



## **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

19.	Dr.D.Kumar	Member
20.	Dr.S.Kumaran	Member
21.	Dr.D.Maghesh Kumar	Member
22.	Dr.B.Mahendra Mohan	Member
23.	Dr.C.Narmadha	Member
24.	Dr.T.Narmadha	Member
25.	Mr.A.Pugazhenth	Member
26.	Dr.KVR.Rajandran	Member
27.	Mr.R.Rakesh	Member
28.	Dr.D.Ramesh	Member
29.	Ar.N.Ramesh Babu	Member
30.	Dr.D.Ruby	Member
31.	Dr.V.Sangeetha	External Member
32.	Dr.J.Santhosh	Member
33.	Dr.J.Sathyapriya	Member
34.	Dr.K.Selvakumar	Member
35.	Dr.K.Selvam	Member
36.	Dr. S.Senthamil Kumar	Member
37.	Dr.V.A.Shanmugavelu	Member
38.	Dr.M.Sharmila Begum	Member
39.	Dr.M.A.Sikandar	External Member
40.	Dr.C.V.Subramanian	Member
41.	Dr.G.Thamilvanan	Member
42.	Dr.K.Thirumaran	External Member
43.	Dr.P.Vijayalakshmi	Member
44.	Dr.S.Suppiah	Special Invitee

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

**The Chairperson welcomed all the Academic Council External and Internal members. He also presented the academic activities, organized by various Departments and Centers, held after the previous Academic Council Meeting.**

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

**VC 40.1.1 TO CONSIDER AND APPROVE** the confirmation of the minutes of the 39<sup>th</sup> Academic Council Meeting held on 26.02.2022.

**Notes:**

The Minutes of the 39<sup>th</sup> Academic Council Meeting held on 26.02.2022 was communicated to all members. The same was placed before the Board of Management Meeting held on 15.03.2022 and got approved; no dissent / corrections have been received from members.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the confirmation of the minutes of the 39<sup>th</sup> Academic Council Meeting held on 26.02.2022.

**VC 40.1.2 TO CONSIDER AND RATIFY** the course works offered for the Research scholars registered from the academic year 2021-22 under Regulations 2021.

**Notes:**

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

Sl. No	Department	Sub. Code	Subject Title	Credit			
				L	T	P	C
1.	Architecture	YARON05	Housing Justice: A view from Indian Cities (Online- Coursera)	1	0	0	1
2.	Architecture	YARON06	Rethink the City: New approaches to Global and Local Urban Challenges (Online-edx)	2	0	0	2
3.	Architecture	YARON07	Upgrading Urban Informal Settlements (Online-OLC)	2	0	0	2
4.	Mathematics	RMA019	Fundamentals of Data Science	3	0	0	3
5.	Chemistry	RCYON02	Drug Development (Online-Coursera)	3	0	0	3
6.	English	REG024	Indian writing in English	3	0	0	3
7.	English	REG025	Women's writing in English Literature	3	0	0	3
8.	English	REG026	Poetry, Prose & Literary Terms	3	0	0	3

9.	English	REG027	Afro-American Literature	3	0	0	3
10.	English	REG028	Women's writing in Afro American Literature	3	0	0	3
11.	English	REG029	Afro American Poetry, Prose & Literary Terms	3	0	0	3
12.	English	REG030	An Introduction to Indian English Drama	3	0	0	3
13.	English	REG031	An Introduction to New Historicism	3	0	0	3
14.	English	REG032	Girish Karnad and his Theatre	3	0	0	3
15.	English	REG033	An Introduction to Indian English Novel	3	0	0	3
16.	English	REG034	Feminist Theory & Criticism	3	0	0	3
17.	English	REG035	Kavita Kane and Mythology	3	0	0	3
18.	Management Studies	RBA064	Mutual Funds	3	0	0	3
19.	Management Studies	RBA065	Portfolio Management	3	0	0	3
20.	Management Studies	RBA066	Behavioural Finance	3	0	0	3
21.	Computer Science & Applications (CSA)	RCA033	Image Processing	3	0	0	3
22.	CSA	RCA034	Artificial Intelligence	3	0	0	3
23.	CSA	RCA035	Deep Learning	3	0	0	3
24.	CSA	RCA036	Cryptography And Information Security	4	0	0	4
25.	CSA	RCA037	Optimization Techniques	4	0	0	4
26.	CSA	RCA038	Cloud Computing	3	0	0	3

The matter is placed before the Academic Council for ratification.

**Dr.V.Sangeetha, External Member suggested to revise and narrow down the English Course work titles, based on the Research Scholars' area of research.**

### **Resolution**

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

**VC 40.1.3 TO CONSIDER AND RATIFY** the increase in the intake from 100 to 120 for the B.Sc.-Computer Science programme under Full-Time from the academic year 2022-23.

### **Notes:**

Based on the increasing demand for the B.Sc.-Computer Science programme

under Full-Time, it is proposed to increase the intake from 100 to 120 from the academic year 2022-23.

The matter is placed before the Academic Council for ratification.

#### **Resolution**

**RESOLVED TO RATIFY** the increase in the intake from 100 to 120 for the B.Sc.-Computer Science programme under Full-Time from the academic year 2022-23 .

**VC 40.1.4 TO CONSIDER AND RATIFY** the increase in the intake in B.Sc.-Data Science from 30 to 60 from the academic year 2022-23.

#### **Notes:**

Based on increasing demand, it is proposed to increase in the intake in B.Sc.-Data Science from 30 to 60 from the academic year 2022-23.

The matter is placed before the Academic Council for ratification.

#### **Resolution**

**RESOLVED TO RATIFY** the increase in the intake in B.Sc.-Data Science from 30 to 60 from the academic year 2022-23.

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

**Dean  
Academic  
40.2.1**

**TO CONSIDER AND APPROVE** the proposed intake of various programmes offered from the Academic year 2022-23.

#### **Notes:**

The proposed intake for various programmes offered for the Academic year 2022-23 are given as follows:

#### **Programmes Offered - 2022-23**

##### **UNDER GRADUATE PROGRAMMES (FULL-TIME)**

<b>Sl. No.</b>	<b>Programme</b>	<b>Duration</b>	<b>Intake</b>
1	B. Arch.	5 Years	80
2	B.Tech.-Aerospace Engineering B.Tech. (Hons.) - Aerospace Engineering with specialization in <i>Unmanned Aerial Vehicle</i>	4 Years	60
3	B.Tech.-Biotechnology B.Tech. (Hons.) - Biotechnology with specialization in <i>Computer Science and Biology</i>	4 Years	60

Sl. No.	Programme	Duration	Intake
4	B.Tech.-Civil Engineering B.Tech. (Hons.) - Civil Engineering with specialization in <i>GIS and Remote Sensing</i>	4 Years	60
5	B.Tech.-Computer Science and Engineering B.Tech. (Hons.) - CSE with specialization in <i>AI and ML</i> B.Tech. (Hons.) - CSE with specialization in <i>Data Science</i>	4 Years	120
6	B.Tech.-Electrical and Electronics Engineering B.Tech. (Hons.) - EEE with specialization in <i>Electric Vehicles</i> B.Tech. (Hons.) - EEE with specialization in <i>Energy Engineering</i>	4 Years	60
7	B.Tech.-Electronics and Communication Engineering B.Tech. (Hons.) - ECE with specialization in <i>AI and ML</i> B.Tech. (Hons.) - ECE with specialization in <i>Robotics and Industrial Automation</i>	4 Years	60
8	B.Tech.-Mechanical Engineering B.Tech. (Hons.) - Mechanical Engineering with specialization in <i>Robotics and Industrial Automation</i> B.Tech. (Hons.) - Mechanical Engineering with specialization in <i>Energy Engineering</i>	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

### POST GRADUATE PROGRAMMES (FULL-TIME)

Sl.No.	Programme	Duration	Intake
1	M. Arch.	2 Years	20
2	M.Tech.-Environmental Engineering	2 Years	18
3	M.Tech.-Nano Technology	2 Years	18
4	M.Tech.-Renewable Energy	2 Years	18
5	M.Tech.-Wireless Communications	2 Years	18
6	M.Tech. -Power Electronics and Drives	2 Years	18
7	M.B.A. (Dual Specialization) <ul style="list-style-type: none"> <li>• Finance</li> <li>• Human Resource</li> <li>• Marketing</li> <li>• Operations</li> <li>• Business Analytics</li> </ul>	2 Years	120
8	M.S.W.	2 Years	20
9	M.Sc.-Chemistry	2 Years	20
10	M.Sc.-Mathematics	2 Years	20
11	M.Sc.-Physics	2 Years	20
12	M.Sc - Computer Science	2 Years	20
13	M.A.-English	2 Years	20
14	M.A.-Political Science	2 Years	20
15	M.A.-Periyar Thought	2 Years	20
16	M.A.-History	2 Years	20
17	M.A.-Tamil	2 Years	20
18	M.C.A.	2 Years	120
19	M.Com.	2 Years	20

