FORTIETH MEETING OF THE ACADEMIC COUNCIL**

**Date : 27.08.2022**

**Venue: Richard Dawkins Hall**

**Time : 10.30 A.M**

**Place : PMIST, Vallam – Thanjavur**

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**The following Academic Council Members were present**

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2. Dr.A.Anand Jerard Sebastine	Member
3. Dr.S.Arumugam	Member
4. Dr.P.Aruna	Member
5. Dr.S.Asokan	Member
6. Dr.S.Buvaneswari	Member
7. Dr.A.George	Member
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13. Dr.J.Jeyachidra	Member
14. Mr.I.Karthic Subramaniayan	Member
15. Dr.T.Kavitha	Member
16. Dr.K.Kesavan	Member
17. Dr.R.Krishnamurthi	Member
18. Dr.S.P.Kulanthaivel Babu	Member

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**FET** TO CONSIDER AND APPROVE the Curriculum and Syllabi for B.Tech  
**B.Tech.-** (Hons).- Electrical and Electronics Engineering with specialization in (a)  
**EEE** Electric Vehicles (b) Energy Engineering in the existing regulation  
**40.3.7** (Regulation 2021, Revision 1: Full time mode). The courses pertaining to  
 the specialization and their credits (In addition to the courses in B.Tech –  
 Electrical and Electronics Engineering curriculum and syllabi, Regulation  
 2021) are given below:

**Electric Vehicles:**

Course Code	Semester	Course Title	L	T	P	C	H
XEEHV1	III	Fundamentals of Electric Vehicles	3	0	0	3	3
XEEHV2	III	Fundamentals of Electric Vehicles Laboratory.	0	0	1	1	2
XEEHV3	IV	Electric Vehicles Architecture	3	0	0	3	3
XEEHV4	V	Electric Drives and Controllers for Electric Vehicles	3	0	0	3	3
XEEHV5	V	Electric Drives and Controllers for Electric Vehicles Laboratory.	0	0	1	1	2
XEEHV6	VI	Battery Management Systems	3	1	0	4	4
XEEHV7	VI	Mini Project	0	0	5	5	10
		<b>Total</b>	<b>12</b>	<b>1</b>	<b>7</b>	<b>20</b>	<b>27</b>

**a) Energy Engineering:**

Course Code	Semester	Course Title	L	T	P	C	H
XEEHE1	III	Alternative Sources of Energy	3	0	0	3	3
XEEHE2	IV	Solar Energy System and Technologies	3	0	0	3	3
XEEHE3	IV	Solar Energy System and Technologies Laboratory.	0	0	1	1	2
XEEHE4	V	Wind Energy Conversion Systems	3	1	0	4	4
XEEHE5	VI	Energy Conversion and Storage Technologies	3	1	0	4	4
XEEHE6	VI	Mini Project	0	0	5	5	10
		<b>Total</b>	<b>12</b>	<b>2</b>	<b>6</b>	<b>20</b>	<b>26</b>

The complete Curriculum and Syllabi with details are given in Annexure.



**Notes:**

In the 39<sup>th</sup> Academic Council Meeting, the specializations considered were

1. Artificial Intelligence and Machine Learning, and
2. Robotics

But, as per the recommendations of the Board of Studies the specializations

1. Electric Vehicles, and
2. Energy Engineering, are offered.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Tech (Hons).- Electrical and Electronics Engineering with specialization in (a) Electric Vehicles (b) Energy Engineering in the existing regulation (Regulation 2021, Revision 1: Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech – Electrical and Electronics Engineering Curriculum and Syllabi, Regulation 2021).

**FET  
M.Tech.-  
PED  
40.3.8**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for M.Tech. - Power Electronics and Drives under Full-Time (Regulation 2022).

**Notes:**

The Board of Studies of the M.Tech.- Power Electronics and Drives under Department of Electrical and Electronics Engineering recommended the Curriculum from I to IV Semesters and Syllabi from I to IV Semesters for M.Tech.- Power Electronics and Drives (Regulation 2022). Curriculum is in line with AICTE guidelines 2018. The syllabus is framed based on feedback on curricular aspects from stakeholders. The syllabus contains 97% courses having focus on employability/entrepreneurship/skill development. The complete Curriculum and Syllabi with details are given in Annexure.

The matter is placed before the Academic Council for approval.

## 5. Department of Mechanical

### B.Tech

Periyar Nagar, Vallam Thanjavur - 613 403, Tamil Nadu, India  
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#### **MINUTES OF THIRTY EIGHTH MEETING OF THE ACADEMIC COUNCIL**

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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
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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

13. Smart Grids
14. Power Quality and FACTS
15. Sustainable Energy Utilization
16. Solar and Energy Storage System
17. Microprocessors & Control Systems Laboratory

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabus for B.Tech.- Electrical and Electronics Engineering under Part-Time (Regulation 2021).

**DEPARTMENT OF MECHANICAL ENGINEERING**

**FET  
Mech  
38.3.8**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabus for B.Tech – Mechanical Engineering programme under Full-Time (Regulation 2021).

**Notes:**

The Board of Studies of the Department of Mechanical Engineering recommended the Curriculum and Syllabus from I to VIII Semesters for B.Tech. Mechanical Engineering programme under Full-Time (Regulation 2021).

Curriculum and Syllabus are in line with AICTE guidelines with 21% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus has 92% courses having focus on employability/ entrepreneurship/skill development. The complete curriculum and syllabus

3. Electrical and Electronic Engineering Systems Laboratory
4. Transforms and Partial Differential Equations
5. Universal Human Values 2 : Understanding Harmony
6. Computer Aided Drafting Laboratory
7. Entrepreneurship Management
8. Fluid Power Control and Mechatronics Laboratory
9. Heat Transfer and Refrigeration Laboratory
10. Professional Skills
11. Tool Design and Drawing Laboratory
12. CAD /CAM Laboratory
13. Advanced Welding Technology
14. Internet of Things and Smart Manufacturing

**New Value Added Courses**

1. Robotics - Intermediate Level

**Open Electives**

1. Renewable Energy Sources

The matter is placed before the Academic Council for Approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabus for B.Tech – Mechanical Engineering programme under Full-Time (Regulation 2021).

**FET  
Mech  
38.3.9**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabus for I to VII Semesters for B.Tech-Mechanical Engineering under Part-Time (Regulation 2021).

**Notes:**

The Board of Studies of Department of Mechanical Engineering has recommended the Curriculum and Syllabus from I to VII Semester for B.Tech.-Mechanical Engineering programme under Part-Time (Regulation 2021).

Curriculum and Syllabus are in line with AICTE guidelines with 25% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The

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



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### **MINUTES OF FORTIETH MEETING OF THE ACADEMIC COUNCIL**

**Date : 27.08.2022**

**Venue: Richard Dawkins Hall**

**Time : 10.30 A.M**

**Place : PMIST, Vallam – Thanjavur**

The Fortieth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 27.08.2022 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.P.Aruna	Member
5.	Dr.S.Asokan	Member
6.	Dr.S.Buveneswari	Member
7.	Dr.A.George	Member
8.	Dr.S.Gomathi	Member
9.	Dr.P.Guru	Member
10.	Dr.V.Hamsadhwani	Member
11.	Dr.R.Jayanthi	Member
12.	Dr.N.Jayanthi	Member
13.	Dr.J.Jeyachidra	Member
14.	Mr.I.Karthic Subramaniayan	Member
15.	Dr.T.Kavitha	Member
16.	Dr.K.Kesavan	Member
17.	Dr.R.Krishnamurthi	Member
18.	Dr.S.P.Kulanthaivel Babu	Member

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabi for M.Tech. - Power Electronics and Drives under Full-Time (Regulation 2022).

**DEPARTMENT OF MECHANICAL ENGINEERING**

**FET** TO CONSIDER AND APPROVE the curriculum and syllabi for B.Tech. **B.Tech.- Mech** (Hons).- Mechanical Engineering with specialization in a) Robotics and **40.3.9** Industrial Automation (b) Energy Engineering (Regulation 2021, Revision 1: Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech–Mechanical Engineering curriculum and syllabi, Regulation 2021) are given below:

**a). Robotics and Industrial Automation**

Course Code	Semester	Course Title	L	T	P	C	H
XECHR1	III	Service Robotics with Drives and Sensors	3	0	2	3	5
XECHR2	IV	Industrial Robotics and Automation	3	0	2	3	5
XECHR3	V	Fundamentals of ROS and Embedded in Robotics	3	0	2	3	5
XECHR4	V	Artificial Intelligence and Computer Vision for Robotics	3	0	2	3	5
XECHR5	VI	Deep Learning for Robotics	3	0	2	3	5
XECHR6	VII	Mini Project	0	0	5	5	10
<b>Total</b>			<b>5</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>35</b>

**b). Energy Engineering**

Course Code	Semester	Course Title	L	T	P	C	H
XMEHE1	III	Alternative Sources of Energy	3	0	0	3	3
XMEHE2	IV	Solar and Wind Energy Systems	3	1	0	4	4
XMEHE3	IV	Renewable Energy Laboratory – I	0	0	1	1	2
XMEHE4	V	Energy Storage Systems and Sustainable Development	3	0	0	3	3
XMEHE5	VI	Energy Audit, Conservation and Management	3	0	0	3	3
XMEHE6	VI	Renewable Energy Laboratory – II	0	0	1	1	2
XMEHE7	VII	Mini Project	0	0	5	5	10
<b>Total</b>			<b>12</b>	<b>1</b>	<b>7</b>	<b>20</b>	<b>29</b>

The complete Curriculum and Syllabi are given in Annexure.

## M.Tech

FET  
M.Tech.-  
RE  
40.3.11

TO CONSIDER AND APPROVE the Programme Educational Objectives (PEO) and Programme Outcomes (PO) for M.Tech Renewable Energy programme.

