PERIYAR MANIAMMAI
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
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<u>MINUTES OF THIRTY EIGHTH MEETING OF THE ACADEMIC COUNCIL</u>

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

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

48.	Dr.J.Thiagarajan	Member
49.	Dr.K.Thirumaran	External Member
50.	Dr.D.Umamaheswari	Member
51.	Dr.P.Vijayalakshmi	Member

ADDRESS BY THE VICE – CHANCELLOR

Prof.S.Velusami, Hon'ble Vice-Chancellor & Chairperson welcomed all the Academic Council External & Internal members. The Chairperson presented the academic activities organized and conducted by various departments and centers.

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

VC 38.1.1 **TO CONSIDER AND RATIFY** the course work subjects offered for the Research scholars from the academic year 2020 - 2021 under Regulation 2020.

Notes:

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

Sl. No	Department	Sub. Code	Subject Title	Credit			
				L	T	P	C
1	ECE	REC043	Radar Signal Processing	3	0	0	3
2	ECE	REC044	RF Photonics	3	0	0	3
3	English	REG022	An Introduction to Science Fiction	3	0	0	3
4	English	REG023	Literary Theories & Modern Approaches	3	0	0	3

The matter is placed before the Academic Council for ratification.

Resolution

RESOLVED TO RATIFY the course work subjects offered for the Research scholars from the academic year 2020-2021 (Regulation 2020).

VC 38.1.2 **TO CONSIDER AND RATIFY** the revisions in Curriculum and Syllabus for the Existing Lab courses (Regulation 2018 - Rev 1).

Based on the recommendations of Board of Studies of the Department of Mechanical Engineering, the following changes are incorporated in Curriculum and Syllabus for the Existing Lab courses (Regulation 2018 - Rev 1).

- The Three Laboratory courses with 2 credits each offered in V, VI and VII Semesters are split into six Laboratory courses with 1 credit each and offered from III to VII Semesters. The laboratory courses were earlier designed as given below. However when implemented students faced some difficulties in doing the laboratories together. Therefore, based on the feedback from students and teachers, it is decided to split them into six courses.

Existing Lab courses (Regulation 2018 - Rev 1)

Course Code	Category	Name of the Course	L	T	P	C
XME507	Professional Core courses	Mechanical Engineering Laboratory I (Thermal)	0	0	2	2
XME606	Professional Core courses	Mechanical Engineering Laboratory II (Design)	0	0	2	2
XME707	Professional Core courses	Mechanical Engineering Laboratory III (Manufacturing)	0	0	2	2

Revised Lab courses (Regulation 2018 - Rev 2)

Course Code	Category	Name of the Course	L	T	P	C
XME307	Professional Core courses	Mechanical Engineering Laboratory I (Manufacturing Technology)	0	0	1	1
XME407	Professional Core courses	Mechanical Engineering Laboratory II (Thermal Engineering and Fluid Mechanics)	0	0	1	1
XME507	Professional Core courses	Mechanical Engineering Laboratory III (Strength of Materials)	0	0	1	1
XME508	Professional Core courses	Mechanical Engineering Laboratory IV (Kinematics and Theory of Machines)	0	0	1	1
XME606	Professional Core courses	Mechanical Engineering Laboratory V (Heat Transfer)	0	0	1	1
XME707	Professional Core courses	Mechanical Engineering Laboratory VI (Special Machines)	0	0	1	1

Changes in course codes (Regulation 2018 - Rev 2)

Course Code		Name of the Course	L	T	P	C
Existing	New					
XME307	XME308	In-plant Training – I (15 days)	-	-	-	0
XME508	XME509	In-plant Training – II (21 days)	-	-	-	0

The matter is placed before the Academic Council for ratification.

Resolution

RESOLVED TO RATIFY the revisions in Curriculum and Syllabus for the Existing Lab courses (Regulations 2018 - Rev 1) and changes in course codes (Regulations 2018 - Rev 2).

2. BUSINESS BROUGHT FORWARD BY DEAN (ACADEMIC)

Dean Academic 38.2.1

TO CONSIDER AND APPROVE submission of one page abstract both in English and Tamil by all Ph.D. scholars at the time of Thesis submission with effect from 01.09.2021.

Notes:

As per the Government of Tamil Nadu guidelines and the regulations of Bharathdiasan University & Madras University, submission of one page abstract both in English and Tamil by all Ph.D. scholars at the time of Thesis submission is incorporated in the research guidelines of PMIST with effect from 01.09.2021. This will enable the public to understand the outcome of the thesis.

The matter is placed before the Academic Council for approval.

Resolution

External Member Dr. M. A. Sikandar suggested to mention number of words in the abstract (ex. 200 or 500 words) in the guidelines to be followed.

RESOLVED TO APPROVE the submission of an abstract within 500 words each in English and Tamil by all Ph.D. scholars at the time of Thesis submission with effect from 01.09.2021.

Dean Academic 38.2.2	**TO CONSIDER AND RECORD** the procedures followed for admitting candidates into various programmes offered during the academic year 2021-22.

Notes:

The procedure for admitting candidates into various programmes like Engineering, Architecture, Arts, Sciences, Humanities, Management and Education programmes has been framed based on the guidelines given in the AICTE handbook of approval process 2021-22, CoA, UGC and NCTE for the academic year 2021-2022.

The matter is placed before the Academic Council for record.

Resolution

RESOLVED TO TAKE ON RECORD the procedures followed for admitting candidates into various programmes offered during the academic year 2021-22.

Dean Academic 38.2.3	**TO INFORM AND RECORD** the various scholarship schemes provided for students admitted during the Academic year 2021-22.

Notes:

Various scholarship schemes have been introduced for the students admitted during the Academic year 2021-22.

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

Dr.K.Thirumaran, External Member enquired about the criteria followed for providing scholarships for students.

Dr. P.K. Srividhya, Dean Academic and Registrar i/c replied that the scholarships are provided based on merit.

Dr.V.K.Stalin, External member wanted to know who offers the Scholarships.