### Ph.D Programmes (Full-Time & Part-Time)

Architecture	
Sl. No	Programme
1	Architecture
<b>Engineering &amp; Technology</b>	
1	Biotechnology
2	Civil Engineering
3	Electrical & Electronics Engineering
4	Electronics & Communication Engineering
5	Mechanical Engineering
6	Nano Technology
<b>Humanities, Sciences and Management</b>	
1	Chemistry
2	Commerce
3	English
4	Management Studies
5	Mathematics
6	Periyar Thought
7	Physics
8	Social Work
9	Political Science
<b>Computing Sciences and Engineering</b>	
1	Computer Science and Applications

- ❖ Lateral Entry 10% of sanctioned Intake of each of the B.Tech First Year Programmes and Lapsed Seats in the respective First Year Programmes.

The matter is placed before the Academic Council for approval.

## **Resolution**

**RESOLVED TO APPROVE** the proposed intake of various programmes offered from the Academic year 2022-23.

**Dean  
Academic  
40.2.2**

**TO CONSIDER AND APPROVE** the proposed examinations reforms:

### **Notes:**

1. Nomenclature of Formative & Summative assessments is modified as Continuous Internal Assessment & End Semester Examination respectively in line with the Guidelines of Statutory Bodies.

The matter is placed before the Academic Council for approval.

## **Resolution**

**RESOLVED TO APPROVE** the proposed examinations reforms

**Dean  
Academic  
40.2.3**

**TO CONSIDER AND RECORD** the admission procedures followed for admitting candidates in to various programmes during the academic year 2022-23.

### **Notes:**

The procedures for admitting candidates in to various programmes like Engineering, Architecture, Arts, Sciences, Humanities, Management and Education have been framed based on the guidelines given in the AICTE handbook of approval process 2022-23, CoA, UGC and NCTE for the academic year 2022-23.

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

## **Resolution**

**RESOLVED TO TAKE INTO RECORD** the admission procedures followed for admitting candidates in to various programmes during the academic year 2022-23.

**Dean  
Academic  
40.2.4**

**TO INFORM AND RECORD** the increase in the intake in the following UG & PG Programmes from the academic year 2022-23.

**Notes:**

The agenda (40.2.4 to 40.2.8) connected with increase in the intake / starting of new programmes / closure of Part-Time programmes was circulated through email on 26th April 2022 to all the members for approval for applying to AICTE's approval process for the academic year 2022 – 23.

Based on the increasing demand, it is decided to increase the intake from the academic year 2022-23 onwards in the following UG & PG programmes.

Programmes:

1. B.Tech.-Computer Science and Engineering - from 60 to 120
2. MCA.-Master of Computer Applications - from 60 to 120
3. MBA.-Master of Business Administration – from 60 to 120

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

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the increase in the intake for the above mentioned UG & PG Programmes from the academic year 2022-23.

**Dean  
Academic  
40.2.5**

**TO INFORM AND RECORD** the closure of the following UG & PG Programmes from the academic year 2022-23.

**Notes:**

Due to few enquiries and less intake, it is proposed to close the following programmes from the academic year 2022-23.

**Closures:**

1. B.Tech.-Civil Engineering (Part-Time)
2. B.Tech.-Electrical and Electronics Engineering (Part-Time)
3. B.Tech.-Mechanical Engineering (Part-Time)
4. M.Tech.- Environmental Engineering (Part-Time)
5. M.Tech.- Nano Technology (Part-Time)
6. M.Tech.- Renewable Energy (Part-Time)
7. M.Tech.- Wireless Communications (Part-Time)
8. M.Tech.- Power Electronics and Drives (Part-Time)

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

### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the closure of the above mentioned UG & PG Programmes from the academic year 2022-23.

**Dean  
Academic  
40.2.6**

**TO INFORM AND RECORD** reducing the number of intake for the following PG Programmes from the academic year 2022-23 onwards.

### **Notes:**

Based on the guidelines given in the AICTE hand book of approval process 2022-23, and less intakes in the previous years; it is proposed to reduce the intake in the following PG Programmes from the academic year 2022-23 onwards:

1. M.Tech.- Environmental Engineering – from 20 to 18
2. M.Tech.- Nano Technology – from 20 to 18
3. M.Tech.- Renewable Energy – from 20 to 18
4. M.Tech.- Wireless Communications – from 20 to 18

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

### **Resolution**

**RESOLVED TO RECORD** reducing the number of intake for the above mentioned PG Programmes from the academic year 2022-23 onwards.

**Dean  
Academic  
40.2.7**

**TO INFORM AND RECORD** the proposal for offering **M.Tech.- Power Electronics and Drives** as Full-Time programme from the academic year 2022-23.

### **Notes:**

Since the **M.Tech.- Power Electronics and Drives** programme offered under Part-Time mode earlier was closed; it is proposed to offer **M.Tech.- Power Electronics and Drives** under Full-Time mode (Intake - 18) by considering the increasing demand for the programme.

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

### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the proposal for offering **M.Tech.- Power Electronics and Drives** as Full-Time programme from the academic year 2022-23 onwards.

**Dean  
Academic  
40.2.8**

**TO INFORM AND RECORD** starting up of the following new UG Programmes under Full-Time from the Academic year 2022-23.

Notes:

Based on the number of enquiries, it is proposed to offer the following new UG programmes under Full-Time from the Academic year 2022-23 .

Sl.No	Programme	Duration	Intake
1.	BBA.-Logistics and Supply Chain Management	3 Years	30
2	BBA.-Hospitality Management	3 Years	30
3	B.Sc.-Data Science	3 Years	30
4	BA.-Tamil	3 Years	30

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

**Dr.M.A.Sikandar, External Member appreciated starting the Hospitality Management courses and enquired whether any MoU has been signed for hospital resources regarding BBA.-Hospitality Management.**

**Dr. J.Sathyapriya, Director CHRD replied that executing MoU with service industry and hospital is in progress.**

**Resolution**

**RESOLVED TO TAKE INTO RECORD** starting up of the mentioned new UG Programmes under Full-Time from the Academic year 2022-23 onwards.

**Dean  
Academic  
40.2.9**

**TO INFORM AND RECORD** the scholarships provided for students (Renewal for the Academic Year 2022-23).

**Renewal Scholarship – 2022-23**

Sl. No	Scheme	Name of the Scholarship	Number of Beneficiaries	Total Amount Sanctioned(Rs.)
1.	Scheme B	Annai E.V.R. Nagammaiyar Scholarship for Women Based on Board Examination	1	25000
2.	Scheme C	Sir A.T. Panner Selvam Merit Scholarship	1	8750
3.	Scheme D	Dr. C. Natesanar Scholarship for NCC Cadets with 'A' Certificate / Widows / Dependants of Ex-service / Service Personnel	2	23000
4.	Scheme F	Annai E.V.R. Maniammaiyyar Scholarship for First Generation Graduate	116	714000

Sl. No	Scheme	Name of the Scholarship	Number of Beneficiaries	Total Amount Sanctioned (Rs.)
5.	Scheme A Category II	Management First Graduate Scholarship	1	20000
6.	Scheme I	Pulavar G. Imayavaramban Scholarship for Siblings of PMIST Students	8	41000
7.	Scheme J	Thalabathi Pattukottai Azhagiri Samy Scholarship for Wards of PMIST/ Sister Institutions' Employees	1	3000
8.	Scheme L	Mr. Rajarathinam and Mrs. Rajarathinam Scholarship for Students based on Socio-Economic status	1	3000
9.	Scheme A	Merit Scholarship	483	4424000
10.	Scheme B	First Graduate Scholarship	95	700000
11.	Scheme C	Farmer Children Graduate Scholarship	24	154000
12.	Scheme B	Sports Scholarship	1	37000
13.	Scheme D	Single Parent Children Scholarship	6	33500
14.	Scheme E	Sports Scholarship	6	24000
15.	Scheme F	Special Scholarship	31	265000
16.	Scheme G	PMIST Employee Ward Scholarship	7	190000
17.	Scheme H	PMIST Alumni Scholarship	47	487500
18.	Schemes I	Physically Challenged Scholarship	2	6000
19.	Schemes J	Sibling Scholarship	2	5000
20.	Schemes L	Management Scholarship	10	110000
21.	Scheme B	Management Merit Scholarship	2	31500
22.	Scheme C	EVR Nagammaiyar Scholarship for Widows / Destitute Women / Dependants of Ex-Service / Service Personnel	5	100000
23.	Scheme E	Dr. Muthulakshmi Scholarship for First Generation Graduate	46	845000
<b>Total</b>			<b>898</b>	<b>8250250</b>
<b>2021-22 Scholarship</b>			<b>33</b>	<b>199500</b>
<b>Grand Total</b>			<b>931</b>	<b>8449750</b>