**Notes:**

The faculty of the department along with the guidance of External academic experts framed PEOs and POs. The changes given by the stakeholders are considered and they are reflected in the COs as well. The PEOs and POs are given along with the Curriculum and Syllabi in Annexure.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Programme Educational Objectives (PEO) and Programme Outcomes (PO) for M.Tech Renewable Energy programme.

FET  
M.Tech.-  
RE  
40.3.12

TO CONSIDER AND APPROVE the Curriculum and Syllabi for M.Tech. Renewable Energy under Full Time (Regulation 2022).

**Notes:**

The Board of Studies of the M.Tech. Renewable Energy under Department of Mechanical Engineering recommended the Curriculum from I to IV Semesters and Syllabi from I to IV Semesters for M.Tech. Renewable Energy (Regulation 2022). The Curriculum is in line with AICTE guidelines 2018 with 23.08% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from stakeholders. The syllabus contains 97.06% courses having focus on employability / entrepreneurship / skill development.

**New Courses offered by the department under Regulation 2022:**

1. Wind, Ocean and Geothermal Energy Systems
2. Solar Energy Laboratory
3. Process Modelling and Simulation Laboratory
4. Computational Fluid Dynamics Laboratory
5. Industrial Safety

**Open elective offered by the department under Regulation 2022:**

1. Industrial Safety

23

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for M.Tech. Renewable Energy under Full Time (Regulation 2022) and the open elective "Industrial Safety" offered by the department under Regulation 2022.

## 6. Department of CSE

### B.Tech

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



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

Date : 30.09.2021  
Time : 03.30 p.m.

Venue: Through Online  
Place : PMIST, Vallam – Thanjavur

The Thirty Eighth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur was held on 30.09.2021 at 03.30 p.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.Buvanewari	Member
9.	Dr.A.George	Member
10.	Dr.S.Gomathi	Member
11.	Dr.P.Guru	Member
12.	Dr.V.Hamsadhvani	Member
13.	Dr.R.Jayanthi	Member
14.	Dr.L.Jayanthi	Member
15.	Dr.N.Jayanthi	Member
16.	Dr.J.Jeyachidra	Member

1

#### **4. BUSINESS BROUGHT FORWARD BY FACULTY OF COMPUTING SCIENCES & ENGINEERING (FCSE)**

##### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

FCSE TO CONSIDER AND APPROVE the Curriculum and Syllabus for B.Tech –  
CSE **Computer Science** and Engineering programme under Full-Time  
38.4.1 (Regulation 2021).

##### **Notes:**

The Board of Studies of the Department of Computer Science and Engineering recommended the curriculum from I to VIII Semesters and Syllabus from I to VIII Semesters for B.Tech Computer Science and Engineering programme under Full -Time (Regulation 2021).

23

Curriculum and Syllabus is in line with AICTE guidelines 2020 with 28% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus has 92% courses having focus on employability/ entrepreneurship/ skill development. The complete Curriculum and Syllabus with details are attached as Annexure. The new courses of Regulations 2021, Value added courses to be offered by department and Open Elective courses offered by the department to other department students are as follows:

#### **New Courses**

1. Basics of Electronic Devices and Circuits
2. Big Data Analytics
3. Big Data Analytics Lab
4. Machine Learning
5. Machine Learning Lab
6. Object Oriented Programming
7. Object Oriented Programming Lab
8. IT Workshop (Lab)
9. Artificial Intelligence
10. Internet of Things
11. Cloud Computing
12. Project Management
13. Human Computer Interaction
14. Mobile Application Development
15. Speech Communication
16. Technical Communication
17. Professional Skills
18. Universal Human Values 2 : Understanding Harmony
19. Entrepreneurship Development
20. Web Technology

#### **New Value Added Courses**

1. R Programming
2. Python Programming
3. Augmented Reality and Virtual Reality



Sl. No.	Programme	Duration	Intake
4	B.Tech.-Civil Engineering B.Tech. (Hons.) - Civil Engineering with specialization in GIS and Remote Sensing	4 Years	60
5	B.Tech.-Computer Science and Engineering B.Tech. (Hons.) - CSE with specialization in AI and ML B.Tech. (Hons.) - CSE with specialization in Data Science	4 Years	120
6	B.Tech.-Electrical and Electronics Engineering B.Tech. (Hons.) - EEE with specialization in Electric Vehicles B.Tech. (Hons.) - EEE with specialization in Energy Engineering	4 Years	60
7	B.Tech.-Electronics and Communication Engineering B.Tech. (Hons.) - ECE with specialization in AI and ML B.Tech. (Hons.) - ECE with specialization in Robotics and Industrial Automation	4 Years	60
8	B.Tech.-Mechanical Engineering B.Tech. (Hons.) - Mechanical Engineering with specialization in Robotics and Industrial Automation B.Tech. (Hons.) - Mechanical Engineering with specialization in Energy Engineering	4 Years	60
9	B.C.A.	3 Years	180
10	B.Sc - Data Science	3 Years	60
11	B.Sc- Computer Science	3 Years	120
12	B.Sc- Animation & Multimedia	3 Years	30
13	B.Sc- Artificial Intelligence	3 Years	30
14	B.Sc- Mathematics	3 Years	30
15	B.Sc- Physics	3 Years	30
16	B.Sc- Chemistry	3 Years	30
17	B.Com.	3 Years	120
18	B.Com. (Hons)	3 Years	60
19	B.Com - Corporate Secretaryship	3 Years	60
20	B.Com - Computer Applications	3 Years	60
21	B.B.A.	3 Years	60
22	B.B.A - Hospitality Management	3 Years	30
23	B.B.A - Logistics and Supply Chain Management	3 Years	30
24	B.A.- English	3 Years	30
25	B.A.- Tamil	3 Years	30
26	B.A.- Journalism and Mass Communication	3 Years	30
27	B.Sc. B.Ed. (4 Years Integrated) Stream: Mathematics, Physics & Chemistry	4 Years	50
28	B.Ed	2 Years	100

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for M.Tech. Renewable Energy under Full Time (Regulation 2022) and the open elective "Industrial Safety" offered by the department under Regulation 2022.

**4. BUSINESS BROUGHT FORWARD BY FACULTY OF COMPUTING**

**SCIENCES & ENGINEERING (FCSE)**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**FCSE** **TO CONSIDER AND APPROVE** the Curriculum and Syllabi for B.Tech. **B.Tech.-** (Hons).- Computer Science and Engineering with specializations in a) Artificial **CSE** Intelligence and Machine Learning b) Data Science (Regulation 2021, **40.4.1** Revision 1: Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech-Computer Science and Engineering curriculum and syllabi, Regulation 2021) are given below:

**a). Artificial Intelligence and Machine Learning**

Sl .NO	Course Code	Course Name	Semester	L	T	P	C	H
1	XCSHA1	Introduction to Artificial Intelligence	III	1	0	2	3	5
2	XCSHA2	Image Processing and Vision Techniques	IV	1	0	2	3	5
3	XCSHA3	Introduction to Machine Learning	V	1	0	2	3	5
4	XCSHA4	Deep Learning for Robotics	VI	1	0	2	3	5
5	XCSHA5	Internet of Things	VI	1	0	2	3	5
6	XCSHA6	Mini Project	VII	-	-	5	5	10
<b>Total</b>				<b>5</b>	<b>0</b>	<b>15</b>	<b>20</b>	<b>35</b>

**b). Data Science**

Sl No	Course Code	Course Name	Semester	L	T	P	C	H
1	XCSHD1	Introduction to Data Science	III	1	0	2	3	5
2	XCSHD2	Data Visualization and Text Analytics	IV	1	0	2	3	5
3	XCSHD3	Applied Artificial Intelligence	V	1	0	2	3	5
4	XCSHD4	Deep Learning	VI	1	0	2	3	5
5	XCSHD5	Internet of Things	VI	1	0	2	3	5
6	XCSHD6	Mini project	VII	-	-	5	5	10
			<b>Total</b>	<b>5</b>	<b>0</b>	<b>15</b>	<b>20</b>	<b>35</b>

The specialization is applicable for students admitted from the academic year 2021-2022 onwards. The specialization is optional and the courses are taken in collaboration with the industry.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the curriculum and syllabi for B.Tech. (Hons).- Computer Science and Engineering with specializations in a) Artificial Intelligence and Machine Learning b) Data Science (Regulation 2021, Revision 1: Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech-Computer Science and Engineering Curriculum and Syllabi, Regulation 2021).

## 7. Department of Computer Science and Applications

### MCA

**Department of Computer Science and Applications**  
Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India  
Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660  
Email: headmca@pnu.edu Web: www.pnu.edu



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Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660  
Email: headmca@pnu.edu Web: www.pnu.edu

Faculty of Computing Sciences and Engineering

Department of Computer Science and Applications

BOARD OF STUDIES MEETING

#### Minutes of Meeting

Date: 15.06.2023

Time: 2:30 PM

Venue: CSA Dept.

Meeting Link: <https://meet.google.com/bqu-pngt-qfp>



#### Agenda:

- M.Sc. Data Science Regulation 2023 syllabi and curriculum
- MCA Regulation 2023 syllabi and curriculum
- B.Sc. Data Science Regulation 2022 – R1
- BCA Regulation 2021- R2
- Discussion on PEO, PO, and PSO of M.Sc. Data Science
- Discussion on Value-Added Courses
- Discussion on Course Outcomes

#### Members present:

The BoS members and the snaps of meeting are listed in Table, table 1 and Fig.1 and 2.

**Table I** Members of the BoS

S.No	Name of the Member	Designation and Address	Signature
1.	Dr.J.Jeyachidra	Professor and Dean FCSE, Faculty of Computing Sciences and Engineering, Periyar Maniammai Institute of Science & Technology, Vallam.	
2.	Dr.D.Ruby BoS Chairman	Associate Professor and Head, Department of Computer Science and Applications, Periyar Maniammai Institute of Science & Technology, Vallam.	