Dr. P.K. Srividhya, Dean Academic and Registrar i/c replied that all the scholarships are offered by the Management. Also informed that the number of beneficiaries will be disclosed after the admission process gets over and the same will be submitted in the forthcoming Academic Council Meeting.

Resolution

RESOLVED TO TAKE ON RECORD the various scholarship schemes provided for students admitted during the Academic year 2021-22.

Dean Academic 38.2.4

TO CONSIDER AND APPROVE the changes in proposed intake approved in 37th ACM to various programmes.

Notes:

The changes with respect to 37th ACM regarding the proposed intake to various programmes are given below:

I. **B.Tech. Lateral Programmes (Lapsed + 10% of sanctioned Intake)**

(for the academic year 2021-22)

Sl. No.	Programme	Duration	Branch Code	Intake
1	B.Tech.-Aerospace Engineering	3 Years	066	61
2	B.Tech.-Civil Engineering	3 Years	061	52
3	B.Tech.-Computer Science and Engineering	3 Years	063	19
4	B.Tech.-Electronics and Communication Engineering	3 Years	062	52
5	B.Tech.-Electrical and Electronics Engineering	3 Years	064	60
6	B.Tech.-Mechanical Engineering	3 Years	065	52
	Total			**296**

II. **UG Programmes (From the academic year 2021-22 onwards)**

Sl. No.	Programme	Duration	Branch Code	Intake
1	B.Com.-Computer Applications	3 Years	171	60
2	**B.Sc.-Artificial Intelligence ***	3 Years		30
	Total			**90**

* **Subject to approval**

III. PG Programme (From the academic year 2021-22 onwards)

Sl. No.	Programme	Duration	Branch Code	Intake
1	M.Sc.-Computer Science	2 Years	365	20
	Total			**20**

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the changes in proposed intake approved in 37th ACM to various programmes.

Dean Academic 38.2.5	**TO CONSIDER AND APPROVE** the guidelines for conducting written examination for Persons with Benchmark Disabilities issued by AICTE with effect from the academic year 2021-22.

Notes:

AICTE has issued a circular F. No. AICTE/P&AP/Misc/202l, dated 24.08.2021 with a subject stating "Guidelines for conducting written examination for Persons with Benchmark Disabilities". Accordingly, the word "extra time or additional time" that is being currently used has been rephrased as "Compensatory time". The compensatory time should not be less than 20 minutes per hour of examination for persons who are allowed to use scribe / reader / lab assistant. The above guidelines will be added to the present provisions for using Scribe for Persons with Benchmark Disabilities approved in the Twentieth Meeting of the Academic Council held on 13.12.2014 vide VC 20.19.

The AICTE guidelines is given as Annexure

This matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the guidelines for conducting written examination for Persons with Benchmark Disabilities issued by AICTE with effect from the academic year 2021-22.

Dean Academic 38.2.6

TO CONSIDER AND APPROVE the introduction of NCC as general elective courses / open elective courses for all undergraduate students who have enrolled in NCC from the academic year 2021-22 onwards.

Notes:

University Grants Commission vide letter D.O.No. 1-8 / 2019 (CPP-II) letter has directed Higher Education Institutes to introduce NCC activities as general electives for the students who have enrolled in NCC.

The syllabus has Theory, Practical and Camp components with 24 credits. The Syllabus provided by Director General of NCC is divided in to seven courses; among them five courses with the combination of theory and practical components provided with 3 credits each, remaining two courses, one course will be having camp components of 5 credits and other course will be having camp component of 4 credits. The three credit courses can be used by NCC cadets as the generic / open elective offered in his/ her programme curriculum. The NCC courses will be offered from the first year. The generic / open electives will be offered from second / third year of the program and NCC cadet can use his / her completed NCC course for the open / generic electives later. The credits earned by NCC cadets in excess can be accommodated in his / her programme curriculum and will be reflected in a separate row in his/ her consolidated mark sheet as additional credits.

The courses and syllabus are given in the Annexure.

This matter is placed before the Academic Council for approval.

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.

Dr.S.Asokan, Controller of Examinations suggested that the fraction mentioned in percentage (%) of syllabus revision and courses having employability/entrepreneurship/skill development may be rounded off.

Resolution

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

DEPARTMENT OF BIOTECHNOLOGY

FET Biotech 38.3.2

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

Notes:

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

Modifications in the Department Vision and Mission is carried out based on National Biotechnology Strategy (2021-2025) released by the Department of Biotechnology, Government of India. The modified Vision and Mission are given in Annexure.

Curriculum and Syllabus is in line with AICTE guidelines 2020 with 33% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus has 87% 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, 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. Biology for Engineers
2. Universal Human Values 2: Understanding Harmony
3. Basic Transport Processes and Control System
4. Disaster Management
5. Basic Transport Processes Laboratory
6. Immunology Laboratory
7. Bioanalytical Tools
8. Bioanalytical Tools Laboratory
9. Bioreaction Engineering
10. Process Biotechnology
11. Microbial Biotechnology
12. Agricultural Biotechnology
13. Design of Bioprocess Equipments
14. Mass Transfer Fundamentals
15. Fermentation Technology
16. Introduction to Quantum Biology, AI and Data Science
17. Enzyme Engineering
18. Biowaste and Biproducts Utilization
19. Training on Labscale Fermentor

New Value Added Courses

1. R Program and R Studio
2. Python
3. Training on Hospitals' Clinical Research Lab
4. Downstream Manufacturing

Open Electives

1. Biosafety Management
2. Digital Health

The matter is placed before the Academic Council for approval.