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

### Resolution

**RESOLVED TO TAKE INTO RECORD** the scholarships provided for students (Renewal for the Academic Year 2022-23).

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

#### DEPARTMENT OF AEROSPACE ENGINEERING

**FET** **TO CONSIDER AND APPROVE** the Curriculum and Syllabi for  
**B.Tech** B.Tech (Hons).- Aerospace Engineering with specialization in  
**Aero** Unmanned Aerial Vehicle (Regulation 2021, Revision 1; Full time  
**40.3.1** 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
Total			9	0	11	20	25

#### 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

the courses in B.Tech.– Aerospace Engineering curriculum and syllabi, Regulation 2021).

## DEPARTMENT OF BIOTECHNOLOGY

**FET  
B.Tech  
Bio  
40.3.2**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for B.Tech (Hons).- Biotechnology with specialization in Computer Science and Biology in the existing regulation 2021 under Full Time (Regulation 2021, Revision 1; Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech.– Biotechnology curriculum and syllabi, Regulation 2021) are given below:

Computer Science and Biology

S.No.	Course Code	Semester	Course Title	Credits Detail				
				L	T	P	C	H
1.	XBTHC1	III	C and JAVA	1	0	2	3	5
2.	XBTHC2	IV	Python	1	0	2	3	5
3.	XBTHC3	IV	Biostatistics	2	1	0	3	5
4.	XBTHC4	V	R Program and R Studio	1	0	2	3	5
5	XBTHC5	VI	MATLAB	1	0	2	3	5
6	XBTHC6	VII	Mini Project	0	0	5	5	10
<b>Total</b>				<b>6</b>	<b>1</b>	<b>13</b>	<b>20</b>	<b>35</b>

### Notes:

- 1) The Board of Studies of the Department of Biotechnology recommended the Curriculum and Syllabus for B.Tech Biotechnology Honors programme with specialization in “Computer Science and Biology” under Full Time in existing Regulation 2021).
- 2) Based on the National Biotechnology Strategy (2021-2025) released from Department of Biotechnology, Government of India, the existing Programme Educational Objectives (PEO) are modified.

The matter is placed before the Academic Council for approval.

### **Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Tech (Hons).- Biotechnology with specialization in “Computer Science and Biology” in the existing regulation 2021 under Full Time (Regulation 2021, Revision 1; Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech.– Biotechnology curriculum and syllabi, Regulation 2021).

### **DEPARTMENT OF CIVIL ENGINEERING**

**FET  
B.Tech-  
Civil  
40.3.3**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for B.Tech (Hons).- Civil Engineering with specialization in GIS and Remote Sensing programme (Regulation 2021, Revision 1: Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech – Civil Engineering Curriculum and Syllabi, Regulation 2021) are given below:

#### **New Courses:**

Course code	Semester	Course Title	L	T	P	C	H
XCEHR1	III	Photogrammetry	3	0	0	3	3
XCEHR2	IV	Image processing	3	0	1	4	5
XCEHR3	V	Remote sensing	3	0	1	4	5
XCEHR4	VI	Geographic information system	3	0	1	4	5
XCEHR5	VII	Mini Project	0	0	5	5	10
<b>Total</b>			<b>12</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>28</b>

#### **Notes:**

The Board of Studies of the Department of Civil Engineering recommended Curriculum and Syllabi for B.Tech.-(Hons) Civil Engineering with specialization in GIS and Remote Sensing programme under Full-Time (Regulation 2021, Revision 1).

The matter is placed before the Academic Council for approval.

### **Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Tech (Hons).-

**FET  
M.Tech-  
EE  
40.3.4**

Civil Engineering with specialization in GIS and Remote Sensing programme (Regulation 2021, Revision 1: Full time mode). The courses pertaining to the specialization and their credits (In addition to the courses in B.Tech – Civil Engineering Curriculum and Syllabi, Regulation 2021).

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi from I to IV semester for M.Tech.– Environmental Engineering programme under Full-Time (Regulation 2022).

**Notes:**

The Board of Studies of the Department of Civil Engineering recommended the Curriculum and Syllabi from I to IV Semesters of M.Tech.- Environmental Engineering under Full-Time (Regulation 2022).

Curriculum and Syllabus is in line with AICTE proposed guidelines 2022 with 24.7% revision from previous syllabus. The syllabus revision included 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 syllabi with details are given in the Board of Studies minutes document attached as Annexure-I.

↳The new courses of Regulations 2022 offered by the department are

Sl.No	Name of the Course
1	Noise Pollution and Control Engineering
2	Operation and Maintenance of Water and Wastewater Treatment Systems
3	Sustainable Engineering

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi from I to IV semester for M.Tech.– Environmental Engineering programme under Full-Time (Regulation 2022).

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**FET  
B.Tech.-  
ECE  
40.3.5**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for B.Tech (Hons).- Electronics and Communication Engineering with specialization in (a) Robotics and Industrial Automation (b) Artificial Intelligence and Machine 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
Total			5	0	15	20	35

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	-	-	5	5	10
Total			5	0	15	20	35

**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.

### **Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Tech (Hons).- Electronics and Communication Engineering with specialization in (a) Robotics and Industrial Automation (b) Artificial Intelligence and Machine 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).

**FET  
M.Tech.-  
WC  
40.3.6**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi from I to IV semesters for M.Tech.– Wireless Communications programme under Full-Time (Regulation 2022).

### **Notes:**

The Board of Studies of Department of Electronics and Communication Engineering recommended the Curriculum & Syllabi from I to IV Semesters for M.Tech.-Wireless Communications (Regulation 2022). Curriculum is in line with AICTE guidelines 2018 with 26% of revision from previous syllabus. The syllabus revision is 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.

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

1. MIMO Communication
2. Millimeter Wave Wireless Communications
3. Modern Radar communication
4. Advanced Technologies in Wireless Networks

The matter is placed before the Academic Council for approval.

### **Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi from I to IV semesters for M.Tech.– Wireless Communications programme under Full-Time (Regulation 2022).

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**FET  
B.Tech.-  
EEE  
40.3.7**

**TO CONSIDER AND 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) 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	VII	Mini Project	0	0	5	5	10
		Total	12	1	7	20	27

### 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	VII	Mini Project	0	0	5	5	10
		Total	12	2	6	20	26

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.

## 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 B.Tech.-Mech 40.3.9** **TO CONSIDER AND APPROVE** the curriculum and syllabi for B.Tech. (Hons).- Mechanical Engineering with specialization in a) Robotics and 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	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
Total			5	0	10	20	35

### 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
Total			12	1	7	20	29

The complete Curriculum and Syllabi are given in Annexure.

**Notes:**

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

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.Tech. (Hons).- Mechanical Engineering with specialization in a) Robotics and 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).

**FET  
Mech  
40.3.10**

**TO CONSIDER AND APPROVE** the introduction of new Open Elective course offered by the Department of Mechanical Engineering for other department students.

Course Code	Course Title	L	T	P	C	H
XMEOE04	Energy Studies	3	0	0	3	3

**Notes:**

The Board of Studies of Department of Mechanical Engineering recommended the Open Elective course and its syllabus.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the introduction of new Open Elective course offered by the Department of Mechanical Engineering for other department students.

**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

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
Total				5	0	15	20	35

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
			Total	5	0	15	20	35

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).

**DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS**

**FCSE  
B.Sc.-  
Data  
Science  
40.4.2**

**TO CONSIDER AND 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).

**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.

**FCSE  
BCA  
40.4.3**

**TO CONSIDER AND APPROVE** the revision in Curriculum and Syllabi for BCA Programme under Full Time (Regulation 2021, Revision 1).