**Table II:** Discussions on courses with actions as remarks

S.No	Semester	Course Code	Course Name	Course content Deletion/ Addition/ New	Remarks	Action Taken
1	I	YCA101	Database Management Systems	----	----	---
2	I	YCA102	Computer Networks	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
3	I	YCA103	Object Oriented Programming, Analysis and Design	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
4	I	YCA104	Management Support Systems	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
5	I	YCA105	Mathematical Foundation for Computer Applications	----	----	---
6	I	YCA106	Database Management Systems Lab	----	----	---
7	I	YCA107	Mathematical Foundation for Computer Applications Lab using Java	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
8	2	YCA201	Advanced Operating System Concepts	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
9	2	YCA202	Software Engineering	----	----	---
10	2	YCA203	Advanced Data Structures	----	----	---
11	2	YCA205	Advanced Operating System Concepts Lab	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
12	2	YCA206	Case Tools Lab	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers

13	3	YCA301	Artificial Intelligence and Machine Learning	----	----	---
14	3	YCA302	Graphics and Multimedia	----	----	---
15	3	YCA303	Optimization Techniques	Removed	Course is removed and added as One of the Electives.	---
16	3	YCA304	Artificial Intelligence and Machine Learning Lab using Python	---	---	---
17	3	YCA305	Optimization Techniques Lab	Removed	-----	---
18	3	YCA306	Industrial Lectures	---	---	---
19	3	YCA307	Mini Project	---	---	---
20	4	YCA401	Research Methodology(Paper Publications)	---	---	---
21	4	YCA402	Project	---	---	---
22	3	YCABM1	Managerial Economics	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
23	3	YCABM2	Corporate Planning	---	---	---
24	2	YCABM3	Foundations of Decision Processes	---	---	---
25	2	YCABM4	Investment Technology	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
26	3	YCABM5	Business Finance	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
27	3	YCABM6	Taxation Practices	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
28	3	YCABM7	MIS Frameworks and Implementation	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
29	2	YCABM8	Management of Software Projects	---	---	---
30	2	YCABM9	Blockchain Technology	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers

31	1	YCAEE1	Data Mining and Data Warehousing	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
32	3	YCAEE10	Bigdata Analytics	----	Course is removed as elective and changed as Core Subject	Feedback given by students and Teachers
33	1	YCAEE2	High Performance Computing	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
34	3	YCAEE3	Compiler Design	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
35	3	YCAEE4	Cloud Computing	----	----	----
36	3	YCAEE5	Distributed Database Management	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
37	3	YCAEE6	Image Processing	----	----	----
38	3	YCAEE7	Parallel Programming	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
39	1	YCAEE8	System Analysis and Simulation	Removed	Course is removed based on BoS members recommendation	Feedback given by students and Teachers
40	1	YCAEE9	Cryptography and Information Security	----	Course is removed as elective and changed as Core Subject	Feedback given by students and Teachers

**D. LIST OF NEWLY INTRODUCED COURSES IN REGULATION 2023**

S.No	Course Code	Course Title	Semester
1	YCA103	Python Programming	I
2	YCA107	Python Programming Laboratory	I
3	YCA108	Soft Skill Development	I
4	YCA204	Object Oriented Programming Language	II
5	YCA206	Big Data Analytics Laboratory	II
6	YCA207	Object Oriented Programming Language Laboratory	II

7	YCA208	Data Visualisation Lab	II
8	YCA308	Computer Graphics and Multimedia Laboratory	III
9	YCAME2B	Automata Theory	II
10	YCAME2C	Numerical Methods	II
11	YCAME2D	Combinatorics	II
12	YCABE5D	Enterprise Resource Planning	II
13	YCACE3B	Human-Computer Interface	III
14	YCACE3D	Natural Language Processing	III
15	YCAEE4A	Deep Learning	IV
16	YCAEE4B	Exploratory Learning	IV
17	YCAEE4C	Business Intelligence	IV
18	YCAEE4D	Predictive Analysis	IV

#### E. LIST OF COURSES REMOVED

**Table III** Table of courses removed in MCA Curriculum 2020

S.No	Course Code	Course Title
1	YCA102	Computer Networks
2	YCA103	Object Oriented Programming, Analysis and Design
3	YCA104	Management Support Systems
4	YCA107	Mathematical Foundation for Computer Applications Lab using Java
5	YCA201	Advanced Operating System Concepts
6	YCA205	Advanced Operating System Concepts Lab
7	YCA206	Case Tools Lab
8	YCA305	Optimization Techniques Lab
9	YCAEE1	Data Mining and Data Warehousing
10	YCAEE2	High Performance Computing
11	YCAEE3	Compiler Design
12	YCAEE8	System Analysis and Simulation
13	YCAEE5	Distributed Database Management
14	YCAEE7	Parallel Programming
15	YCABM4	Investment Technology
16	YCABM9	Blockchain Technology
17	YCABM1	Managerial Economics
18	YCABM5	Business Finance
19	YCABM6	Taxation Practices
20	YCABM7	MIS Frameworks and Implementation



## F. PERCENTAGE CHANGE IN THE SYLLABUS

Number of new courses added	= 18
Number of courses removed	= 20
% change	= $(20/40 + 18/42) \times 100 = 92.85\%$

## G. COURSES ON EMPLOYABILITY/ENTREPRENEURSHIP/SKILL DEVELOPMENT

The curriculum focuses of including 71% of courses with employability, 13% with entrepreneurship and 16% with skill development. The courses are given below

**Table V Categorization of courses**

Course Code	Course Title	Category
YCA101	Database Management Systems	Employability
YCA102	Cryptography and Network Security	Employability
YCA103	Python Programming	Employability
YCA104	Mathematical Foundation for Computer Applications	Skill Development
YCA105	Software Engineering	Employability
YCA106	Database Management Systems Laboratory	Employability
YCA107	Python Programming Laboratory	Employability
YCA108	Soft Skill Development	Employability
YCA201	Big Data Analytics	Employability
YCA203	Advanced Data Structures	Employability
YCA204	Object Oriented Programming Language	Employability
YCA206	Advanced Data Structures Laboratory	Employability
YCA207	Object Oriented Programming Language Laboratory	Employability
YCA208	Data Visualisation Laboratory	Employability
YCA301	Artificial Intelligence and Machine Learning	Employability
YCA302	Computer Graphics and Multimedia	Employability
YCA305	Mini Projects	Employability
YCA306	Industrial Lecturers	Entrepreneurship
YCA307	Artificial Intelligence and Machine Learning Laboratory using Python	Employability

YCA308	Computer Graphics and Multimedia Laboratory	Employability
YCA401	Review of Literature	Skill Development
YCA402	Main Project	Employability
YCAME2A	Optimization Techniques	Skill Development
YCAME2B	Automata Theory	Skill Development
YCAME2C	Numerical Methods Using Python	Skill Development
YCAME2D	Combinatorics	Skill Development
YCAME2A	Foundations of Decision Processes	Entrepreneurship
YCAME2B	Corporate Planning	Entrepreneurship
YCAME2C	Management of Software Projects	Entrepreneurship
YCAME2D	Enterprise Resource Planning	Entrepreneurship
YCA3E3A	Cloud Computing	Employability
YCA3E3B	Human-Computer Interface	Employability
YCA3E3C	Digital Image Processing	Employability
YCA3E3D	Natural Language Processing	Employability
YCA3E4A	Deep Learning	Employability
YCA3E4B	Exploratory Learning	Employability
YCA3E4C	Business Intelligence	Employability
YCA3E4D	Predictive Analysis	Employability

#### H. DISCUSSION ON PROGRAMME ARTICULATION MATRIX (PO COVERAGE BY ALL COS)

The existing POs and PSO was presented. The members agreed that there need not be any changes in the PSO and PO.

#### I. VALUE ADDED COURSES PROVIDED

Value added courses with more than 30 hours are given to the students by the department. The value-added courses are given in Table VI. The syllabus of the same is given in Appendix A.

Table VI Value-added courses

S.No.	Course Name	Remarks
1.	VA-XCA-01 – Python Programming	Old
2.	VA-XCA-02 – Cloud Computing	Old
3.	VA-XCA-03 – Big Data Analytics	Old
4.	VA-XCA-04 – R Programming	Old
5.	VA-XCA-05 – IoT	Old
6.	VA-XCA-06 – DevOps	New
7.	VA-XCA-07 – AWS	New
8.	VA-XCA-08 – Google Cloud	New

9.	VA-XCA-09 – Go Programming	New
10.	VA-XCA-10 – Google Cloud	New

The BoS members recommended to submit the outcome of this meeting in the forthcoming Academic Council meeting for approval.

  
**HoD/CSA**  
(Dr.D.Ruby)

Dr. D. RUBY M.C.A., M.Phil., Ph.D  
Associate Professor  
Department of Computer Science and Applications  
Periyar Maniammai Institute of Science and Technology  
Vallam, Thanjavur - 613 403.

  
**Dean (FCSE)**  
(Dr.J.Jeyachidra)

Dr.J.JEYACHIDRA  
Dean  
Faculty of Computing Sciences and Engineering  
Periyar Maniammai Institute of Science and Technology  
Periyar Nagar, Vallam-613 403.  
Email: deanscse@pmu.edu

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



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**MINUTES OF FORTIETH MEETING OF THE ACADEMIC COUNCIL**

**Date : 27.08.2022**

**Venue: Richard Dawkins Hall**

**Time : 10.30 A.M**

**Place : PMIST, Vallam – Thanjavur**

The Fortieth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 27.08.2022 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.P.Aruna	Member
5. Dr.S.Asokan	Member
6. Dr.S.Buveneswari	Member
7. Dr.A.George	Member
8. Dr.S.Gomathi	Member
9. Dr.P.Guru	Member
10. Dr.V.Hamsadhwani	Member
11. Dr.R.Jayanthi	Member
12. Dr.N.Jayanthi	Member
13. Dr.J.Jeyachidra	Member
14. Mr.I.Karthic Subramaniayan	Member
15. Dr.T.Kavitha	Member
16. Dr.K.Kesavan	Member
17. Dr.R.Krishnamurthi	Member
18. Dr.S.P.Kulanthaivel Babu	Member

## DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

**FCSE** **TO CONSIDER AND APPROVE** the Curriculum and the Syllabi of the new  
**B.Sc.-**  
**Data** degree programme, B.Sc.-Data Science, to be offered from the Academic  
**Science** Year 2022-23 under Full-Time (Regulation 2022).  
**40.4.2**

Notes:

A new degree programme B.Sc. – Data Science is introduced from the year academic year 2022-23 onwards. The Board of Studies of the Department of Computer Science and Applications recommended the Curriculum and Syllabi

from I to VI Semester for B.Sc.-Data Science programme under Full-Time (Regulation 2022).