Resolution

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

DEPARTMENT OF CIVIL ENGINEERING

FET Civil 38.3.3

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

Notes:

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

Curriculum and Syllabus is in line with AICTE guidelines 2020 with 44% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus has 94% courses having focus on employability / entrepreneurship /skill development. The complete Curriculum and Syllabus with details are given in the Board of Studies minutes document attached as Annexure. The new courses of 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. Electrical and Electronics Engineering System Laboratory
4. Transforms and Partial Differential Equations
5. Universal Human Values 2: Understanding Harmony
6. Building Materials and Construction
7. Strength of Materials Lab
8. Probability and Statistics
9. Disaster Management
10. Mechanics of Solids-II
11. Transportation Engineering
12. Geotechnical Engineering - II
13. Concrete & Highway Lab
14. Professional Skills
15. Design of Steel Structures

16. Finite Element Method
17. Computer Aided Design & Drafting
18. Smart Structures and Materials
19. GIS for Civil Engineering
20. Water Resource Engineering
21. Tall Structures
22. Prestressed and Prefabricated Structures

New Value added courses

1. Revit Architecture
2. 5D BIM
3. IOT in Civil Engineering
4. Drone Surveying

Open elective courses

1. Non Destructive Testing
2. Metro Systems and Engineering

The matter is placed before the Academic Council for approval.

Resolution

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

FET Civil 38.3.4

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

Notes:

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

Curriculum and Syllabus is in line with AICTE guidelines 2020 with 54% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus has 90% courses having focus on employability/ entrepreneurship/ skill development. The complete Curriculum and Syllabus

with details are given in the Board of Studies minutes document attached as Annexure. The new courses of Regulations 2021 are as follows:

New courses:

1. Strength of Materials Lab
2. Probability and Statistics
3. Disaster Management
4. Mechanics of Solids-II
5. Transportation Engineering
6. Geotechnical Engineering - II
7. Concrete & Highway Lab
8. Design of Steel Structures
9. Computer Aided Design & Drafting
10. Smart Structures and Materials
11. GIS for Civil Engineering
12. Water Resource Engineering
13. Tall Structures
14. Prestressed and Prefabricated Structures

The matter is placed before the Academic Council for approval.

Dr.K.Thirumaran, External Member enquired about the availability of lab infrastructure required for courses like Concrete and Highway Lab.

Dr.S.Senthamil Kumar, Dean FET informed that lab infrastructure is available for all the courses including Concrete and Highway Lab.

Dr.V.K.Stalin, External Member enquired about the differences between Full time and Part time syllabus in the offered course.

Dr.S.Senthamil Kumar, Dean FET informed that the core courses almost remain same whereas elective courses differ.

Dr.K.Thirumaran, External Member enquired about the total credits for Full-Time and Part-Time programmes.

Dr. P.K.Srividhya, Dean Academic and Registrar i/c replied that the Curriculum is designed with 163 credits as per the guidelines of AICTE for Full-time and with 86 credits for Part-Time programme.

Resolution

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

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FET ECE 38.3.5

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

Notes:

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

The Curriculum and Syllabus for B.Tech. Electronics and Communication Engineering programme has been revised following the guidelines of AICTE. Feedbacks were obtained from stake holders (students, teachers, alumni and employer). Based on the feedback the Curriculum and Syllabus has been modified and the revision is 24%. The board of studies has also recommended the new value added courses to be offered by the department. The new courses and new value added courses introduced are as follows:

New Courses

1. Fundamentals of Computers
2. Speech Communication
3. Technical Communication
4. Universal Human Values 2: Understanding Harmony
5. Electromagnetic Theory and Transmission Lines
6. Disaster Management
7. Professional Skills
8. Signals and Systems Lab
9. Modern Control Systems
10. Modern Control Systems Lab

11. Computer Organization and Architecture
12. Introduction to Artificial Intelligence
13. Radio Frequency Electronics
14. Introduction to Data Structure
15. Applied Machine Learning
16. Introduction to Operating Systems
17. Artificial Intelligence for Robotics
18. Fundamentals of Kotlin Programming
19. Fundamentals of 5G Technology

New Value added courses

1. Programming with C & C++
2. PCB Design
3. Python Programming
4. Robotics and Automation
5. Optical Communication and Networking

The matter is placed before the Academic Council for approval.

Resolution

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

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FET EEE 38.3.6 **TO CONSIDER AND APPROVE** the Curriculum and Syllabus for B.Tech.- Electrical and Electronics Engineering under Full-Time (Regulation 2021).

Notes:

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

The Curriculum and Syllabus for B.Tech.- Electrical and Electronics Engineering programme has been revised following the guidelines of AICTE. Feedbacks were received from the stake holders (students, teachers, alumni and employer). Based on the feedbacks, the Curriculum and Syllabus has

been modified with 28% revision. The Board of Studies has also recommended the new courses, new value added courses and new open elective courses to be offered by the department. They are listed below:

New Courses

1. Engineering Graphics and Design
2. Speech Communication
3. Technical Communication
4. Engineering Mechanics
5. Transforms and Partial Differential Equations
6. Digital Logic Circuits
7. Universal Human Values 2: Understanding Harmony
8. Power System Analysis
9. English Language Skills
10. Power Systems Operation and Control
11. Environmental Studies
12. Special Electrical Machines
13. Electrical Power Quality
14. Sustainable Energy Utilization
15. Solid State Drives
16. High Voltage Engineering
17. Smart Grids
18. Pollution Performance of Power Apparatus and Systems
19. Bio-Medical Instrumentation
20. Solar and Energy Storage System
21. Electric Vehicles and Power Management
22. Technical Communication Laboratory
23. Power System Simulation Laboratory

New Value Added Courses:

1. Communication Skills and Development
2. Fundamentals of C / C++
3. Advanced Placement Skills and Training
4. Energy Auditing and Management

New Open Elective Courses:

1. Solar and Energy Storage System
2. Electric Vehicles and Power Management

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 Full-Time (Regulation 2021).