Notes:

The Board of Studies of the Department of Computer Science and Applications pertaining to BCA programme recommended a few revisions in the Curriculum and Syllabi under Full Time (Regulation 2021, Revision 1) for the students admitted from the academic year 2022-23.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the revision in Curriculum and Syllabi for BCA Programme under Full Time (Regulation 2021, Revision 1).

**DEPARTMENT OF SOFTWARE ENGINEERING**

**FCSE  
B.Sc.- AI  
40.4.4**

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

**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.

**FCSE  
B.Sc.- CS  
40.4.5**

**TO CONSIDER AND APPROVE** the revision in Curriculum and Syllabi for B.Sc. Computer Science Programme under Full Time (Regulation 2020).

**Notes:**

The Board of Studies of the Department of Software Engineering pertaining to B.Sc. Computer Science programme recommended the curriculum under

Full Time (Regulation 2020, Revision 1) for the students admitted from the academic year 2022-23.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the revision in Curriculum and Syllabi for B.Sc. Computer Science Programme under Full Time (Regulation 2020).

**FCSE  
B.Sc.- A&M  
40.4.6**

**TO CONSIDER AND APPROVE** the revision in 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 pertaining to B.Sc. Animation and Multimedia programme recommended the curriculum under Full Time (Regulation 2021, Revision 1) for the students admitted from the academic year 2022-23.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the revision in Curriculum and Syllabus for B.Sc. Animation and Multimedia Programme under Full Time (Regulation 2021).

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

**DEPARTMENT OF MANAGEMENT STUDIES**

**FHSM  
BBA  
40.5.1**

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

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 programme under Full-Time (Regulation 2022).

**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).

**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)

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).

**DEPARTMENT OF MATHEMATICS**

**FHSM  
M.Sc.-  
Maths  
40.5.4** **TO CONSIDER AND APPROVE** the Curriculum and Syllabi for I to IV Semester for M.Sc Mathematics programme (Regulation 2022) for the candidates admitted from 2022–23 onwards.

**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 2022) for the candidates admitted from 2022 –23 onwards.

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 (Regulation 2022) for the candidates admitted from 2022–23 onwards.

**FHSM  
B.Sc.-  
Maths  
40.5.5** **TO CONSIDER AND APPROVE** the Curriculum and Syllabi for I to VI Semester for B.Sc.-Mathematics programme (Regulation 2022) for the candidates admitted from 2022–23.

**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 2022) for the candidates admitted from 2022-23.

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.-Mathematics programme (Regulation 2022) for the candidates admitted from 2022–23.

**FHSM  
Maths  
40.5.6**

**TO CONSIDER AND APPROVE** the list of Value Added Courses to be offered by the department in the academic year 2022-23.:

1. Quicker Mathematics
2. C++
3. LaTeX
4. Python Programming
5. Matlab
6. SAP

**Notes:**

The Board of Studies of Department of Mathematics recommended the above list of Value Added Courses (Regulation 2022).

The matter is placed before the Academic Council for Approval.

**Resolution**

**RESOLVED TO APPROVE** the above list of Value Added Courses.

**DEPARTMENT OF COMMERCE**

**FHSM  
B.Com.-  
Hons  
40.5.7**

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

**Notes:**

The Board of Studies of Department of Commerce recommended the Curriculum and Syllabi for I to VI Semester B.Com (Hons) under Full-Time (Regulation 2022).

The matter is placed before the Academic Council for approval.

**Resolution**

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

**FHSM  
B.Com.  
40.5.8**

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

**Notes:**

The Board of Studies of Department of Commerce recommended the Curriculum and Syllabi from I to VI Semester for B.Com under Full-Time (Regulation 2022).

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).

**FHSM  
B.Com.-  
CS  
40.5.9**

**TO CONSIDER AND APPROVE** the revision in Curriculum and Syllabi for B.Com.-Corporate Secretaryship Programme under Full-Time (Regulation 2020, Revision- 1).

**Notes:**

The Board of Studies of Department of Commerce recommended the revision in the Curriculum and Syllabi for B.Com.-Corporate Secretaryship Programme under Full-Time (Regulation 2020, Revision 1) for the students admitted from the academic year 2022-23.

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 2020, Revision- 1).

**FHSM  
B.Com.-  
CA  
40.5.10**

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

**Notes:**

The Board of Studies of Department of Commerce recommended the revision in the Curriculum and Syllabi for B.Com.-Computer Applications Programme

under Full-Time (Regulation 2021, Revision I) for the students admitted during the academic year 2022-23.

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- I).

**DEPARTMENT OF LANGUAGES**

**FHSM  
BA.-  
English  
40.5.11**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi of B.A.-English from I to VI Semester under Full-Time (Regulation 2021, Revision II).

**Notes:**

The Board of Studies of the Department of Languages recommended the Curriculum and syllabi for B.A.-English offered from the academic year 2022-23 (Regulation 2021, Revision II).

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi of B.A.-English from I to VI Semester under Full-Time (Regulation 2021, Revision II).

**FHSM  
MA.-  
English  
40.5.12**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for M.A.-English from I to IV Semester under Full-Time programme (Regulation 2021, Revision II).

**Notes:**

The Board of Studies of the Department of Languages recommended the Curriculum and syllabi for M.A.-English offered from the academic year 2022-23 (Regulation 2021, Revision II).

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for M.A.-English programme from I to IV Semester under Full-Time (Regulation 2021, Revision II).

**FHSM  
BA.-  
English  
40.5.13**

**TO CONSIDER AND APPROVE** renaming the General English courses offered in I and II Semester under Full-Time (Regulation 2021).

**Notes:**

The Board of studies of the Department of Languages recommended to rename the following courses:

Sl. No	Existing Course code & Title	Renamed Course Code & Title
1.	XGL 101 Basic English Communication Skills	XGE102 English – I
2.	XGL 201 Advanced English Communication Skills	XGE202 English – II

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** renaming the course paper General English offered in I and II Semester under Full-Time programme (Regulation 2021).

**FHSM  
BA.-Tamil  
40.5.14**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for B.A.-Tamil programme for I to VI Semester under Full-Time (Regulation 2022).

**Notes:**

The Board of studies of the Department of Languages recommended the Curriculum and Syllabi for B.A.-Tamil offered from the academic year 2022-23 (Regulation 2022).

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for B.A.-Tamil programme for I to VI Semester under Full-Time (Regulation 2022).

**FHSM  
BA.-Tamil  
40.5.15**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for General Tamil I & General Tamil II offered in Semester I & II and the Foundational Tamil I & Foundation Tamil II offered to U.G degree programmes (Regulation 2022).

**Notes:**

The Board of studies of the Department of Languages recommended the Curriculum and Syllabi for General Tamil I, General Tamil II, Foundational Tamil I & Foundational Tamil II to be offered for the first year U.G degree programmes (Excluding B.Tech, B.Sc B.Ed & B.Arch). Foundational Tamil I & Foundational Tamil II are offered, instead of General Tamil I & General Tamil II for the students who didn't choose Tamil as Part I in their Higher Secondary classes, from the academic year 2022-23 (Regulation 2022).

The matter is placed before the Academic Council for approval.

**Dr. P.K.Srividhya, Registrar suggested to consider other foreign languages like French and German either in offline or online mode.**

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabus for General Tamil I & General Tamil II, offered in Semester I & II and the Foundational Tamil I & Foundational Tamil II (Regulation 2022).

**FHSM  
B.A.-JMC  
40.5.16**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabus for B.A.- Journalism and Mass Communication programme from I to VI Semester under Full-Time (Regulation 2022).

**Notes:**

The Board of studies of the Department of Languages recommended the Curriculum and Syllabi for B.A.-Journalism and Mass Communication offered from the academic year 2022-23 (Regulation 2022).

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabus for B.A.-Journalism and Mass Communication programme from I to VI Semester under Full-Time p (Regulation 2022).

## DEPARTMENT OF POLITICAL SCIENCE

**FHSM  
MA.-PS  
40.5.17**

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for M.A.-Political Science from I to IV Semester under Full-Time programme (Regulation 2021, Revision 1).

### Notes:

The Board of studies of the Department of Political Science recommended the Curriculum and Syllabi for M.A.-Political Science offered from the academic year 2022-23 (Regulation 2021, Revision-I) and also recommended the following Core courses & Elective courses.

