



MINUTES OF THE THIRTY SEVENTH MEETING OF THE ACADEMIC COUNCIL

Date : 15.05.2021

Venue: Through Online

Time : 10.30 A.M

Place : PMIST,Vallam – Thanjavur

The Thirty Seventh meeting of the Academic Council of the Periyar Maniammai Institute of Science & Technology (PMIST), Vallam, Thanjavur held on 15.05.2021 at 10.30 a.m. through Zoom Meet.

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

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

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|--------------------------------|--------|
| 1. Dr.A.Anand Jerard Sebastine | Member |
| 2. Mr.S.Arumugam | Member |
| 3. Dr.A.P.Aruna | Member |
| 4. Dr.P.Aruna | Member |
| 5. Dr.A.Ashok Kumar | Member |
| 6. Dr.S.Asokan | Member |
| 7. Dr.S.Devadoss | Member |
| 8. Dr.A.George | Member |
| 9. Dr.S.Gomathi | Member |
| 10. Dr.D.Janaki | Member |
| 11. Dr.R.Jayanthi | Member |
| 12. Dr.N.Jayanthi | Member |
| 13. Dr.J.Jeyachidra | Member |
| 14. Dr.D.Jeyasimman | Member |
| 15. Mr.I.Karthic Subramaniayan | Member |
| 16. Ms.T.Kavitha | Member |
| 17. Dr.K.Kesavan | Member |
| 18. Dr.R.Krishnamoorthy | Member |

19.	Dr.S.P.Kulandaivel Babu	Member
20.	Dr.S.Kumaran	Member
21.	Dr.K.Lakshmi	Member
22.	Dr.K.,Mohanansundaram	Member
23.	Dr.N.Muruganantham	Member
24.	Mr.R.K.Muthuraman	Member
25.	Dr.A.E.Narayanan	Member
26.	Dr.T.Narmadha	Member
27.	Mr.R.Rakesh	Member
28.	Dr.D.Ramesh	Member
29.	Ar.N.Rameshbabu	Member
30.	Dr.V.Sangeetha	Member
31.	Dr.J.Santhosh	Member
32.	Dr.A.Sasikala	Member
33.	Dr.J.Sathyapriya	Member
34.	Dr.K.Selvakumar	Member
35.	Dr.K.Selvam	Member
36.	Dr.S.Senthamilkumar	Member
37.	Dr.M.Sharmila Begum	Member
38.	Dr.M.A.Sikandar	Member
39.	Dr.N.Srinivasan	Member
40.	Dr.P.K.Srividhya	Member
41.	Dr.V.K.Stalin	Member
42.	Dr.C.V.Subramanian	Member
43.	Suresh Sambandam	Member
44.	Mr.G.Thamilvanan	Member
45.	Dr.K.Thirumaran	Member
46.	Dr.D.Umamaheswari	Member
47.	Dr.P.Vijiayalakshmi	Member
48.	Dr.V.Violet Juli	Member

ADDRESS BY THE VICE – CHANCELLOR

Prof.S.Velusami, Hon'ble Vice-Chancellor& Chairperson of ACM welcomed all the Academic Committee members.

Dr.S.Devadoss Pro Vice Chancellor welcomed and introduced the new Academic Council member Dr.V.K.Stalin, Professor, Dept of Soil Mechanics & Foundation Engg, Anna University; Dr.K.Thirumaran, Professor, Department of Architecture, National Institute of Technology, Tiruchirappalli; Dr.V.Sangeetha, Professor & Head, Department of English, Periyar University, Salem; Dr.M.A. Sikandar, Associate Professor-Management, School of Commerce and Business Management, Maulana Azad National Urdu University, (A Central University), Hyderabad; Prof.Dr.G. Palanithurai, Dean, Students Welfare, Rajiv Gandhi Chair for Panchayati Raj Studies, Dept. of Political Science and Development Administration, The Gandhigram Rural Institute – Deemed University Gandhigram and Thiru. Suresh Sambandam, Founder & CEO, Orange Scape (Kissflow), Chennai.

Also welcomed in house members Dr.A.George, Professor/Mathematics; Dr.D.Umamaheswari, Professor/Commerce; Dr..M.Sharmila Begum, Associate Professor/CSE; Mr.G.Thamilvanan, Associate Professor /Education; Mr.S.Arumugam Assistant Professor (SS) / CSA and Ms.T.Kavitha Assistant Professor (SS) / CSE.

The Chairperson presented the academic activities organized and conducted by various departments and centers during the pandemic lockdown period.