FET EEE 38.3.7

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

Notes:

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

The Curriculum and Syllabus for B.Tech.- Electrical and Electronics Engineering programme has been revised following the guidelines of AICTE. Feedbacks were received from the stake holders (students, teachers, alumni and employer). Based on the feedbacks, the Curriculum and Syllabus has been modified with 25% revision. The Board of Studies has also recommended the new courses to be offered by the department. They are listed below:

New Courses

1. Entrepreneurship Development
2. Economics for Engineers
3. Power System Analysis
4. Environmental Studies
5. Power Systems Operation and Control
6. Measurements and Instrumentation
7. Industrial Automation
8. Electrical and Hybrid Vehicles
9. Solid State Drives
10. Pollution Performance of Power Apparatus and Systems
11. Electrical Power Quality
12. Wind Energy Conversion Systems

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 with details are attached as Annexure. The new courses of Regulations 2021, Value added courses to be offered by the 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. 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

syllabus has 100% courses having focus on employability / entrepreneurship/ skill development. The complete Curriculum and Syllabus with details are given in the Board of Studies minutes document attached as Annexure-II. The new courses of Regulations 2021 are as given below:

New Courses

1. Transforms and Partial Differential Equations
2. Computer Aided Design
3. Computer Integrated Manufacturing
4. Gas Dynamics and Jet Propulsion
5. Advanced Welding Technology
6. Internet of Things and Smart Manufacturing
7. Computer Aided Drafting Laboratory
8. Fluid Power Control and Mechatronics Laboratory
9. Heat Transfer and Refrigeration Laboratory
10. Tool Design and Drawing Laboratory
11. CAD /CAM Laboratory

The matter is placed before the Academic Council for approval.

Resolution

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

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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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

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 Leaning 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

Open Electives

1. Multimedia Design and Development
2. Computer Installation and Troubleshooting
3. Web Design I
4. Web Design II

The matter is placed before the Academic Council for approval.

Resolution

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

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

FCSE BCA 38.4.2   **TO CONSIDER AND APPROVE** the Curriculum and Syllabus for BCA programme under Full-Time (Regulation 2021).

Notes:

The Board of Studies of the Department of Computer Science and Applications recommended the curriculum from I to VI Semesters and Syllabus from I to VI Semesters for BCA programme under Full-Time (Regulation 2021).

 Curriculum and Syllabus has 30% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus has 89% 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 and Value-added courses to be offered by the department are as follows:

New Courses

1.   C Programming Lab
2.   Object Oriented Programming with C++ Lab
3.   Data Structures and Algorithms Lab
4.   HTML and DHTML Lab
5.   Database Management Systems Lab
6.   Visual Programming Lab
7.   Entrepreneurship Development
8.   Data Analytics Lab
9.   Java Programming Lab
10. Operating Systems Lab
11. Internet of Things
12. XML and Web Services Lab
13. Unix and Shell Programming Lab
14. Web Scripting Framework Lab
15. Cyber Security
16. Introduction to Python
17. Data Science
18. Introduction to Python Lab
19. .Net Technologies Lab
20. Programming with PHP and MySQL Lab

Value Added Courses

1. Python Programming
2. Cloud Computing
3. Big Data Analytics
4. R Programming
5. IoT
6. Advanced Java Programming
7. Natural Language Processing
8. RBA-Run Book Automation

The matter is placed before the Academic Council for Approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus for BCA programme under Full-Time (Regulation 2021).

DEPARTMENT OF SOFTWARE ENGINEERING

FCSE B.Sc.- A&M 38.4.3

TO CONSIDER AND APPROVE the Curriculum and Syllabus for B.Sc. – Animation and Multimedia programme under Full-Time (Regulation 2021)

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 Curriculum and Syllabus with details are attached as Annexure. The new courses of Regulations 2021 and new value added courses to be offered by department to other departments are as follows:

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)

New Value Added Courses

1. Office Automation
2. Coral Draw
3. Adobe Indesign
4. Film Appreciation
5. 3D Modeling with Blender
6. Creative Art

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus for B.Sc. – Animation and Multimedia programme under Full-Time (Regulation 2021).

FCSE M.Sc.-CS 38.4.4

TO CONSIDER AND APPROVE the Curriculum and Syllabus for M.Sc. – Computer Science Programme under Full-Time (Regulation 2021).

Notes:

New programme M.Sc. – Computer Science is introduced from the year 2021-22 onwards. The Board of Studies of the Department of Software Engineering pertaining to M.Sc. Computer Science programme recommended the Curriculum from I to IV Semesters and Syllabus from I to IV Semesters under Full-Time (Regulation 2021).

Curriculum and Syllabus for M.Sc. Computer Science programme is based on the feedback from Department Advisory Committee, External academic and industrial experts. The complete Curriculum and Syllabus is given as Annexure.

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus for M.Sc. – Computer Science Programme under Full-Time (Regulation 2021).

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

DEPARTMENT OF LANGUAGES

FHSM M.A.Tamil 38.5.1

TO CONSIDER AND APPROVE the Curriculum And Syllabus for M.A. Tamil programme from I to IV Semester under Full-Time (Regulation 2021).

Notes:

The Board of Studies of the Department of Languages recommended the Curriculum and Syllabus for M.A. Tamil from I to IV Semester to be offered from the academic year 2021-22 (Regulation 2021).

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus for M.A. Tamil programme from I to IV Semester under Full-Time (Regulation 2021).

FHSM English 38.5.2

TO CONSIDER AND APPROVE the new English courses offered to all B.Tech programmes from the academic year 2021-22 onwards.

NOTES:

The Board of Studies of the Department of Languages recommended the English Curriculum and Syllabus to be offered to all B.Tech programmes from the academic year 2021-22 onwards.

Sem	AICTE Abbr	Subject Title	Credits				Hours			
			L	T	P	Total	L	T	P	Total
I	HSMC	Speech Communication	0	1	2	3	0	1	4	5
II	HSMC	Technical Communication	2	0	0	2	2	0	0	2
VI	HSMC	Professional Skills	1	0	2	3	1	0	4	5
						8				**12**

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the new English courses to be offered to all B.Tech programmes from the academic year 2021-22 onwards.

DEPARTMENT OF PHYSICS

FHSM B.Sc.-Physics 38.5.3

TO CONSIDER AND APPROVE the Curriculum and Syllabus for B.Sc. – Physics programme under Full-Time (Regulation 2021).