**Value Added Courses offered by the department in 2022-23:**

1. Pattern Recognition
2. Image Processing
3. MATLAB
4. Strike and DIP
5. Advanced Data Model

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and the Syllabi of the new degree programme, B.Sc.-Data Science, to be offered from the Academic Year 2022-23 under Full-Time (Regulation 2022) and the value added courses offered by the department in 2022-23.

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Email: registrar@pmu.edu Web: www.pmu.edu



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**MINUTES OF FORTY SECOND MEETING OF THE ACADEMIC COUNCIL**

Date : 08.07.2023

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Forty Second Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 08.07.2023 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.Arthi 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.P.Balakumar                              | Member |
| 8.  | Dr.S.Buvaneswari                            | Member |
| 9.  | Dr.P.Guru                                   | Member |
| 10. | Dr.K.Geetha                                 | Member |
| 11. | Dr.A.George                                 | Member |
| 12. | Dr.A.Manohar (Represented for Dr.S.Gomathi) | Member |
| 13. | Dr.V.Hamsadhwani                            | Member |
| 14. | Dr.R.Jayanthi                               | Member |
| 15. | Dr.N.Jayanthi                               | Member |
| 16. | Dr.J.Jeyachidra                             | Member |
| 17. | Dr.D.Jeyasimman                             | Member |
| 18. | Mr.I.Karthic Subramaniayan                  | Member |
| 19. | Dr.R.Kathiravan                             | Member |

**FCSE** **TO CONSIDER AND APPROVE** the Curriculum and Syllabi from I to IV  
**MCA,** semester of MCA programme under Full Time (Regulation 2023) and M.Sc  
**M.Sc.-DS** Data Science programme Under Full Time (Regulation 2023) along with the  
**42.4.5** introduction of Value Added Courses in MCA Programme Under Full Time  
(Regulation 2023 and) M.Sc Programme Under Full Time (Regulation 2023).

The Value Added Courses are:

- DevOps
- AWS
- Google Cloud
- GO Programming
- Data Visualization

**Notes:**

The Board of Studies of the Department of Computer Science and Applications recommended the introduction of Value Added Courses and

curriculum and syllabi from I to IV Semesters of MCA Programme under full time Regulation 2023 and M.Sc.-Data Science Programme under Full-Time Regulation 2023.

The matter is placed before the Academic Council for Approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi from I to IV semester of MCA programme under Full-Time (Regulation 2023) and M.Sc Data Science programme Under Full Time (Regulation 2023) along with the introduction of Value Added Courses in MCA Programme Under Full-Time (Regulation 2023 and) M.Sc Programme Under Full-Time (Regulation 2023).

## 8. Department of Software Engineering

### B.Sc Animation and Multimedia

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



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#### MINUTES OF THIRTY EIGHTH MEETING OF THE ACADEMIC COUNCIL

Date : 30.09.2021

Venue: Through Online

Time : 03.30 p.m.

Place : PMIST, Vallam – Thanjavur

The Thirty Eighth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur was held on 30.09.2021 at 03.30 p.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



## **DEPARTMENT OF SOFTWARE ENGINEERING**

**FCSE**      **TO CONSIDER AND APPROVE** the Curriculum and Syllabus for B.Sc. –  
**B.Sc.-**      Animation and Multimedia programme under Full-Time (Regulation 2021)  
**A&M**  
**38.4.3**      **Notes:**

The Board of Studies of the Department of Software Engineering recommended the Curriculum from I to VI Semesters and Syllabus from I to VI Semesters for B.Sc. Animation and Multimedia programme under Full-Time (Regulation 2021).

Modifications in the Curriculum is based on Learning Outcomes based Curriculum Frame work (LOCF) released by University Grant Commission.

Credit distribution of the Curriculum and Syllabus is in line with UGC guidelines 2020 with 35% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus has 88% courses having focus on employability/entrepreneurship/skill development. The complete

### **New courses**

1. Foundation Art
2. Introduction to Computer Graphic Design
3. Vector Graphics
4. Multimedia
5. Paint Effects & Dynamics
6. Virtual Reality and Augmented Reality
7. UX Design
8. Character Design For Animation
9. E-Publishing
10. Acting For Animators
11. Advanced 3D Animation
12. Advertisement Film Making
13. Miniatures For Low Budget Filming
14. Media Law and Ethics
15. Introduction to Advertising
16. Introduction to Journalism
17. Online Content Creation (Minor Course)

## B.Sc Artificial Intelligence)

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India  
Phone: +91 - 4362 - 254600 Fax: +91- 4362 - 254660  
Email: registrar@pmu.edu Web: www.pmu.edu



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### MINUTES OF FORTIETH MEETING OF THE ACADEMIC COUNCIL

Date : 27.08.2022

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Fortieth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 27.08.2022 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.P.Aruna	Member
5.	Dr.S.Asokan	Member
6.	Dr.S.Buvaneswari	Member
7.	Dr.A.George	Member
8.	Dr.S.Gomathi	Member
9.	Dr.P.Guru	Member
10.	Dr.V.Hamsadhwani	Member
11.	Dr.R.Jayanthi	Member
12.	Dr.N.Jayanthi	Member
13.	Dr.J.Jeyachidra	Member
14.	Mr.I.Karthic Subramaniayan	Member
15.	Dr.T.Kavitha	Member
16.	Dr.K.Kesavan	Member
17.	Dr.R.Krishnamurthi	Member
18.	Dr.S.P.Kulanthaivel Babu	Member

## **DEPARTMENT OF SOFTWARE ENGINEERING**

**FCSE** **TO CONSIDER AND APPROVE** the Curriculum and Syllabus for B.Sc.  
**B.Sc. - AI** **Artificial Intelligence degree Programme under Full Time (Regulation 2022).**  
**40.4.4**

**Notes:**

**A new degree programme B.Sc. Artificial Intelligence is introduced from year 2022-23 onwards.** The Board of Studies of the Department of Software Engineering pertaining to B.Sc. Artificial Intelligence degree programme recommended the curriculum from I to VI Semesters and Syllabi from I to VI Semesters under Full Time (Regulation 2022).

Curriculum and Syllabus for the B.Sc. Artificial Intelligence degree programme is framed by the department faculty considering the feedback from Department Advisory Committee, External academic and industrial experts. The complete curriculum and syllabus with details are given as Annexure.

Value added courses to be offered by department as follows:

**Value Added Courses offered by the department in 2022-23:**

1. Office Automation
2. Photoshop
3. Computer Hardware and Trouble shooting.
4. Practical Computer Networking
5. REACT JS
6. Multimedia

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabus for B.Sc. Artificial Intelligence degree Programme under Full Time (Regulation 2022) and the value added courses offered by the department in 2022-23.

## B.Sc (Computer Science with Specialization in Cyber Security)

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India  
Phone: +91 - 4362 - 264600 Fax: +91- 4362 - 264660  
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### MINUTES OF FORTY SECOND MEETING OF THE ACADEMIC COUNCIL

**Date : 08.07.2023**

**Venue: Richard Dawkins Hall**

**Time : 10.30 A.M**

**Place : PMIST, Vallam – Thanjavur**

The Forty Second Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 08.07.2023 at 10.30 a.m.

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

**FCSE  
Soft. Engg.  
B.Sc.-CS  
42.4.7**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for B.Sc. – Computer Science with specialization in Cyber Security Programme under Full Time (Regulation 2023).

**Notes:**

**The Board of Studies of the Department of Software Engineering recommended the curriculum from I to VI Semesters and Syllabi from I to VI Semesters for B.Sc. Computer Science with specialization in Cyber Security programme under Full Time (Regulation 2023).**

**Curriculum and Syllabi of B.Sc. – Computer Science with specialization in Cyber Security includes the feedback on curricular aspects from students, academicians, industrial experts and alumni.**

**Value Added Courses**

1. Computer Hardware
2. Problem Solving Techniques
3. Enhancing Skills in Excel
4. Practical Computer networking
5. Data Science
6. UI Design

The matter is placed before the Academic Council for Approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Sc. – Computer Science with specialization in Cyber Security Programme under Full Time (Regulation 2023).

## 9. Department of Chemistry M.Sc Chemistry

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



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### MINUTES OF FORTY SECOND MEETING OF THE ACADEMIC COUNCIL

Date : 08.07.2023

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Forty Second Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 08.07.2023 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.P.Balakumar	Member
8. Dr.S.Buvaneswari	Member
9. Dr.P.Guru	Member
10. Dr.K.Geetha	Member
11. Dr.A.George	Member
12. Dr.A.Manohar (Represented for Dr.S.Gomathi)	Member
13. Dr.V.Hamsadhvani	Member
14. Dr.R.Jayanthi	Member
15. Dr.N.Jayanthi	Member
16. Dr.J.Jeyachidra	Member
17. Dr.D.Jeyasimman	Member
18. Mr.I.Karthic Subramaniayan	Member
19. Dr.R.Kathiravan	Member

## DEPARTMENT OF CHEMISTRY

**FHSM** TO CONSIDER AND APPROVE the Curriculum and Syllabi for I to IV  
**M.Sc** Semester for M.Sc. Chemistry programme under Regulation 2023 and  
**Chemistry** Proposed Value-Added Courses.  
**42.5.1**

Notes:

The Board of Studies of Department of Chemistry recommended the Curriculum and Syllabi for I to IV Semester for M.Sc. Chemistry programme under full-time Regulation 2023 for the candidates admitted from 2023 – 24 onwards. Curriculum and Syllabus with 18% revision from previous syllabus. The syllabus revision included feedback on curricular aspects from students, teachers, Industrialist, employers and alumni. The syllabus and courses are having focus on employability/ entrepreneurship / skill development.