SI.No	Core courses	Offered in Semester
1	Introduction to Political Science	I
2	Constitution of India	I
3	Principles of Public Administration	II
4	Political Ideology	III
5	Issues in Indian Politics	III
6	Comparative Politics	IV
7	International Politics and Foreign Policy	IV

SI. No	Elective courses	Offered in Semester
1	a) Political Sociology b) Political Economy c) Legislative Procedures d) Constitutional Development in India Since 18 <sup>th</sup> Century	I
2	a) Gender issues and Development b) Public Policy Analysis c) Development Administration	II
3	a) Human Rights –Concepts and Principles b) Comparative Public Administration c) Financial Administration	III

The matter is placed before the Academic Council for approval.

### Resolution

**RESOLVED TO APPROVE** the Curriculum and Syllabi for M.A.-Political Science programme from I to IV Semester under Full-Time (Regulation 2021, Revision 1).

**FHSM  
MA.-PS  
40.5.18**

**TO CONSIDER AND APPROVE** the revised syllabus and interchange in the offering semester of Core Courses for M.A.-Political Science programme.

**Notes:**

The Board of Studies of the Department of Political Science recommended the interchanging of the Core courses offered semesters in the Curriculum for M.A.-Political Science from the Academic Year 2022-23 (Regulation 2021, Revision-I).

Sl.No	Courses	Offered in Semester	Proposed to be offered in Semester
1	Local Government in India	III	I
2	Modern Political Analysis	I	III
3	Administrative Theory	IV	II
4	Indian Administration	I	IV

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the revised syllabus and interchange in the offering semesters of Core courses for M.A.-Political Science programme under Full-Time.

**FHSM  
MA.-PS  
40.5.19**

**TO CONSIDER AND APPROVE** the changing and combining of the Core courses for the M.A.-Political Science programme.

**Notes:**

The Board of Studies of the Department of Political Science recommended to change the title of the paper “ Western Political Thought II ” as “ Western Political Thought ” and also combined “ Indian Political Thought I and Indian Political Thought II ” as one paper to be offered in the I semester as “Indian Political Thought ” in the Curriculum and Syllabi of M.A.-Political Science (Regulation 2021, Revision 1: full time).

Sl. No	Present Title	Proposed Title
1	Western Political Thought II	Western Political Thought
2	Indian Political Thought I & Indian Political Thought II	Indian Political Thought

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the changing and combining of the Core courses for the M.A.-Political Science programme.

**DEPARTMENT OF CHEMISTRY**

**FHSM  
B.Sc.-  
Chemistry**  
40.5.20

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi from I to VI Semester for B.Sc. Chemistry programme (Regulation 2022) under full time for the candidates admitted from 2022–23 onwards.

**Notes:**

The Board of Studies of Department of Chemistry recommended the Curriculum and Syllabi from I to VI Semester for B.Sc Chemistry programme under Full time (Regulation 2022) for the candidates admitted from 2022-23 onwards.

The matter is placed before the Academic Council for approval.

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi from I to VI Semester for B.Sc. Chemistry programme (Regulation 2022) under full time for the candidates admitted from 2022–23 onwards.

**FHSM  
M.Sc.-  
Chemistry**  
40.5.21

**TO CONSIDER AND APPROVE** the Curriculum and Syllabi for I to IV Semester for M.Sc Chemistry programme (Regulation 2022) under full time for the candidates admitted from 2022–23 onwards - Reg.

**Notes:**

The Board of Studies of Department of Chemistry recommended the Curriculum and Syllabi for I to IV Semester for M.Sc. Chemistry programme (Regulation 2022) under full time for the candidates admitted from 2022 –23 onwards.

The matter is placed before the Academic Council for Approval.

**FHSM  
Chemistry  
40.5.22**

**Resolution**

**RESOLVED TO APPROVE** the Curriculum and Syllabi for I to IV Semester for M.Sc Chemistry programme (Regulation 2022) under full time for the candidates admitted from 2022–23 onwards.

**TO CONSIDER AND APPROVE** the Syllabus of the open elective course (Regulation 2022) - Reg.

**Notes:**

The Board of Studies of Department of Chemistry recommended the Syllabus of open elective course (Regulation 2022).

Sl. No	COURSE CODE	COURSE
1	XCYOE2:	PHARMACEUTICAL CHEMISTRY

The matter is placed before the Academic Council for Approval.

**Dr. P.K.Srividhya, Registrar suggested to offer the open elective offered by the Department of Chemistry as Core course as the knowledge of basic chemistry is a prerequisite and hence other department students may not be able to choose Pharmaceutical Chemistry as open elective.**

**Resolution**

**RESOLVED TO APPROVE** the Syllabus of Pharmaceutical Chemistry proposed as open elective and the suggestion raised in the meeting will be placed in Board of Studies.

**FHSM  
Chemistry  
40.5.23**

**TO CONSIDER AND APPROVE** the Syllabus of the Allied Chemistry course (Regulation 2022) - Reg.

**Notes:**

The Board of Studies of Department of Chemistry recommended the syllabus of the Allied Chemistry course (Regulation 2022).

The matter is placed before the Academic Council for Approval.

**Resolution**

**RESOLVED TO APPROVE** the Syllabus of the Allied Chemistry course (Regulation 2022).

**FHSM  
Chemistry  
40.5.24**

**TO CONSIDER AND APPROVE** the Syllabus of the Applied Chemistry theory and laboratory courses (Regulation 2022) for the candidates admitted from 2022–23 onwards - Reg.

**Notes:**

The Board of Studies of Department of Chemistry recommended Syllabus of the Applied Chemistry theory and laboratory courses (Regulation 2022) for the candidates admitted from 2022 –23 onwards.

The matter is placed before the Academic Council for Approval.

**Resolution**

**RESOLVED TO APPROVE** the Syllabus of the Applied Chemistry theory and laboratory courses (Regulation 2022) for the candidates admitted from 2022–23 onwards.

**DEPARTMENT OF PHYSICS**

**FHSM  
B.Sc.-  
Physics  
40.5.25**

**TO CONSIDER AND APPROVE** the revised curriculum and syllabi for B.Sc.- Physics programme under Full Time (Regulation 2021, Revision 1).

**Notes:**

The Board of Studies of the Department of Physics recommended the change in Curriculum & Syllabi from I to VI Semesters for B.Sc.-Physics programme under Full Time (Regulation 2021, Revision 1) to be offered from the academic year 2022-23.

The matter is placed before the Academic Council for Approval.

**Resolution**

**RESOLVED TO APPROVE** the revised curriculum and syllabi for B.Sc.- Physics programme under Full Time (Regulation 2021, Revision 1).

**FHSM  
M.Sc.-  
Physics  
40.5.26**

**TO CONSIDER AND APPROVE** the revised curriculum and syllabi for M.Sc.- Physics programme under Full-Time (Regulation 2021, Revision 1).

**Notes:**

The Board of Studies of the Department of Physics recommended the change in curriculum and syllabi from I to IV Semesters for M.Sc.-Physics

programme under Full-Time (Regulation 2021, Revision 1) to be offered from the academic year 2022-23.

The theory courses offered in Semester IV are to be offered in Semester II and III, as given below;

S.No	Course	Regulation 2021	Revision 1
1	Atomic and Molecular Spectroscopy	IV Semester	II Semester
2	Nuclear and Particle Physics	IV Semester	III Semester

The matter is placed before the Academic Council for Approval.

#### **Resolution**

**RESOLVED TO APPROVE** the revised curriculum and syllabi for M.Sc.- Physics programme under Full-Time (Regulation 2021, Revision 1).

**FHSM  
B.Sc.-  
Physics  
40.5.27**

**TO CONSIDER AND APPROVE** the syllabi of Allied Physics Theory I & Allied Physics Theory II and Allied Physics Laboratory I & Allied Physics Laboratory II for B.Sc. (Mathematics) and B.Sc.(Chemistry) Programmes & Syllabi for Ancillary Physics Theory and Ancillary Physics Laboratory for B.Sc. (Computer Science) programme from the academic year 2022 – 23 onwards.

#### **Notes:**

The Board of Studies of Department of Physics recommended the Allied Physics Theory I & Allied Physics Theory II and Allied Physics Laboratory I & Allied Physics Laboratory II for B.Sc. (Mathematics) and B.Sc. (Chemistry) Programmes & Syllabi for Ancillary Physics Theory and Ancillary Physics Laboratory for B.Sc (Computer Science) programme from the academic year 2022 – 23 onwards.