Notes:

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

- Modifications in the curriculum are based on Learning Outcomes based Curriculum Framework (LOCF) released by University Grant Commission.

- Curriculum and Syllabus are in line with UGC guidelines 2020 with 27% revision from previous syllabus. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The syllabus has 84% 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. Communication Electronics
2. Mathematical Physics
3. Measurement and Instrumentation
4. Measurement and Instrumentation Lab
5. Microprocessor and C programming Lab
6. Laser Physics
7. Nanomaterial and Applications
8. Power electronics
9. Astronomy and Astrophysics
10. Introduction of Microcontroller
11. Quantum Mechanics

New Value Added Courses

1. Maintenance of Minor Equipments
2. MS-Office

Open Elective

1. Electrical Home Appliances

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus for B.Sc. – Physics programme under Full-Time (Regulation 2021).

FHSM M.Sc.- Physics 38.5.4

TO CONSIDER AND APPROVE the Curriculum and Syllabus for M.Sc. – Physics programme under Full-Time (Regulation 2021).

Notes:

The Board of Studies of the Department of Physics recommended the curriculum from I to IV Semesters and Syllabus from I to IV Semesters for M.Sc. Physics programme under Full-Time (Regulation 2021).

Curriculum and Syllabus includes 86% revision from previous syllabus with 100% courses having focus on employability/skill development. The syllabus revision is based on feedback on curricular aspects from students, teachers, employers and alumni. The complete Curriculum and Syllabus with details are attached as Annexure. The new courses of Regulations 2021 are as follows:

New Courses

1. Mathematical Methods of Physics -I
2. Electronics
3. Instrumental Methods of Analyses
4. Mathematical Methods of Physics -II
5. Quantum Mechanics -I

6. Microprocessor and Microcontroller

7. Digital & Microprocessor Laboratory

8. Quantum Mechanics -II

9. Micro Electro Mechanical Systems (MEMS)

10. Solar Thermal and Photovoltaic Technology

11. Industrial Electronics

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus for M.Sc. – Physics programme under Full-Time (Regulation 2021).

DEPARTMENT OF COMMERCE

FHSM B.Com (CA) 38.5.5

TO CONSIDER AND APPROVE the Curriculum and Syllabus of B.Com (Computer Applications) programme under Full-Time (Regulation 2021).

Notes:

The Board of Studies of the Department of Commerce recommended the Curriculum and Syllabus of B.Com Computer Applications under Full-Time (Regulation 2021). The syllabus has 93% courses having focus on employability/entrepreneurship/skill development.

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus of B.Com (Computer Applications) programme under Full-Time (Regulation 2021).

DEPARTMENT OF POLITICAL SCIENCE

FHSM 38.5.6 MA.-P.T	**TO CONSIDER AND APPROVE** the Curriculum and Syllabus from I to IV semesters of M.A. Periyar Thought (2 Year) programme under Full-Time (Regulation 2021).

Notes:

The Board of Studies of the Department of Political Science recommended the Curriculum and Syllabus from I to IV semesters of M.A. Periyar Thought (2 Year) programme under Full-Time (Regulation 2021).

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus from I to IV semesters of M.A. Periyar Thought (2 Year) programme under Full-Time (Regulation 2021).

FHSM 38.5.7 MA.-History	**TO CONSIDER AND APPROVE** the Curriculum and Syllabus from I to IV semesters of M.A. History (2 Year) programme under Full-Time (Regulation 2021).

Notes:

The Board of Studies of the Department of Political Science recommended the Curriculum and Syllabus from I to IV semesters of M.A. History (2 Year) programme under Full-Time (Regulation 2021).

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus from I to IV semesters of M.A. History (2 Year) programme under Full-Time (Regulation 2021).

6. BUSINESS BROUGHT FORWARD BY DEAN RESEARCH

Dean Research 38.6.1

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

Notes:

Fourteen (14) Research scholars who have completed their Public *Viva* Examinations between May 2021 and August 2021 are listed below:

Sl. No	Name of the candidate / Reg.No	Department	Date of Public *Viva voce*	Thesis Title
1.	Mr.Joseph Edward Felix 212012862012	English	20.05.2021	Motivational strategies to teach soft skills to engineering students in Thanjavur district
2.	Mr.B.Balaji 21301285301	Civil Engineering	01.07.2021	Optimization in the design of sewer network
3.	Mr. G.Prabhu 213012854022	CSE	12.07.2021	Framework for redefining and evaluating CMMI models in AI processes
4.	Mr.M.Sundarrajan 116012754003	CSE	16.07.2021	Hybrid Cryptography Algorithms for Network Security
5.	Mr.S.Arumugam 209012855006	Computer Science and Applications	20-07-2021	Time Series Data Transformation to Measure the Complexity of a Learning System and to Predict the Performance of a Learner with Data Mining Techniques
6.	Mr.V.Srithar 216012854031	CSE	22-07-2021	Trust based task assignment in service oriented adhoc network
7	Ms.S.Krishna 214011864013	Chemistry	23.07.2021	Long – Term and Cost – Effective Remediation Technology based on Sonocatalysis Using Affordable Semiconducting Metal Ferrite Loaded Nanocatalysts
8.	Ms.G.Yogapriya 214011851007	Architecture	24-07-2021	Identifying the perceptual qualities of a rural heritage precinct – entrance gateway (Rajagopuram - A case study of Thiruvasi, Tamilnadu).