The new courses offered by the department are

Sl.No.	Course Name
1.	Bio-Inorganic Chemistry
2.	Medicinal Chemistry
3.	Research Methodology
4.	Chemical Biology
5.	Chemistry of Natural Products

### Value-Added Courses

Sl.NO.	VAC	Offered In Semester
1	Spectral Interpretation	III
2	Fundamentals in Bio molecules	III
3	Cheminformatics	IV

The matter is placed before the Academic Council for Approval.

### Resolution

RESOLVED TO APPROVE the Curriculum and Syllabi for I to IV Semester for M.Sc. Chemistry programme under Regulation 2023 and Proposed Value-Added Courses.

## B.Sc Chemistry

FHSM  
B.Sc  
Chemistry  
42.5.2

**TO CONSIDER AND APPROVE the Curriculum and Syllabi for I to VI Semester for B.Sc. Chemistry programme under Regulation 2023 and Proposed Value-Added Courses.**

### Notes:

The Board of Studies of Department of Chemistry recommended the Curriculum and Syllabi for I to VI Semester for B.Sc. Chemistry programme, Allied Chemistry syllabus for III & IV Semester for B.Sc. Physics and the common course Environmental Studies for B.Sc./B.Com./B.B.A/B.A/B.C.A under full time (Regulation 2023) for the candidates admitted from the Academic Year 2023 –24 onwards.

Curriculum and Syllabus is with 99% revision from previous syllabus. The syllabus revision included feedback on curricular aspects from students, teachers, Industrialist, employers and alumni. The syllabus has courses having focus on employability/entrepreneurship/skill development.

The new courses offered by the department are

Sl. No.	Name of the course
1.	Quantitative Inorganic estimation (titrimetry) and Inorganic Preparations
2.	Qualitative Organic Analysis and preparation of Organic Compounds
3.	General Chemistry-III
4.	Qualitative Inorganic Analysis
5.	General Chemistry-IV
6.	Physical Chemistry Practical- I
7.	Organic Chemistry -I
8.	Inorganic Chemistry - I
9.	Physical Chemistry -I
10.	Project Phase I
11.	Organic Chemistry -II
12.	Inorganic Chemistry - II
13.	Physical Chemistry -II
14.	Gravimetric Estimation practical
15.	Cosmetics and Personal care Products
16.	Dairy Chemistry
17.	Food Chemistry
18.	Chemistry in day today life
19.	Pesticide Chemistry
20.	Instrumental Methods Of Chemical Analysis
21.	Forensic Science
22.	Industrial Chemistry
23.	Python for Chemist
24.	Foundation Course
25.	Tamil - III
26.	English - III
27.	Tamil - IV
28.	English - IV

#### Allied Chemistry Courses

Sl.No.	Name of the course
1.	Inorganic, Organic and Physical Chemistry I
2.	Inorganic, Organic and Physical Chemistry II

#### Value-Added Courses

B.Sc. Chemistry	Courses	Semester	Batch
II Year	Entrepreneurship Skills In Chemistry	III	2023 - 26
III Year	Industrial chemistry	V	2023 - 26

The matter is placed before the Academic Council for Approval.



## 10. Department of Commerce

### B.Com –Hons.

Department of Commerce  
Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu,  
India Phone: +91 - 4362 - 264600 Fax: +91- 4362 - 264660  
Email: [headcommerce@psmu.edu](mailto:headcommerce@psmu.edu) Web: [www.psmu.edu](http://www.psmu.edu)



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## BOARD OF STUDIES MEETING

### B.COM (HONS) FULL TIME PROGRAMME

#### Minutes of Meeting

Date: 12.07.2022; 03:00 PM

Venue: Marie Query Hall

Mode: Offline/Regular Mode

The Board of Studies meeting was held on 12.07.2022 for framing the B.Com (Hons) Curriculum and Syllabi from 1<sup>st</sup> semester to 6<sup>th</sup> semester for Regulation 2022.

#### Agenda:

1. To discuss on the feedback and actions taken on curricular aspects from stakeholders for Regulation 2018
2. To present the curriculum for B.Com (Hons) degree programme for Regulation 2022
3. To present the syllabi of B.Com (Hons) from 1<sup>st</sup> semester to 6<sup>th</sup> semesters of Regulation 2022
4. To discuss the Programme Articulation Matrix (PO coverage by all COs as per LOCF)
5. To present the Value-Added courses
6. To discuss the Open elective courses to be offered

#### Members present:

Table I -Members of the BOS

Sl No.	Name	Designation	Representing	Signature
1.	Dr.N.Jayanthi	Associate Professor/ Head	Chairperson	
2.	Dr.J.Gayathiri	Associate Professor, Department of Commerce, BDU	Member - Academic Expert	
3.	CA.C.Rajagopal	M/s. C.R. & Co, Chartered Accountant, Pattukottai, Thanjavur.	Member - Industry Expert	

				Security as UMAN course		
--	--	--	--	-------------------------	--	--

**D. List of Newly Introduced Courses in Regulation 2022 for B.Com (Hons)**

1. Foundation Tamil I
2. Foundation Tamil II
3. Goods and Service Tax and Customs Law
4. Advanced Cost Accounting
5. Digital Marketing
6. Communication & Documentation in Business
7. Personal Tax Planning and Tax Management
8. Computerised Accounting – Tally Practical
9. Organizational Behaviour
10. Financial Technology and Analytics
11. Macro Economics
12. Personal Finance & Planning
13. Corporate Governance

**E. List of Courses Removed**

Table 5 Courses removed with remarks

S. No	Course Code and Name	Remarks
1.	Indian Economy, Performance and Policies	Syllabus has covered in Business Economics
2.	Corporate Tax Planning	Syllabus has included in Income Tax and Tax Planning II
3.	Advertising	Syllabus has included in Digital marketing course
4.	Marketing Practices	Syllabus has included in Digital marketing course
5.	Consumer Affairs and Customer Care	Syllabus has included in Business laws
6.	PERT & CPM	Removed

**F. PERCENTAGE OF CHANGE IN THE SYLLABUS**

Number of new courses added = 2 core Courses (10 credits) + 3 cores courses with 60 % changes (18 credits) + 5 DSEs out of 15 DSEs (student will take 5 out of 15 courses) (20 credits) + 4 out of 6 SECs (Student will take 2 courses out of 6 courses) (10 credits) = 58 credits + 10 credits + 6 credits= 74 credits

Language Course Tamil- I & II ( 6 credits)

Credits for the new courses= 10 credits

% change =  $(74/154) \times 100 = 48.05\%$

## **B.Com**

FHSM  
B.Com  
42.5.8

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for B.Com under Full-Time (Regulation 2022 Revision-I).

**Notes:**

The Board of Studies of Department of Commerce recommended the revision in the curriculum and Syllabi for B.Com Programme under Full-Time (Regulation 2022, Revision I) for the students admitted during the Academic Year 2023-24.

**The new courses offered by the department in Regulation 2022 Revision-I for B.Com.**

- 1. Tamil III / Foundational Tamil III**
- 2. Tamil IV/ Foundational Tamil IV**
- 3. English III**
- 4. English IV**

**The matter is placed before the Academic Council for approval.**

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Com under Full-Time (Regulation 2022 Revision-I).



## BOARD OF STUDIES MEETING

### B.COM FULL TIME PROGRAMME

#### Minutes of Meeting

**Date:** 12.07.2022; 03:00 PM

**Venue:** Marie Query Hall

**Mode:** Offline/Regular Mode

The Board of Studies meeting was held on 12.07.2022 for framing the B.Com Curriculum and Syllabi from 1<sup>st</sup> semester to 6<sup>th</sup> semester for Regulation 2022.

#### **Agenda:**

1. To introduce the B.Com Regulation 2022.
2. To discuss on the feedback and actions on curricular aspects from stakeholders for Regulation 2018
3. To present the curriculum for B.Com degree programme for Regulation 2022
4. To present the syllabi of B.Com from 1<sup>st</sup> semester to 6<sup>th</sup> semesters of Regulation 2022
5. To discuss the Programme Articulation Matrix (PO coverage by all COs as per LOCF)
6. To present the Open Elective Courses

**Members present:**

**Table I -Members of the BOS**

Sl No.	Name	Designation	Representing	Signature
1.	Dr.N.Jayanthi	Associate Professor/ Head	Chairperson	
2.	Dr.J.Gayathiri	Associate Professor, Department of Commerce, BDU	Member - Academic Expert	
3.	CA.C.Rajagopal	M/s. C.R. & Co, Chartered Accountant, Pattukottai, Thanjavur.	Member - Industry Expert	

			Environmental, Social and governance (ESG) Corporate Social Responsibility (CSR) –Policy, Strategy, Implications and Governance		
V	Financial Accounting packages – Tally practical	Accounting Basic concepts removed	Masters, Reports of Outstanding, Accounts Summary	60%	Name Changed as Computerized Accounting - Tally Practical
V	Entrepreneurship				Syllabus has covered in Innovative Entrepreneurial Development
VI	Management Accounting	Fund Flow Statement Capital Budgeting	Overheads and sales variances. Disposition of Variances, Control Ratios. Decision making based on Marginal Cost Analysis	50%	Deleted topics are included in Fundamental of Financial management
VI	Auditing Practices		Audit Concepts Audit Documentation and Audit Evidence Audit of Companies Special Areas of Audit	50%	Changes introduced
VI	Personal selling and Salesmanship				Shifted to DSE and modified as Advertising and Personal selling
VI	Dissertation	Nil	Nil	Nil	Renamed as Project Report
VI	Cyber Laws	Nil	Included in Cyber Security as UMAN course	Nil	Removed