The matter is placed before the Academic Council for Approval.

#### **Resolution**

**RESOLVED TO APPROVE** the syllabus of Allied Physics Theory I & Allied Physics Theory II and Allied Physics Laboratory I & Allied Physics Laboratory II for B.Sc. (Mathematics) and B.Sc. (Chemistry) Programme &

Syllabi for Ancillary Physics Theory and Ancillary Physics Laboratory for B.Sc. (Computer Science) programme from the academic year 2022 – 23 onwards.

## 6. BUSINESS BROUGHT FORWARD BY DEAN RESEARCH

**Dean  
Research  
40.6.1**

**TO INFORM AND RECORD** the 2<sup>nd</sup> slot Ph.D. Admission 2021-22.

### **Notes:**

The details of admissions made for 2<sup>nd</sup> slot Ph.D. Admission 2021-22:

Full-Time: 1

Part-Time: 7

The matter is placed before the Academic Council for Information and Record.

### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the 2<sup>nd</sup> slot Ph.D. Admission 2021-22.

**Dean  
Research  
40.6.2**

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

### **Notes:**

Three (3) Research scholars who have completed their Public *Viva voce* Examination between February 2022 and May 2022 are listed below:

<b>Sl. No</b>	<b>Name of the candidate / Reg. No</b>	<b>Department</b>	<b>Date of Public Viva voce</b>	<b>Thesis Title</b>
1	Ms.R.Sivagami / 217011865037	Management Studies	09.03.2022	Knowledge Management of Teaching Professionals in Schools in Thanjavur City
2	Ms.D.Thayalnayahi/ 211011853006	Civil Engineering	23.3.2022	Quantification, Characterization, Leachate analysis and Assessment of ground water pollution near municipal Solid waste landfill – A Case Study
3	Ms. Shruthi. M / 116011752019	Biotechnology	25.05.2022	Development of Targeted Nano Drug Delivery System Loaded With Naringenin And Its Derivative For Breast Cancer Cells

The matter is placed before the Academic Council for Information and Record.

## Resolution

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

Dean  
Research  
40.6.3

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

### Notes:

Two (2) research scholars has received thesis evaluation Report and waiting for public *Viva voce* examination.

Sl. No	Name / Department / Reg.No.	Date of Report Received	Title of the Thesis
1	Mr.AR.Raghavan / Civil / 213012853013	22.02.2022	Surveillance of Groundwater quality in Thanjavur block and Development of Household level Iron Removal System
2	Mr.G.Saravana Perumal/ Biotechnology / 217012852026	30.03.2022	Age appropriate Novel Oral Dosage From Design of a Third Generation Cephalosporin

The matter is placed before the Academic Council for Information and Record.

## Resolution

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

Dean  
Research  
40.6.4

**TO INFORM AND RECORD** the List of Ph.D Theses submitted

### Notes:

Three (3) Research scholars have submitted their Ph.D theses

Sl. No	Name / Department / Reg.No.	Date of Submission	Title of the Thesis
1	Mr.G.Saravana Perumal / Biotechnology / 217012852026	09.04.2022	Age appropriate Novel Oral Dosage From Design of a Third Generation Cephalosporin
2	Ms.Anupa Kattil Prabhakaran / Management Studies / 217011865036	13.05.2022	Impact of Occupational Stress and Work Life Balance on Job Satisfaction of Bank Employees in Kozhikode District
3	Ms.C.Rajanandhini / ECE / 212011856014	30.05.2022	Performance Analysis of ICA based Carrier frequency offset estimation for Multiband OFDM based UWB systems

The matter is placed before the Academic Council for Information and Record.

**Resolution**

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

**Dean  
Research  
40.6.5**

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

**Notes:**

Based on Research Advisory Committee recommendations Six (6) registered research scholars have been granted extension of time up to one year.

Sl. No	Register No	Name	Department	Duration of extension	Date of completion of research programme	Extension up to
1	214012860015	Mr.A.Syed Bava Bakkrudeen	Mechanical	One year	18.09.2021	17.09.2022
2	112012757001	Mr.M.Vivek	EEE	9 months	18.09.2021	17.06.2022
3	214012856020	Mr.R.Karthick	ECE	One year	23.09.2021	22.09.2022
4	115012755006	Mr.M.Muralidharan	CSA	One year	10.10.2021	09.10.2022
5	212011856014	Ms.C.Rajanandhini	ECE	Six months	16.09.2021	30.06.2022
6	213011854021	Ms.S.Manjula	CSE	One year	17.09.2021	16.09.2022

The matter is placed before the Academic Council for Information and Record.

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the Extension time granted to Research scholars six (6) members.

**Dean  
Research  
40.6.6**

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

As on 30<sup>th</sup> June 2022, **652** number of articles published in Scopus Indexed journals

In the year 2022: **22 Publications**

From February 2022 to June 2022: **16 Publications**

The matter is placed before the Academic Council for Information and Record.

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the Scopus Indexed Publications.

**Dean  
Research  
40.6.7**

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

<b>Sl. No</b>	<b>Name of the Industry and Institution</b>	<b>Objectives / Scope / Major activities</b>	<b>MoU Date</b>	<b>Validity</b>
1	Bon Secours College for Women, Thanjavur	<ul style="list-style-type: none"> <li>➤ Exchange of knowledge and expertise</li> <li>➤ Exchange of Students – Training / Internship / Projects</li> <li>➤ Exchange of Faculty- Collaborative programmes</li> </ul>	11.02.2022	3 Years
2	Saveetha Institute of Medical And Technical Sciences (SIMATS), Chennai	<ul style="list-style-type: none"> <li>➤ Collaboration in Academic and Research activities</li> </ul>	21.02.2022	5 Years
3	Vels Institute of Science, Technology & Advanced Studies (VISTAS), Chennai	<ul style="list-style-type: none"> <li>➤ Guest lecture</li> <li>➤ Training of Students</li> </ul>	14.02.2022	3 Years
4	Tamil University, Thanjavur	<ul style="list-style-type: none"> <li>➤ Collaboration in Academic and Research activities</li> </ul>	9.3.2022	5 Years
5	M/S. Infinity PMC Solutions PVT. LTD, Chennai	<ul style="list-style-type: none"> <li>➤ Enhance the students skills and knowledge</li> <li>➤ Industry and Institution Interaction in the latest developments and requirements of the industry.</li> <li>➤ skill based training, Education and Training.</li> </ul>	21.04.2022	5 Years
6	Indian National Trust for Art & Cultural Heritage (INTACH), Thanjavur Chapter	<ul style="list-style-type: none"> <li>➤ To create &amp; simulate awareness among the students &amp; public for the preservation of the cultural &amp; natural heritage of Thanjavur.</li> <li>➤ To undertake documentation of the cultural and natural heritage</li> <li>➤ To undertake pilot conservation projects., etc...</li> </ul>	30.4.2022	3 Years

7	Miles Education Private Limited, Hyderabad	<ul style="list-style-type: none"> <li>➤ Exchange of academic and administrative staff and students</li> <li>➤ Extension of students learning opportunities</li> <li>➤ Miles offering &amp; support for B.Com (CMA Integrated)</li> <li>➤ Miles conducting coaching classes for CMA &amp; support (Add-On)</li> <li>➤ Exchange of academic Materials</li> </ul>	20.05.2022	3 Years
8	CADD Centre, Thanjavur	<ul style="list-style-type: none"> <li>➤ Exchange of information on research and education programmes</li> <li>➤ Joint Proposals and engagement in research and training programmes sponsored by funding agencies</li> <li>➤ Mutual training programmes for faculty and industrial personnel</li> <li>➤ Placements of candidates with required qualifications and skill sets</li> <li>➤ Project works /Internships</li> </ul>	02.06.2022	3 Years

The matter is placed before the Academic Council for Information and Record.