Sl. No	Name of the candidate / Reg.No	Department	Date of Public *Viva voce*	Thesis Title
9.	Ms.D.Souza Tony 211011873002	Education	27-07-2021	Influence of socio-environmental factors on emotional intelligence of higher secondary students
10.	Ms.J.Thenmozhi 214011868008	Physical Education	28.07.2021	Effect of different packages of yogic practices on selected physiological psychomotor and coordinative abilities among college women athletes
11.	Mr.K.Sakthivel 214012868007	Physical Education	04.08.2021	Effect of plyometric training, weight training and combined training on selected physical, physiological and biochemical variables among college men jumpers
12.	Ms.B.Nithya 216011855015	Computer Science and Applications	11.8.2021	Hybrid approach of nature inspired algorithm for localization in wireless sensor networks.
13.	Mr.R.Vara Prasad Kaviti 215012860022	Mechanical Engineering	21.08.2021	An Investigation of dry sliding wear and hot deformation behavior of magnesium nano composites
14.	Ms.M.Ahila 116011752018	Biotechnology	23-08-2021	Characterization of *Aspergillus carbonarius* in relation to polygalacturonase secretion and carotenoid biosynthesis

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

External Members appreciated 14 Ph.D. scholars for their successful completion of Ph.D. viva voce.

Resolution

RESOLVED TO TAKE ON RECORD Fourteen (14) Research scholars who have completed their Public *Viva voce* Examinations between May 2021 and August 2021.

Dean Research 38.6.2	**TO INFORM AND RECORD** theses evaluation Reports received from the Examiners and waiting for Public *Viva voce* examination.

Notes:

Three (3) research scholars received theses evaluation Reports and waiting for public *Viva voce* examination.

SL. No	Name / Department / Reg.No.	Date of Report Received	Title of the Thesis
1.	Ms.A.Esther Zionia / Management Studies / 117011773004	28.06.2021 (Online)	Talent Acquisition and talent retention strategies in IT/ITeS sector, south and west Tamil Nadu
2.	Ms.R.Poonguzhali /CSE/ 210011854015	12.07.2021 (Online)	Memory network based deep learning models for question answering system
3.	Ms.N.Thilagavathi / CSE / 213011854024	15.07.2021	A framework for enhancing web service composition and verification

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

Resolution

RESOLVED TO TAKE ON RECORD three (3) research scholars who received theses evaluation Reports and waiting for public *Viva voce* examination.

Dean Research 38.6.3	**TO INFORM AND RECORD** the Extension time and Break period granted to Research scholars.

Notes:

❖ Based on Research Advisory Committee recommendations, three (03) registered research scholars have been granted extension for a period of one year (Maximum).

SL. No	Register No	Name	Department	Duration of extension	Date of completion of research programme (as per PMIST Ph.D regulation)	Extension up to
1.	211011853006	Ms.D.Thayalnayaki	Civil Engineering	One year	20.09.2020	19.09.2021
2	112012757001	Mr.M.Vivek	EEE	One year	19.09.2020	18.09.2021
3	211012864010	Mr.R.Rajangam	Chemistry	One year	20.09.2020	19.09.2021

❖ Based on Research Advisory Committee recommendations Mr.R.Rajangam (211012864010), Research scholar, Department of Chemistry has been granted break period between 20.09.2018 and 19.09.2019 and 2019-20 lock down period, due to health problem.

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

Resolution

RESOLVED TO TAKE ON RECORD the matter of three (03) registered research scholars who have been granted extension for a period of one year (Maximum).

Dean Research 38.6.4	**TO INFORM AND RECORD** the Scopus Indexed Publications as on 31st August 2021, **620** number of articles have been published in Scopus Indexed journals.

No. of Publication for the year 2021 (up to August)   – 25
No. of Publication for the year 2020   – 52
No. of Publication for the year 2019   – 81

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

Dr.K.Thirumaran, External Member suggested to encourage faculty members to publish more research articles.

Resolution

RESOLVED TO TAKE ON RECORD the **620** number of articles published in Scopus Indexed Journals as on 31st August 2021.

Dean Research 38.6.5   **TO INFORM AND RECORD** the Memorandum of Understanding (MoU) with Industries and Institutions.

Sl. No	Name of the Industry and Institution	Objectives / Scope / Major activities	MoU Date
1	Government Industrial Training Institute, Vallam	➢ Industrial Visit ➢ In-plant Training ➢ Guest Lectures	17.10.2020
2	Indian Spectro physics Association (ISPA), Chennai.	➢ Conducting Science Awareness programmes ➢ Conducting PG Students Technical Seminars ➢ Conducting Workshop for College and University teachers ➢ Organizing Conferences on Applied Sciences	26.04.2021
3	Gulf Engineering, Karaikudi	➢ Collaborative research ➢ Exchange of information on research and education programmes ➢ Joint proposals and engagement in research and training programmes sponsored by funding agencies ➢ Mutual training programmes for faculty and industrial personnel ➢ Placements of candidates with required qualifications and skill sets ➢ Industrial visits by faculty, researchers and students ➢ Project works / Internships	05.08.2021
4	Noble Bricks & Pavers, Thanjavur.	➢ Industrial Training & Visit ➢ Guest Lectures ➢ Placement of trained students	25.08.2021
5	BIOELIXIR, Thanjavur.	➢ Industrial Training & Visit ➢ Guest Lectures ➢ Placement of trained students	25.08.2021
6	Fermentech GSV Private Limited, Thanjavur.	➢ Industrial Training & Visit ➢ Guest Lectures ➢ Placement of trained students	25.08.2021

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

Resolution

RESOLVED TO TAKE ON RECORD the Memorandum of Understanding (MoUs) signed with Industries and Institutions.

Dean Research 38.6.6   **TO INFORM AND RECORD** the List of Patents Filed from April 2021 to August 2021.