**D. List of Newly Introduced Courses in Regulation 2022 for B.Com**

1. Foundation Tamil I
2. Foundation Tamil II
3. Advanced Accountancy
4. Goods and Service Tax

5. Research Methodology
6. Event Management
7. Business Incubation
8. New Venture Planning and Development
9. Mind Management
10. Training and Development
11. Mutual Fund
12. Project Management
13. Indian Economy
14. Consumer Affairs
15. Banking Theory Law and Practice
16. Good Governance

#### E. List of Courses Removed

Table 5 Table of courses removed with remarks

S. No	Course Code and Name	Remarks
1.	GST model- minor course	Included in Core course
2.	Investment Management	Contents included in Stock Market Operations and Mutual Fund
3.	PERT & CPM	Removed
4.	Banking and Insurance	Contents Included in Banking and Micro Finance
5.	Corporate tax planning	Contents Included Business Tax Procedures and Management
6.	International Business	Removed
7.	Office Management & Secretarial practice	Removed

#### F. PERCENTAGE CHANGE IN THE SYLLABUS

Number of new courses added = 3 core courses + 7 cores with more than 50 % changes + 8 DSE (student will take 8 out of 12 courses) + 4 SEC (Student will take 4 courses out of 12 courses) = 72 credits

Number of courses removed = 7 courses with 25 credits

% change =  $(72/140) \times 100 = 51.43\%$

#### G. NOTES ON BENCHMARKING WITH UGC and World Top Universities MODEL CURRICULUM

1. The UGC model syllabus was also presented in the BoS. The members compared the designed curriculum and discussed the following

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**MINUTES OF FORTY SECOND MEETING OF THE ACADEMIC COUNCIL**

Date : 08.07.2023

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Forty Second Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 08.07.2023 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.Aarathi 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.P.Balakumar	Member
8.	Dr.S.Buvaneswari	Member
9.	Dr.P.Guru	Member
10.	Dr.K.Geetha	Member
11.	Dr.A.George	Member
12.	Dr.A.Manohar (Represented for Dr.S.Gomathi)	Member
13.	Dr.V.Hamsadhwani	Member
14.	Dr.R.Jayanthi	Member
15.	Dr.N.Jayanthi	Member
16.	Dr.J.Jeyachidra	Member
17.	Dr.D.Jeyasimman	Member
18.	Mr.I.Karthic Subramaniayan	Member
19.	Dr.R.Kathiravan	Member

**Notes:**

The Board of Studies of Department of Commerce recommended the revision in the curriculum and Syllabus for B.Com Computer Applications Programme under Full-Time Regulation 2021, (Revision II) for the students admitted during the academic year 2023-24.

The new courses offered by the department in Regulation 2021 Revision-II for B.Com Computer Applications.

1. Tamil III / Foundational Tamil III
2. Tamil IV / Foundational Tamil IV
3. English III
4. English IV

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the revision in Curriculum and Syllabi for B.Com Computer Applications Programme under Full-Time Regulation (2021 Revision- II).

**FHSM  
M.Com.  
42.5.11**

**TO CONSIDER AND APPROVE** the revision in Curriculum and Syllabi for M.Com Programme under full-time Regulation 2023.

**Notes:**

The Board of Studies of Department of Commerce recommended the revision in the Curriculum and Syllabus for M.Com Programme under Full-Time (Regulation 2023) for the students admitted during the academic year 2023-24. The curriculum focuses of including 98% of courses with either/ and employability/ entrepreneurship/ skill development.

**The new courses offered by the department in Regulation 2023 for M.Com**

1. Computerized Accounting – Tally Practical
2. Enterprise Resources Planning
3. Capital Markets
4. Applied -E Commerce
5. Credit Management
6. Financial Derivatives
7. Credit Management
8. Consumer rights and Education



## B.COM (Corporate Secretary ship)

31.	Principles of Insurance
32.	Financial Technology and Analytics
33.	Micro Finance
34.	Corporate Governance

The matter is placed before the Academic Council for approval.

### Resolution

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Com Professional Accounting under Full Time (Regulation 2023).

FHSM  
B.Com  
42.5.8

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for B.Com under Full-Time (Regulation 2022 Revision-I).

### Notes:

The Board of Studies of Department of Commerce recommended the revision in the curriculum and Syllabi for B.Com Programme under Full-Time (Regulation 2022, Revision I) for the students admitted during the Academic Year 2023-24.

The new courses offered by the department in Regulation 2022 Revision-I for B.Com.

1. Tamil III / Foundational Tamil III
2. Tamil IV/ Foundational Tamil IV
3. English III
4. English IV

The matter is placed before the Academic Council for approval.

### Resolution

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Com under Full-Time (Regulation 2022 Revision-I).

FHSM  
B.Com.-CS  
42.5.9

**TO CONSIDER AND APPROVE** the revision in Curriculum and Syllabi for B.Com.-Corporate Secretaryship Programme under Full-Time (Regulation 2023).

### Notes:

The Board of Studies of Department of Commerce recommended the revision in the Curriculum and Syllabus for B.Com Corporate Secretaryship

Programme under Full-Time (Regulation 2023) for the students admitted during the academic year 2023-24. Curriculum and Syllabus is with 44% revision from previous syllabus. The syllabus revision included feedback on curricular aspects from students, teachers, Industrialist, employers and alumni. The curriculum focuses of including 98% of courses with employability/ entrepreneurship/ skill development.

**The new courses offered by the department in Regulation 2023 for B.Com(CS).**

1. Tamil III / Foundational Tamil III
2. Tamil IV / Foundational Tamil IV
3. English III
4. English IV
5. Logistics Management
6. Basics of Personal Finance and Investment Management
7. Business Mathematics and Statistics
8. Principles of Marketing
9. Event Management
10. Banking and Micro Finance
11. Mind Management
12. Financial Services
13. New Venture Planning and Development
14. Business Communication
15. Consumer Affairs
16. Mutual Fund Operations
17. International Business

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the revision in Curriculum and Syllabi for B.Com.-Corporate Secretaryship Programme under Full-Time (Regulation 2023).

**FHSM  
B.Com.-CA  
42.5.10**

**TO CONSIDER AND APPROVE** the revision in Curriculum and Syllabi for B.Com Computer Applications Programme under Full-Time Regulation (2021 Revision- II).

## **B.COM (Computer Applications)**

**FHSM  
B.Com.-CA  
42.5.10**

**TO CONSIDER AND APPROVE the revision in Curriculum and Syllabi for B.Com Computer Applications Programme under Full-Time Regulation (2021 Revision- II).**

### **Notes:**

The Board of Studies of Department of Commerce recommended the revision in the curriculum and Syllabus for B.Com Computer Applications Programme under Full-Time Regulation 2021, (Revision II) for the students admitted during the academic year 2023-24.

**The new courses offered by the department in Regulation 2021 Revision-II for B.Com Computer Applications.**

- 1. Tamil III / Foundational Tamil III**
- 2. Tamil IV / Foundational Tamil IV**
- 3. English III**
- 4. English IV**

**The matter is placed before the Academic Council for approval.**

### **Resolution**

**RESOLVED TO APPROVE the revision in Curriculum and Syllabi for B.Com Computer Applications Programme under Full-Time Regulation (2021 Revision- II).**

## B.Com –Professional Accounting

### DEPARTMENT OF COMMERCE

**FHSM** TO CONSIDER AND APPROVE the Curriculum and Syllabi for B.Com  
**B.Com.-PA** Professional Accounting under Full-Time (Regulation 2023).  
**42.5.7**

#### Notes:

The Board of Studies of Department of Commerce recommended the Curriculum and Syllabi for I to VI Semester B.Com Professional Accounting under Full-Time (Regulation 2023).

The Curriculum focuses the courses of 96% with either employability / entrepreneurship / or skill development.

The new courses offered by the department in Regulation 2023 for B.Com Professional Accounting.

Sl.No	Course Name
1.	Financial Accounting
2.	Spread Sheet Accounting
3.	Business Organisation and Management
4.	Performance Management
5.	Advanced Corporate Accounting
6.	Financial Management and Data Analytics
7.	Financial Reporting
8.	Macro Economics
9.	Business Mathematics and Statistics
10.	Income Tax Theory Law and Practice
11.	Banking Theory Law and Practice
12.	Business Economics
13.	Advanced Financial Accounting
14.	Corporate Accounting
15.	Legal Aspects In Business
16.	Goods and Service Tax and Customs Law
17.	Cost Accounting
18.	Computerised Accounting – Tally Practical
19.	Auditing and Assurance
20.	Innovative Entrepreneurial Development
21.	Management Accounting
22.	Communication and Documentation In Business
23.	Digital Marketing
24.	Human Resource Management
25.	E-Commerce
26.	Corporate Law and Secretarial Practice
27.	Financial Markets and Institutions
28.	International Business
29.	Investment Management
30.	Business Environment

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31.	Principles of Insurance
32.	Financial Technology and Analytics
33.	Micro Finance
34.	Corporate Governance

The matter is placed before the Academic Council for approval.

#### Resolution

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Com Professional Accounting under Full Time (Regulation 2023).

## 11. Department of Mathematics

### B.Sc Mathematics

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India  
Phone: +91 - 4362 - 264600 Fax: +91- 4362 - 264660  
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#### MINUTES OF FORTY SECOND MEETING OF THE ACADEMIC COUNCIL

Date : 08.07.2023

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Forty Second Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 08.07.2023 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.Aarathi 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
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13.	Dr.V.Hamsadhwani	Member
14.	Dr.R.Jayanthi	Member
15.	Dr.N.Jayanthi	Member
16.	Dr.J.Jeyachidra	Member
17.	Dr.D.Jeyasimman	Member
18.	Mr.I.Karthic Subramaniayan	Member
19.	Dr.R.Kathiravan	Member

FHSM  
B.Sc.-Maths  
42.5.4

TO CONSIDER AND APPROVE the Curriculum and Syllabi for I to VI Semester for B.Sc.-Mathematics programme under Regulation 2023 and Proposed Value-Added Courses.