### **Resolution**

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

**Dean  
Research  
40.6.8**

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

Sl. No	Name(s) of the innovators	Patent Number / Design Applications	Title of the IPR	Remarks
1	Dr.K.Geetha AP / Nanotechnology Division-Department of ECE	202241005194 A	A Process of Preparation of Nanomineral Supplement Oral Dispersible Film for Augmenting Productivity in Cattle and Product Thereof	Filed Date: 31.01.2022 Publication: 11.02.2022

Sl. No	Name(s) of the innovators	Patent Number / Design Applications	Title of the IPR	Remarks
2	Applicant: Periyar Maniammai Institute of Science and Technology Inventors: Dr.C.Narmadha Dr.V.Hamsadhwani Mr.J.Kesavan Mr.I Karthic Subramaniam Mr.R.Rakesh Mr.U.Saravanakumar	202241005964A	Smart Factory Automation with PLC and SCADA configurations	Filed Date: 03.02.2022 Publication: 11.02.2022
3	Dr.N,Muruganantham Associate Professor / EEE	202241010064 A	Design and Implementation of E-Vehicle Charging Station using Solar with IOT	Filed Date: 24.02.2022 Publication: 04.03.2022
4	Dr.R.Arumugam, AP- CSA Ms.M.Rajathi, AP- Software Eng. Ms.S.Manjula, AP, Software Eng.	202241019884 A	A Model to Predict Vital Sign using Machine Learning	Filed Date: 1/4/2022 Publication: 22/4/2022
5	Mr.R.Rakesh Dr. V. Violet Juli Dr. C.Narmadha Dr. S.Janani Mr. U.Saravana Kumar Ms. C.Rajanandhini Mr.N.Shivakumar Mr. A. Pugazhenthir Ms. M. Swetha Ms. M. Sathya Mr. S.Sarath Kumar (student) Mr. S.Ramya (student)	202241025094	Electric Pole Climbing Bot	Filed Date: 28.4.2022 Waiting for publication
6	Dr. S.Janani, Asso. Prof / ECE	202241025600 A	Management Information System in E- Commerce using Block Chain Technology	Filed Date: 2.5.2022 Publication: 13.5.2022
7	Dr.M.Sharmila Begum, Associate Professor, CSE	202241020829	Headset-Wearable and Modular Device for Hybrid Brain-Computer Interface	Filed Date: 07.04.2022
8	Dr.B.Anupriya Associate Professor, Civil	202241004392	A Technical physical assessment of the structural steel manufacture for improving the performance	Filed Date: 27.01.2022
9	Dr.A.Muthamiz Selvan Associate Professor, CSA	202241030064A	Self Diagnosis of Liver Disease Symptoms using Machine Learning	Filed Date: 25.5.2022 Publication: 3.6.2022

The matter is placed before the Academic Council for Information and Record.

## Resolution

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

**Dean  
Research  
40.6.9**

**TO INFORM AND RECORD** the Recognition of Research Supervisors Based on the Research Advisory Committee; Two (2) faculty members have been issued orders to guide Ph.D. Research scholars.

### Notes:

Based on Research Advisory Committee Recommendation Two (2) faculty members have been given order to guide Ph.D Research scholars.

Sl. No	Name / Designation	Department	Recognition No
1	Dr.R.Balakumar, Assistant Professor	Mathematics	00.15.14.22
2	Dr.S.Janani, Associate Professor	ECE	00.05.26.22

The matter is placed before the Academic Council for Information and Record.

## Resolution

**RESOLVED TO TAKE INTO RECORD** the Recognition of Research Supervisors Based on the Research Advisory Committee; Two (2) faculty members have been issued orders to guide Ph.D. Research scholars.

**Dean  
Research  
40.6.10**

**TO INFORM AND RECORD** the list of our faculty members availed the Seed money.

Sl. No.	Name of the Faculty	Department	Amount (INR)
1	Dr. AnandJerard Sebastine	Social Work	<u>10,000</u>
2	Dr. J. Sathyapriya	Management Studies	<u>25,000</u>
3	Dr.A.Ravikumar	Chemistry	<u>10,000</u>
4	Dr. K. Lakshmi	CSE	<u>37,000</u>
5	Dr.K.Selvam	English	<u>25,000</u>
6	Dr.K.Kesavan	Physics	<u>23,000</u>
7	Dr.P.Gayathri	Physics	<u>20,000</u>
8	Dr.K.Geetha	Nanotechnology	<u>26,000</u>
Total			<u>1,76,000</u>

The matter is placed before the Academic Council for Information and Record.

**Dr.P.K.Srividhya, Registrar suggested to mention the year and period for sanctioning Seed Money and the completion status in the notes**

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the list of our faculty members availed the Seed money.

**Dean  
Research  
40.6.11**

**TO INFORM AND RECORD** the list of faculty members received Students Grant form TNSCST.

Sl. No	Title	Name of the faculty	Department	Funding Agency	Amount (Lakhs)
1	Sewer clogging prediction system based on machine learning by using IOT	Dr.V.Hamsadhwani/ Associate Professor	EEE	TNSCST	7,500
2	Development of cost effective and sustainable neo-bioplasic from algal biomass	Dr.B.Nazeema Banu / Assistant Professor	Biotechnology	TNSCST	7,500
3	Production of food colors by monascus purpureus using food waste	Dr.K.Anbarasu / Assistant Professor	Biotechnology	TNSCST	7,500
4	Prevention of fake food and adulteration using electronic product code (EC) and machine learning based blk chain technology	Dr.A.E.Narayanan / Associate Professor	CSE	TNSCST	7,500
5	Effect of recycled aggregates in alkali activated dumble shape paver blocks using fly ash	Mr.G.Thirumalmurugan / Assistant Professor	Civil	TNSCST	7,500
6	Impacts of prolonged usage of mask on oxygen level of a teacher community, Asurvey for novel alternate mask	Dr.S.Gomathi / Assistant Professor	Chemistry	TNSCST	7,500
7	Development of a compact fabric shredder machine	Dr.P.K.Srividhya / Professor	Mechanical	TNSCST	7,500

The matter is placed before the Academic Council for Information and Record.

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the list of faculty members received Students Grant form TNSCST.

**Dean  
Research  
40.6.12**

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

Three (3) Book / Chapter in Book have published by faculty

1. Dr.P.K.Srividya, Registrar and C.M.Vivek Asst. Prof. Mechanical authored Manuscript titled "Sustainability and the Industrial Revolution", was accepted for publication in book project "The Palgrave Handbook of Global Sustainability" - Publisher Palgrave Macmillan - Springer Nature.
2. Ms. S. Sivapriya, Asst. Prof. /Aerospace, published a book entitled 'Numerical Analysis of Stress Concentration Factor in rectangular plate with circular hole using Ansys' in Material science, Volume 1, ISBN: 978-93-91768-58-4, Published by Bhumi Publishing.
3. Dr.M.Sharmila Begum, Associate Professor/CSE, published a book chapter titled on "A Smart Product Recommendation via Chatbot using KNN", ISBN:978-81-956262-8-1.
4. Ms.S.P.Ramya, Asst. Prof. /CSE published a book chapter titled on "Aspects Level Drug Reviews by using Back Propagation Neural Networks", ISBN:978-81-956262-8-1.
5. Mr.M.Karthick, AP / Education published a book chapter in the book entitled with "Role of E-Learning platforms in education during the pandemic" in the book of Empowering Teacher education and it's vision by - 2021 published by Shanlex publication.

The matter is placed before the Academic Council for Information and Record.

### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the Book / Chapter in Book  
Three (3) Book / Chapter in Book have published by faculty.

**Dean  
Research  
40.6.13**

**TO INFORM AND RECORD** that the Office of Dean Research and IQAC jointly organized a two days National workshop on "Demystifying the Descriptive and Inferential Statistics Employed in Data Analysis" from

26.05.2022 to 27.05.2022. Professor Pitchai Balakumar, Consulting Editor, Pharmacological Research-Elsevier & Professor of Pharmacology, Pannai College of Pharmacy, Dindigul has discussed on the following topics to the 47 persons who have attended (both internal and external participants).

**External Participants: 15**

1. Rajah Serfoji Gov College, Thanjavur – 4
2. Veterinary College and Research Institute (VCRI), Orathanadu – 3
3. AVVM Sri Pushpam College, Poondi – 5
4. Periyar College of Pharmaceutical Sciences, Trichy – 2
5. National College, Tiruchirappalli – 1

The matter is placed before the Academic Council for Information and Record.

**Resolution**

**RESOLVED TO TAKE INTO RECORD** that the Office of Dean Research and IQAC jointly organized a two days National workshop on "Demystifying the Descriptive and Inferential Statistics Employed in Data Analysis" from 26.05.2022 to 27.05.2022. Professor Pitchai Balakumar, Consulting Editor, Pharmacological Research-Elsevier & Professor of Pharmacology, Pannai College of Pharmacy, Dindigul has discussed on the following topics to the 47 persons who have attended (both internal and external participants).