Notes:

List of Patents Filed:

Sl. No.	Name(s) of the innovators [faculty or student(s)] in Periyar Maniammai Institute of Science & Technology	Patent Number / Design Applications	Title of the IPR	Date of IPR Filed/Published
1	Dr.C.Narmadha and Dr.V.Hamsadhwani	2021101274 (Invention filed in Australia)	Integrated Multimodal Sensor System for Agri Farms	21st April 2021
2	Dr. D. Jeyasimman	202141013948	Dynamic Scheduling of Ultra-High-Speed Multi-Tasking Processor to Handle Integrated Sensor Circuits in Automated Robot	9th April 2021
3	Dr. P.K. Srividhya, Dr. D. Jeyasimman, Mr. A. Pugazhenthi, Mr. S.P. Manikandan and Mr. C.M. Vivek	202141014297	Parametric Analysis and Reduction of Crown Shrinkage in Piston Castings.	9th April 2021
4	Mr. J. Jerald Ms. S. Devadharsini Mr. M. Abdul Rahman Dr. P.K. Srividhya and Mr. A. Pugazhenthi	202141015934A	Solar and Electric Powered Foot Operated Vehicle with Reverse Mechanism for Arm Impaired Person	16th April 2021
5	Dr. P.K. Srividhya, Mr. P. Ilangovan and Dr.M. Sharmila Begum	2021410108013	Design and Fabrication Prototype of Biogas Digester for Anaerobic Digestion to Predict Methane	30th April 2021
6	Dr.M. Sharmila Begum Mr. V. Rajkumar, Ms.S.P. Ramya, Dr.P. Aruna, Ms. S. Suseela, Mr. P. Ilangovan and Mr. M. Chandrakumar Peter	202141016995	IOT based warehouse safeguard system for harvested agricultural crops	23rd April 2021

Sl. No.	Name(s) of the Innovators [faculty or student(s)] in Periyar Maniammai Institute of Science & Technology	Patent Number / Design Applications	Title of the IPR	Date of IPR Filed/Published
7	Mr.S.Satheesh Rakin Dr.S.P.Kulandaivel Babu and Mr.U.Saravana Kumar	202141020101	A docking station for an autonomous drone used for forest fire detection	3rd May 2021
8	Dr. P. K. Srividhya, Mr. R. Rakesh, Mr.U.Saravanakumar Mr. N. Shivakumar, Mr. P. Ilangovan and Mr. I.Karthic Subramaniyan	20241020112	Design and Fabrication of Coconut Tree Climbing Robot	14th May 2021
9	Mr. R.Rakesh	2021101936	Motion Planning and Control Algorithm for Obstacle Avoidance for Point Mobile Robots	19th of May 2021
10	Ms. M. Thamaraiselvi, Mr. G. Ajaykumar, Ms. A. Bargana, Ms. S. Sivapriya, Mr.R.Chandrasekaran, Ms. C. Rajanandhini, Dr. V. Violet Juli, Dr. L. Jayanthi, Mr. K. Arunganesh, Mr. M. Chandrakumar Peter and Dr. D. Maghesh Kumar	202141026747	Development of mini cloud server with portable on board computer	16th June 2021
11	Ms. N. Priya	202111027107	Apparatus and method for an electrical switching	17th June 2021
12	Ms.S. Rashmika, Mr. A.Akash, Mr. J.Monish, Mr. Ramanan Sivakumar and Dr.A.E.Narayanan	202141025430	Preservation of nutrients of the stored meat by IOT based machine learning enabled technology	25th June 2021
13	Dr. C. V. Subramanian	345469-001	Design Applications: Novel geometry for Heliodon Solar Simulator	29th June 2021
14	Mr.R.Chandrasekaran Ms.C.Rajanandhini Ms.Dr.V.Violet Juli	202141029408	Automatic Pearl Millet Seed Remover Using Artificial Intelligence	30th June 2021

Sl. No.	Name(s) of the Innovators [faculty or student(s)] in Periyar Maniammai Institute of Science & Technology	Patent Number / Design Applications	Title of the IPR	Date of IPR Filed/Published
15	Dr. D. Jeyasimman and N.Ramasamy	2021102151	Method to identify the influence of non-metallic inclusions in segregated banded-Zone during plate groove butt joint welding	7th day of July 2021

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

Resolution

RESOLVED TO TAKE ON RECORD the list of Patents Filed

Dean Research 38.6.7

TO INFORM AND RECORD the Recognition of Research Supervisor

Notes:

Based on Research Supervisor Recognition committee's recommendation three (3) faculty members have been recognized as Research supervisors.

Sl. No	Name / Designation	Department	Recognition No.
1.	Dr.A.Muthamizh Selvan / Associate Professor	CSA	00.07.15.21
2.	Dr.V.Hamsadhwani / Associate Professor	EEE	00.04.21.21
3.	Dr.G.Saravana Venkatesh / Assistant Professor	EEE	00.04.22.21

Other Activities:

ARIIA

Data has been uploaded in ARIIA portal.

Institution Innovation Cell

Institution Innovation Cell, Ministry of Education and AICTE have jointly conducted innovation training for the faculty members through online from 30th June 2021 to 31st July 2021.

Phase-2 level

    a) Ar. N. Ramesh Babu, Associate Professor & Head, Department of Architecture

    b) Dr. Mohammed Danish, Assistant Professor, Department of Chemistry

    c) Dr. P. Guru, Associate Professor, Department of Management Studies

    d) Dr.S.Kumaran, Associate Professor, Department of Biotechnology & Dean Research

Phase – 1 level

    e) Dr. J. Sathyapriya, Associate Professor & Head, Department of Management Studies

    f) Dr. M.Sharmila Begum, Associate Professor & Head, Department of CSE

    g) Mr. K. Arun Ganesh, Assistant Professor, Department of EEE

    h) Mr. U. Saravana Kumar, Assistant Professor, Department of ECE

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

Resolution

RESOLVED TO TAKE ON RECORD that three (3) of our faculty members have been recognized as Research supervisors.

MINUTES OF THE TABLE AGENDA AND NOTES

7. a). BUSINESS BROUGHT FORWARD BY DEAN (ACADEMIC)

Dean Academic 38.7.1

TO INFORM AND RECORD the Regulations followed for all programmes offered for the academic year 2021-22.