**Notes:**

The Board of Studies of Department of Mathematics recommended the Curriculum and Syllabi for I to VI Semester for B.Sc.-Mathematics programme under full time (Regulation 2023) for the candidates admitted from 2023 -24 onwards.

Curriculum and Syllabus is with 35% revision from previous syllabus. The syllabus revision included feedback on curricular aspects from students, teachers, Industrialist, employers and alumni. The syllabus has courses having focus on employability/entrepreneurship / skill development.

The new courses offered by the department are

S.No	Name of the course
1.	Vedic Mathematics – I
2.	Vedic Mathematics – II
3.	Introduction to Machine Learning
4.	Numerical Methods with MATLAB
5.	Statistics for Data Science - I
6.	Statistics for Data Science –I Lab using R-Programming
7.	Statistics for Data Science - II
8.	Statistics for Data Science – II Lab using R-Programming
9.	Object Oriented Programming with C++
10.	Foundation Course
11.	Mathematics for Finance

Department of Mathematics

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



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BOARD OF STUDIES MEETING  
For B.Sc. and M.Sc Mathematics PROGRAMME

Minutes of Meeting

Date: 11.06.2022

Time: 2.00 PM

Venue: Mathematics Department

The Board of Studies meeting was held on 11.06.2022 for revision of Curriculum and Syllabi of B.Sc Mathematics and M.Sc Mathematics programme of Regulation 2022.

Members present:

Members of the BoS

Sl.No.	Name	Designation	Representing	Signature
1.	Dr.S.Bivaneswari	Associate Professor & Head Department of Mathematics Periyar Maniammai Institute of Science and Technology Vallam, Thanjavur	Chair person	 11/06/22
2.	Dr.A.Tamilselvan	Prof. & Head Department of Mathematics Bharathidasan University Tiruchirappalli 620 024	Member (Academic Expert)	 11/06/22
3.	Dr.A.George	Dean Academic Professor, Department of Mathematics, Periyar Maniammai Institute of Science and Technology Vallam, Thanjavur	Member	
4.	Dr.P.Vijayalakshmi	Dean(i/c) FHSM Asso.Professor Department of Mathematics Periyar Maniammai Institute of Science and Technology Vallam, Thanjavur	Member	
5.	Dr.C.Vimala	Asso.Professor Department of Mathematics Periyar Maniammai Institute of Science and Technology	Member	 11/6/22

30	V	Numerical Methods	-	-	-
31	V	Number Theory	-	70%	-
32	V	Graph Theory	-	40%	-
33	V	Mathematical Modeling	Added as New Course	100%	Feedback received from stakeholders
34	V	Fundamentals of Data Science & R Programming	Added as New Course	100%	Feedback received from stakeholders
35	V	Quantitative Aptitude – IV	Added as New Course	100%	Feedback received from stakeholders
36	VI	Complex Analysis	-	-	-
37	VI	Operations Research	-	20%	-
38	VI	Fuzzy sets and its applications	Added as New Course	100%	Feedback received from stakeholders
39	VI	Recent Trends in Industrial Mathematics	Inter disciplinary Added as New Course	100%	Feedback received from stakeholders
40	VI	Astronomy	-	20%	-
41	VI	Stochastic Processes	-	40%	-
42	VI	Project	-	-	-
43	VI	Cyber Security	cutting edge	100%	University Mandatory Course

• **LIST OF NEWLY INTRODUCED COURSES IN REGULATION 2022**  
**B.Sc Mathematics (39.39%)**

S.No	Name of the course
1.	Classical algebra
2.	Quantitative Aptitude – I
3.	Mathematical Statistics Practical – 1
4.	Quantitative Aptitude – II
5.	Abstract Algebra
6.	Mathematical Statistics – 2
7.	Mathematical Statistics Practical – 2
8.	Quantitative Aptitude – III
9.	Mathematical Modeling
10.	Fundamentals of Data Science & R Programming
11.	Quantitative Aptitude – IV
12.	Fuzzy sets and its applications
13.	Recent Trends in Industrial Mathematics



## M.Sc Mathematics

### Resolution

RESOLVED TO APPROVE the Curriculum and Syllabi for I to VI Semester for B.Sc.-Chemistry programme under Regulation 2023 and Proposed Value-Added Courses.

#### DEPARTMENT OF MATHEMATICS

**FHSM**  
**M.Sc.-Maths**  
**42.5.3**

TO CONSIDER AND APPROVE the Curriculum and Syllabi for I to IV Semester for M.Sc.-Mathematics programme under Regulation 2023 and Proposed Value-Added Courses.

#### Notes:

The Board of Studies of Department of Mathematics recommended the Curriculum and Syllabi for I to IV Semester for M.Sc.-Mathematics programme under full time (Regulation 2023) for the candidates admitted from 2023-24 onwards. Curriculum and Syllabus is with 39% revision from previous syllabus. The syllabus revision included feedback on curricular aspects from students, teachers, Industrialist, employers and alumni. The syllabus has courses having focus on employability / entrepreneurship / skill development.

The new courses offered by the department are

Sl.No.	Course Name
1	Linear Algebra
2	Machine Learning and AI
3	Advanced Algebra
4	Data Science using R programming
5	Python for Mathematics
6	Numerical Methods Practical using MAT LAB
7	Data Analytics Practical with Python
8	Research Methodology
9	Measure theory and Integration
10	Core Industry Module: Mathematics of Finance and Insurance
11	Probability Theory
12	Design and Analysis of Algorithms

#### Proposed Value-Added Courses

M.Sc. Mathematics	Courses	Semester	Batch
I Year	Office Automation and ICT Tools	II	Batch 2023-25
I Year	Mathematical Documentation Using Latex-Practical	II	Batch 2023-25
II Year	Communicative Skill and	III	Batch 2023-25

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	Personality Development		
II Year	Python Programming	III	Batch 2022-24
II Year	Communicative Skill and Personality Development/ Public speaking skills/Interview skills	III	Batch 2022-24

The matter is placed before the Academic Council for Approval.

### Resolution

RESOLVED TO APPROVE the Curriculum and Syllabi for I to IV Semester for M.Sc.-Mathematics programme under Regulation 2023 and Proposed Value-Added Courses.

## 12. Department of Management Studies

### BBA Logistics and Supply Chain Management

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#### MINUTES OF FORTIETH MEETING OF THE ACADEMIC COUNCIL

Date : 27.08.2022

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Fortieth Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 27.08.2022 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.P.Aruna	Member
5.	Dr.S.Asokan	Member
6.	Dr.S.Buvaneswari	Member
7.	Dr.A.George	Member
8.	Dr.S.Gomathi	Member
9.	Dr.P.Guru	Member
10.	Dr.V.Hamsadhwani	Member
11.	Dr.R.Jayanthi	Member
12.	Dr.N.Jayanthi	Member
13.	Dr.J.Jeyachidra	Member
14.	Mr.I.Karthic Subramaniyan	Member
15.	Dr.T.Kavitha	Member
16.	Dr.K.Kesavan	Member
17.	Dr.R.Krishnamurthi	Member
18.	Dr.S.P.Kulanthaivel Babu	Member

FHSM  
BBA  
(LSCM)  
40.5.2

**TO CONSIDER AND APPROVE** the curriculum and Syllabi of I to VI Semester of the new programme BBA-(Logistics and Supply Chain Management) under Full-Time (Regulation 2022).

**Notes:**

The Board of Studies of the Department of Management Studies recommended the Curriculum and Syllabi from I to VI Semester for BBA-(Logistics and Supply Chain Management) programme under Full-Time (Regulation 2022).

In the 39<sup>th</sup> Academic Council Meeting, the new course considered was BBA-(Logistics Management).

But, as per the recommendations of the Board of Studies the new course BBA- (Logistics and Supply Chain Management), is offered.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi of I to VI Semester of the new programme BBA-(Logistics and Supply Chain Management) under Full-Time (Regulation 2022).

## **BBA Hospitality Management**

FHSM  
BBA (HM)  
40.5.3

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi of I to VI Semester of BBA-(Hospitality Management) under Full-Time (Regulation 2022).

**Notes:**

The Board of Studies of the Department of Management Studies recommended the Curriculum and Syllabi from I to VI Semester for BBA-(Hospitality Management) programme under Full-Time (Regulation 2022).

In the 39<sup>th</sup> Academic Council Meeting, the new course considered was BBA-(Tourism and Travel Management)

29

But, as per the recommendations of the Board of Studies the new course BBA-(Hospitality Management) is offered.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi of I to VI Semester of BBA-(Hospitality Management) under Full-Time (Regulation 2022).

## BBA Digital Marketing

**FHSM  
BBA (DM)  
42.5.16**

**TO CONSIDER AND APPROVE the Curriculum and Syllabi of I to VI Semesters of BBA (Digital Marketing) Full-Time programme Regulation 2023.**

**Notes:**

The Department Advisory Committee members met on 20.05.2023 to review the Curriculum and Syllabi of BBA (Digital Marketing) Full-Time programme (Regulation 2023). Further, the Board of Studies of Department of Management studies has met on 12.06.2023 the member of the Board discussed and finalized the Curriculum and Syllabi from I to VI Semesters of BBA (Digital Marketing) Full-Time programme Regulation 2023 for students admitted from the Academic Year 2023-24.

There is a 100% change in curriculum and syllabus since this is a new programme offered from 2023-24 academic year onwards. The syllabus has 71% courses having focus on employability / entrepreneurship / skill development.