**Dean  
Research  
40.6.14**

**TO INFORM AND RECORD** the Office of Dean Research and IQAC jointly organized a Three Day National workshop on "The cornerstones of the research process: Unraveling the science of scientific writing and communication" from 28th to 30th April 2022. Professor Pitchai Balakumar, Consulting Editor, Pharmacological Research-Elsevier & Professor of Pharmacology, Pannai College of Pharmacy, Dindigul discussed the following topics to the 49 persons who have attended (both internal and external participants).

**The Key topics Discussed in this workshop are as follows:**

- Cornerstones of the research process

- Constructing a successful literature search and review using different databases and search engines.
- PubMed/Medline and Scopus search.
- Impact Factor, CiteScore, h-index (Author & Institution), hm-index, h5-index, Citations, Self-citations, Field-Weighted Citation Impact, and Citation benchmarking.
- Practical session on basic statistical analysis (Student's t-test, ANOVA, Post- hoc Tukey's multiple comparison test, Dunnett's multiple comparison test, and Bonferroni multiple comparison test, etc.).
- Art and science of scientific writing: Effectively writing the components of a Research Paper/Thesis, including Title, Abstract, Introduction, Results, Discussion and Conclusion sections.
- Harvard and Vancouver Referencing styles (AMA, APA, MLA, NLM styles).
- Web of Science, ISI, SCI, SCIE, SSCI, ESCI, Journal Citation Reports-JCR, Clarivate analytics Journal Impact Factor (current), and Selection of a scientific Journal.
- Working with journals: Cover letter, Conflict of interest, peer reviewing, responding to reviewers, Publication process, etc.
- Ethics in scientific publications

#### **External Participants: 07**

1. Vivekananda College, Madurai – 1
2. Periyar College of Pharmaceutical Sciences, Tiruchirappalli – 2
3. Jamal Mohamed College (Autonomous) , Tiruchirappalli – 1
4. Rajah Serfoji Govt. College (Autonomous), Thanjavur – 1
5. Periyar centenary Polytechnic College, Vallam – 1
6. NIT, Trichy – 1

The matter is placed before the Academic Council for Information and Record.

### **Resolution**

**RESOLVED TO TAKE INTO RECORD** the Office of Dean Research and IQAC jointly organized a Three Day National workshop on “The cornerstones of the research process: Unraveling the science of scientific writing and communication” from 28th to 30th April 2022. Professor Pitchai Balakumar, Consulting Editor, Pharmacological Research-Elsevier & Professor of Pharmacology, Pannai College of Pharmacy, Dindigul discussed the following topics to the 49 persons who have attended (both internal and external participants).

**Dean  
Research  
40.6.15**

**TO INFORM AND RECORD** the Office of Dean Research and IQAC jointly organized a one day workshop on "Basic concepts of Scientific Research, Publication Ethics and Efficient Scientific Communication" on 28.05.2022. Professor Pitchai Balakumar, Consulting Editor, Pharmacological Research-Elsevier & Professor of Pharmacology, Pannai College of Pharmacy, Dindigul has discussed on the following topics to the 56 persons who have attended (both internal and external participants).

Dr.K.Anbarasu, AP, Biotechnology has received Post Doctoral fellowship in Chiang Mai University, Thailand.

Dr.A.Ashokkumar, Associate professor Head of the Department-Biotechnology was nominated as one of the members of the District Green Committee for Tamilnadu Pollution Control Board, Thanjavur District.

Dr.S.Kumaran, Associate Professor, Biotechnology was nominated as Member An expert in Environmental Science for Tamil Nadu Biodiversity Board, Technical Support Group (TSG), District Forest Office, Thanjavur District.

The matter is placed before the Academic Council for Information and Record.

**Resolution**

**RESOLVED TO TAKE INTO RECORD** the Office of Dean Research and IQAC jointly organized a one day workshop on "Basic concepts of Scientific Research, Publication Ethics and Efficient Scientific Communication" on 28.05.2022. Professor Pitchai Balakumar, Consulting Editor, Pharmacological Research-Elsevier & Professor of Pharmacology, Pannai College of Pharmacy, Dindigul has discussed on the following topics to the 56 persons who have attended (both internal and external participants).

**Dean  
Research  
40.6.16**

**TO CONSIDER AND APPROVE** the drafted PMIST Startup and Innovation Policy.

**Notes:**

The Government of India had taken initiative to nurture the spirit of innovation and entrepreneurship among the academic institutions and convert these into products/processes/services for commercial exploitation. There are specific policy guidelines such as the National Innovation and Startup Policy, National IPR (Intellectual Property Rights) Policy and Science, Innovation and Technology Policy providing the direction to achieve the goals.

Periyar Maniammai Institute of Science & Technology (PMIST) has appraised these policies, discussed with faculty, staff, alumni and students and decided to adopt them with some minor refinements to support its specific context. This document outlines the key elements of the Innovation and Startup Policy of the institute.

The matter is placed before the Academic Council for Approval.

**Resolution**

**RESOLVED TO APPROVE** PMIST Startup and Innovation Policy.

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

- **Dr.P.K.Srividhya, Registrar asked Dean Research to elaborate the start up policy highlights to the members.**
- **Dr. S. Kumaran, Dean Research explained the significance of startup policy and pointed out that Periyar TBI is not providing any seed money, however it provides facilities to the entrepreneurs.**
- **Dr. V. Sangeetha, External Member asked whether Government is providing any fund for the TBI. Dr. Kumaran, Dean Research replied that no such funding is provided. Then she suggested finding out the opportunities with Government for funding.**
- **Dr.P.K.Srividhya, Registrar informed that start ups are encouraged from students and faculty members. Institution Innovation Council is motivating the students to become Entrepreneurs. And also suggested to inform how many startups and incubations are uploaded every year in the agenda.**
- **Dr.M.A.Sikandar, External Member asked whether the Start up policy is prepared in line with NISP guidelines of AICTE.**
- **Dean Research informed that the policy is to encourage students and faculty for their own startups.**
- **Dr.M.A.Sikandar, External Member asked whether any guidelines prescribed for research scholars regarding publications in SCOPUS Indexed Journals.**
- **Dean Research informed that each scholar has to publish 2 papers in SCOPUS Indexed Journals during their course of research for submitting their thesis.**

- Dr.S.Ashokan, Controller of Examinations suggested to withdraw the minimum requirement 65% of attendance for appearing in CIA Tests. Hon'ble Chairperson informed that the suggestion may be placed in the Deans Meeting for discussion and arrive at a decision.
- Dr. P.K.Srividhya, Registrar informed that PMIST has attained 2.96 points with B++ Grade in the NAAC Accreditation.
- Also informed the establishment of Centre for Human Resource and Development at PMIST for which Dr. J. Sathiyapriya will be the Director for the Centre taking care of all Faculty Development Programmes.
- Also recorded the teaching staff availability and requirements details as follows:

Positions	Required	Existing	Shortage
Professor	33	16	17
Associate Professor	71	35	36
Assistant Professor	260	172	88

- Interviews are being conducted in order to fill the shortage in staff requirement in all the Departments. Also recorded the total students strength is around 6000 in the campus as on date.
- She informed the members that PMIST is going for “Green Metric World Ranking”. This will enhance working towards sustainability goal proposing to offer Sustainability Engineering and Sustainability Management as Open Electives. The Centre for Energy and Environment will be associating together for the Green Metric World Ranking process.
- Also, informed that, in order to enhance the research activities and revise the research guidelines, a Research Development Council will be constituted.

- **Dr. A. George, Dean Academic** informed that the Department of Management Studies is offering “ Supply Chain Management ” and “ Retailing ” as Open Electives as recommended by the Board of Studies of Department of Management Studies. Further he informed the changes in the syllabi of UMAN courses “Environmental Sciences” and “ Introduction to Entrepreneurship Management” as recommended by the Board of Studies of Departments of Management Studies and Chemistry respectively.
- **Dr. P.K.Srividhya, Registrar** informed all Heads to record the Regulation which the respective programme is following for the current academic year.
- **Dr. V. Sangeetha, External Member** appreciated the academic activities held in the campus, in particular **Dr.K.Anbarasu, Dr.A.Ashok Kumar** and **Dr.S.Kumaran** for their contribution, and faculty members who published patents. Also, she suggested to concentrate more on extension activities.
- **Dr.P.K.Srividhya, Registrar** proposed vote of thanks. She thanked all the External and Internal members for their active participation in the Academic council meeting.

**REGISTRAR**  
**Secretary, Academic Council**