Notes:

The regulations followed for all programmes offered for the academic year 2021-22 are as follows:

Department	Year	Regulation
B.Arch	I	2020
	II	2019
	III	2019
	IV	2016 Revision I
	V	2016 Revision I
M.Arch	I	2019
	II	2019

Program	Semester	Regulation
B.Tech.-Aerospace Engineering	I	2021
	II	2018 Revision I
	III	2018 Revision I
	IV	2018 Revision I
B.Tech.-Biotechnology	I	2021
	II	2018 Revision I
	III	2018 Revision I
	IV	2018 Revision I
B.Tech.-Civil Engineering	I	2021
	II	2018
	III	2018
	IV	2018
B.Tech.-Civil Engineering (Part-Time)	I	2021
M.Tech.- Environmental Engineering	I	2018
	II	2018
M.Tech.- Environmental Engineering (Part-Time)	I	2018
	II	2018
	III	2018
B.Tech.-CSE	I	2021
	II	2018 Revision II
	III	2018 Revision II
	IV	2018 Revision II
B.Tech.-ECE	I	2021
	II	2018 Revision I
	III	2018 Revision I
	IV	2018 Revision I
M.Tech.-Wireless Communication	I	2018
	II	2018
M.Tech.-Nanotechnology	I	2018
	II	2018
M.Tech.-Nanotechnology (Part-Time)	I	2018
	II	2018
	III	2018
M.Tech.-Nanotechnology (Integrated)	IV	2015 Revision I
	V	2015 Revision I
B.Tech.-EEE	I	2021
	II	2018
	III	2018
	IV	2018
B.Tech.-EEE (Part-Time)	I	2021
	II	2018
	III	2018
	IV	2018
M.Tech.-Power Electronics & Drives	I	2018
	II	2018
	III	2018
B.Tech.-Mechanical Engineering	I	2021
	II	2018
	III	2018
	IV	2018

Program	Semester	Year
B.Tech.-Mechanical Engineering (Part-Time)	I	2021
	II	2018
	III	2018
	IV	2018
M.Tech.-Renewable Energy (Full Time)	I	2018
	II	2018
M.Tech.-Renewable Energy (Part-Time)	I	2018
	II	2018
B.Sc.-Animation & Multimedia	I	2021
	II	2018
	III	2018
B.Sc.-Computer Science	I	2020
	II	2020
	III	2019
M.Sc.-Software Engineering	IV	2018
	V	2017
M.Sc.-Computer Science	I	2021
	II	-
B.Sc.-Chemistry	I	2018
	II	2018
	III	2018
M.Sc.-Chemistry	I	2018
	II	2018
B.Sc.-Mathematics	I	2018
	II	2018
	III	2018
M.Sc.-Mathematics	I	2018 Revision I
	II	2018 Revision I
B.Sc.-Physics	I	2021
	II	2018
	III	2018
M.Sc.-Physics	I	2021
	II	2018
B.Sc.B.Ed	I	2018
	II	2017
	III	2017
	IV	2017
B.Ed	I	2017
	II	2017
BBA	I	2018
	II	2018
	III	2018
MBA	I	2021
	II	2018
BCA	I	2021
	II	2018 Revision I
	III	2018 Revision I
MCA	I	2020
	II	2020
B.Com	I	2018 Revision I
	II	2018
	III	2018

B.Com (Hons)	I	2018 Revision I
	II	2018
	III	2018
B.Com.-Corporate Secretaryship	I	2020
	II	2020
	III	-
B.Com.-Computer Applications	I	2021
M.Com	I	2019
	II	2019
B.A.-English	I	2020
	II	2020
	III	2018
M.A.-English	I	2018
	II	2018
M.A.-Political Science	I	2019
	II	2019
M.S.W.-Social Work	I	2020
	II	2020

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

Resolution

RESOLVED TO TAKE ON RECORD the Regulations followed for all programmes offered from the academic year 2021-22.

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

DEPARTMENT OF MANAGEMENT STUDIES

FHSM MBA 38.7.2   **TO CONSIDER AND APPROVE** the Curriculum and Syllabus of I to IV semesters of MBA Full-Time programme (Regulation 2021).

Notes:

The Department Advisory Committee members met on 09.08.2021 to review the Curriculum and Syllabus of MBA programme. Further, the Board of Studies of Department of Management Studies has met on 11.08.2021 and discussed and finalized the Curriculum and Syllabus for I to IV semesters of MBA Full-Time (Regulation 2021).

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 96% courses having focus on employability/ entrepreneurship/ skill development. The complete Curriculum and Syllabus of I to IV semester are given as Annexure. The new courses of Regulations 2021, new Value added course to be offered by the department are as follows:

New Courses

1. Accounting for Managers
2. Business Legislation for Management
3. Business Ethics and Corporate Governance
4. Information Management
5. Entrepreneurial Finance
6. Strategic Sourcing and Vendor Management
7. Supply Chain Analytics
8. Financial Market and Services
9. Behavioral Finance
10. Human Resource Metric and Analytics
11. International Human Resources Management
12. Services Marketing
13. Digital and Social Media Marketing
14. Managing Digital Innovation and Transformation
15. Data Mining for Business Decision
16. Social Entrepreneurship
17. Entrepreneurial Marketing

New Value Added Course

1. Design Thinking

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the Curriculum and Syllabus of I to IV semesters of MBA Full-Time programme (Regulation 2021).

7. c). BUSINESS BROUGHT FORWARD BY DEAN RESEARCH

Dean Research 38.7.3

TO CONSIDER AND APPROVE the course work subjects offered for the Research scholars from the academic year 2021 - 22 under Regulations 2021.

Notes:

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

Sl. No	Department	Sub. Code	Subject Title	Credit			
				L	T	P	C
1	Mathematics	RMA016	Machine Learning Techniques	3	0	0	3
2	Mathematics	RMA017	Fuzzy sets, Fuzzy logic for Business, Finance and Management	3	0	0	3

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the course work subjects offered for the Research scholars for the academic year 2021 - 22 under Regulations 2021.

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

Dr. P.K.Srividhya, Dean Academic and Registrar i/c informed all members that PMIST NAAC- Self Study Report (SSR) has been pre qualified for Peer Team Visit.

Also she thanked all the External and Internal members for their active participation.

REGISTRAR
Secretary, Academic Council