The value added courses offered for BBA (DM) students are as follows:

Sl.No.	Course Name	Semester
1.	Introduction to MS Office Suite	IV semester
2.	Six Sigma	V semester
3.	Selling Skills	VI semester

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE the Curriculum and Syllabi of I to VI Semesters of BBA (Digital Marketing) Full-Time programme Regulation 2023.**

## 13. Department of Physics

### B.Sc Physics

Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India  
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Email: registrar@pmu.edu Web: www.pmu.edu



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

Date : 08.07.2023

Venue: Richard Dawkins Hall

Time : 10.30 A.M

Place : PMIST, Vallam – Thanjavur

The Forty Second Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 08.07.2023 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.P.Balakumar	Member
8.	Dr.S.Buvaneswari	Member
9.	Dr.P.Guru	Member
10.	Dr.K.Geetha	Member
11.	Dr.A.George	Member
12.	Dr.A.Manohar (Represented for Dr.S.Gomathi)	Member
13.	Dr.V.Hamsadhwani	Member
14.	Dr.R.Jayanthi	Member
15.	Dr.N.Jayanthi	Member
16.	Dr.J.Jeyachidra	Member
17.	Dr.D.Jeyasimman	Member
18.	Mr.I.Karthic Subramaniayan	Member
19.	Dr.R.Kathiravan	Member

**FHSM  
B.Sc.-  
Physics  
42.5.6**

**TO CONSIDER AND APPROVE the Curriculum and Syllabi for I to VI Semester for B.Sc. Physics – Full-Time regular programme under Regulation 2023. For B.Sc. Mathematics & B.Sc. Chemistry programmes, Allied Physics I & II to be offered for the students admitted from the academic year 2023 – 24 onwards.**

**Notes:**

The Board of Studies of Department of Physics recommended the Curriculum and Syllabi for I to VI Semester for B.Sc. Physics full time regular programme (Regulation 2023) for the candidates admitted from 2023-24 onwards. For B.Sc. Mathematics & B.Sc. Chemistry programmes, Allied Physics I & II to be offered for the students admitted from the academic year 2023 – 24 onwards.

Curriculum and Syllabus is revised with 95% from the previous syllabus. The syllabus revision included feedback on curricular aspects from stake holders.

The new courses offered by the department are:

Newly introduced courses in B. Sc. Physics programme (Regulation 2023 )

Sl. No.	Course Code	Course Name	Semester
1	XPH106	Physics for Everyday Life	I
2	XPH107	Foundation course	I
3	XPH206	Home Electrical Installation	II
4	XPH207	Numerical Methods and C Programming	II
5	XGT301	Tamil – III	II
6	XGE302	English – III	III
7	XPH303	Mechanics	III
8	XGT401	Tamil – IV	IV
9	XGE402	English – IV	IV
10	XPH403	Optics and Laser Physics	IV
11	XPH407	Energy Physics	IV
12	XPH408	Nano Science and Technology	IV
13	XPH407	Energy Physics	IV
14	XPH501	Electricity, Magnetism and Electromagnetism	V
15	XPH502	Atomic and Nuclear Physics	V
16	XPH503	Analog and Communication Electronics	V
17	XPH504A	Classical and Statistical Mechanics	V
18	XPH504B	Material Science	V
19	XPH505A	Bio Physics	V
20	XPH505B	Condensed Mater Physics	V
21	XPH504C	Opto Electronics	V
22	XPH601	Quantum Mechanics and Relativity	VI
23	XPH603	Digital Electronics and Microprocessor 8085	VI
24	XPH604A	Elements of Modern Physics	VI
25	XPH607	Communication Physics	VI

Value-Added Courses

1. Python
2. Research Methodology

The matter is placed before the Academic Council for Approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabi for I to VI Semester for B.Sc. Physics – Full time regular programme under Regulation 2023. For B.Sc. Mathematics & B.Sc. Chemistry programmes, Allied Physics I & II to be offered for the students admitted from the academic year 2023–24 onwards.

## M.Sc Physics

### DEPARTMENT OF PHYSICS

**FHSM** TO CONSIDER AND APPROVE the Curriculum and Syllabi for I to IV  
**M.Sc.-** Semester for M.Sc. Physics Full-Time regular programme under Regulation  
**Physics** 2023 for the candidate admitted from 2023 – 24 onwards.  
**42.5.5**

#### Notes:

The Board of Studies of the Department of Physics recommended the Curriculum and Syllabi for I to IV Semester for M.Sc. Physics programme under Full-Time (Regulation 2023) for the candidates admitted from 2023 –24 onwards with 30% from previous syllabus.

The syllabus revision included feedback of stake holders.

The new courses offered by the department are

S. No.	Course Code	Course title	Semester
1.	YPH104B	Aerospace Dynamics	I
2.	YPH104C	Physics in Linear and Nonlinear circuits	I
3.	YRM001	Research Methodology	II
4.	YPH202	Quantum Mechanics	II
5.	YPH304A	Data Science and Physicist	III
6.	YPH304B	Physics in IOT	III
7.	YPH304C	Artificial Intelligence and Machine Learning	III

The matter is placed before the Academic Council for Approval.

#### Resolution

RESOLVED TO APPROVE the Curriculum and Syllabi for I to IV Semester for M.Sc. Physics Full-Time regular programme under Regulation 2023 for the candidate admitted from 2023 – 24 onwards.



## 14. Department of Political Science

### B.A. Political Science

#### DEPARTMENT OF POLITICAL SCIENCE

**FHSM** TO CONSIDER AND APPROVE the Curriculum and Syllabi for B.A. Political  
**B.A.-PS** Science - Semester I to VI (Regulation 2023) & the Value Added Courses  
**42.5.19** offered from the Academic Year 2023-24 onwards.

50

#### Notes:

The Board of Studies of the Department of Political Science recommended the Curriculum and Syllabi for B.A. Political Science offered from the academic year 2023-24 (Regulation 2023) & the Value Added Courses offered for BA.-Political Science and MA.-Political Science from the Academic Year 2023-24 onwards

The following courses and proposed Value added courses are given below:

Sl.No	Title of the Paper
1.	Principles of Politics and political Theory
2.	Comparative Government and Politics
3.	Western Political Thought
4.	International Relation
5.	Indian Political Thought
6.	Indian Administration
7.	International Organizations
8.	India's foreign Policy
9.	Indian Government and Politics
10.	Contemporary World Politics
11.	Tamil Nadu Government and Politics
12.	Fundamentals of Public Law
13.	Principles of Geo Politics
14.	Political Ideologies

The proposed Value added courses are:

1.	Gender Issues and Development
2.	Development Administration concept and principles
3.	Contemporary Political Analysis

The matter is placed before the Academic Council for approval.

#### Resolution

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.A. Political Science - Semester I to VI (Regulation 2023) & the Value Added Courses offered for BA.-Political Science and MA.-Political Science from the Academic Year 2023-24 onwards.

**FHSM  
B.A.-PS  
42.5.20**

**TO CONSIDER AND APPROVE** the following AICTE mandatory courses offered by the Department of Political Science for B.Tech. and M.Tech Programmes.

**Notes:**

The Board of Studies of the Department of Political Science approved the revision in Syllabus for Constitution of India (XUM 106) offered to all B. Tech during I Semester and renaming the course title as Introduction to Constitution of India instead of Constitution of India offered for M. Tech during II Semester

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the following AICTE mandatory courses offered by the Department of Political Science for B.Tech and M.Tech Programmes.

## 15. Department of Social Work Master of Social Work

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



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

**Date : 08.07.2023**

**Venue: Richard Dawkins Hall**

**Time : 10.30 A.M**

**Place : PMIST, Vallam – Thanjavur**

The Forty Second Meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 08.07.2023 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.Aarathi 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.P.Balakumar	Member
8.	Dr.S.Buvaneswari	Member
9.	Dr.P.Guru	Member
10.	Dr.K.Geetha	Member
11.	Dr.A.George	Member
12.	Dr.A.Manohar (Represented for Dr.S.Gomathi)	Member
13.	Dr.V.Hamsadhwani	Member
14.	Dr.R.Jayanthi	Member
15.	Dr.N.Jayanthi	Member
16.	Dr.J.Jeyachidra	Member
17.	Dr.D.Jeyasimman	Member
18.	Mr.I.Karthic Subramaniayan	Member
19.	Dr.R.Kathiravan	Member

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**DEPARTMENT OF SOCIAL WORK**

**FHSM**  
**MSW**  
**42.5.17**

TO CONSIDER AND APPROVE the Curriculum and Syllabi for Master of Social Work (2 Years) Programme under Full-Time (Regulation 2023).

**Notes:**

The Board of Studies of Department of Social Work recommended the curriculum and Syllabi for Master of Social Work Programme under Full-Time (Regulation 2023) for the students admitted during the academic year 2023-24.

The Curriculum and Syllabus has 38% revision from the previous syllabus.

The new courses and Value added Course (Regulation 2023) to be offered by the department are:

**New Courses:**

1. Society and Human Behavior.
2. Rural Community Development.
3. Tribal Development in India.
4. Mental Health and Psychiatric Disorders.
5. Clinical Social Work.
6. Urban Community Development.
7. NGO Management.
8. Strategic Human Resource Management.
9. Therapeutic Intervention in Social Work.
10. Society and Human Behavior.
11. Sociological and Psychological Foundations for Social Work.
12. Entrepreneurship Development.
13. Disaster Management.
14. Green Social Work.
15. Corporate Social Responsibility.
16. Counselling in Social Work.
17. Public Health in India.
18. Foundation of Artificial Intelligence and Machine Learning for Social Work.
19. Application of Data Analytics in Social Work.
20. Rural / Tribal Camp.
21. Study Tour.
22. Communication for Social Work.
23. Life Skills for Social Work.
24. Employability Skills for Social Workers.

**Value Added Courses:**

1. Empowerment of persons living with Disability.
2. Social Marketing and Entrepreneurship Development.

The matter is placed before the Academic Council for approval.