1. BUSINESS BROUGHT FORWARD BY THE VICE-CHANCELLOR

VC 37.1.1 TO INFORM AND WELCOME the reconstituted members of the Academic Council of Periyar Maniammai Institute of Science & Technology (PMIST).

Notes:

As per 8 (a) of the constitution of this Institution, and UGC (Institutions Deemed to be Universities) Regulations, 2016 the tenure of the Academic Council Members shall be 2 years. Adhering to the regulations, new Academic Council members have been formed as follows:

Sl.No	Name of Faculty	Designation
(I) Vice-Chancellor		
1	Dr.S.Velusami	Vice-Chancellor / Chairperson
2	Dr.S.Devadoss	Pro Vice-Chancellor

(II) Dean (s) of Faculties		
Sl.No	Name of Faculty	Designation
1.	Dr.P.K.Srividhya	Dean / Academics
2.	Dr.S.Senthamilkumar	Dean / FET
3.	Dr.C.V.Subramanian	Dean / FAP
4.	Dr. J.Jeyachidra	Deani/c /FCSE& HOD / MCA
5.	Dr.P.Vijayalakshmi	Dean i/c/ FHSM
6.	Dr.S.Kumaran	Dean Research i/c

(III) HEADS OF DEPARTMENTS		
Sl.No	Name of Faculty	Department
1	Ar.N.RameshBabu	Architecture
2	Mr.R.K.Muthuraman	Aerospace Engineering
3	Dr. R.Jayanthi	Civil Engineering
4	Dr.A.E.Narayanan	Computer Science and Engineering
5	Dr.N.Muruganantham	Electrical and Electronics Engineering
6	Dr.D.Jeyasimman	Mechanical Engineering
7	Dr.P.Aruna	Software Engineering
8	Dr.S.Gomathi	Chemistry
9	Dr.K.Kesavan	Physics
10	Dr.K.Selvam	English
11	Dr.A.Sasikala	Mathematics
12	Dr.J.Sathiyapriya	Management Studies
13	Dr.K.MohanaSundaran	Education
14	Dr.N.Jayanthi	Commerce
15	Dr.K.Selvakumar	Political Science
16	Dr.A.AnandJerardSebastine	Social Work
17	Dr.D.Ramesh	Physical Education

(IV) DIRECTORS / CENTRES		
Sl.No	Name of Faculty	CENTRES
1	Dr.K.Lakshmi	Professor & Director i/c /E-Governance
2	Dr.S.P.KulandaivelBabu	Director / Centre for Students and Administrative Services (CSAS)
3	Mr.R.Rakesh	Director i/c / Centre for Institution Industry Interaction (CIII)
4	Dr.V.Violetjuli	Director i/c / Centre of Excellence for Next Generation Network (CNGN) & HOD /ECE
5	Dr.R.Krishnamurthi	Director / Dr.KalaignarM.Karunanidhi Centre for Political Science (KKCPS)
6	Dr.A.Ashokkumar	Director i/c / VeeramaniMohana Centre for Quality of Life Engineering Research (VMCQLER) & HOD/Biotech
7	Mr.I.KarthicSubramaniyan	Director i/c / Centre of Excellence for Training and Research in Automation Technologies (CETRAT)
8	Dr.D.Janaki	Director/ Periyar PURA Centre for Rural Development (PPCRD)
9	Dr.N.Srinivasan	Director / Centre for Excellence Periyar Thought (CEPT)
10	Dr.J.Santhosh	Director i/c / Centre for Energy & Environment (CEE)
11	Dr.T.Narmadha	Director i/c / Library
12	Dr.A.P.Aruna	Chief Executive Officer i/c / Periyar Technology Business Incubator (PTBI) /
13	Dr.S.Asokan	Controller of Examinations (COE)

(V) Ten Professors other than the Heads of the Departments (by rotation of seniority)		
1	Dr.A.George	Professor / Mathematics
2	Dr.D.Umamaheswari	Professor / Commerce
Other Members		
(VI) Two Associate Professors from the Departments other than the Heads of the departments (by rotation of seniority).		
1	Dr..M.Sharmila Begum	Associate Professor / CSE
2	Mr.G.Thamilvanan	Associate Professor / Education

(VII) Two Assistant Professors from the Departments (by rotation of seniority).		
1	Mr.S.Arumugam	Assistant Professor (SS) / CSA
2	Ms.T.Kavitha	Assistant Professor (SS) / CSE
(VIII) Three persons amongst Educationists of repute or persons from any other field related to the activities of the Institution Deemed to be University who are not in the service of the Institution Deemed to be University, nominated by the Vice-Chancellor.		
1	Dr.V.K.Stalin	Professor Soil Mechanics & Foundation Engg, Anna University, Chennai, Phone: 2235 7549, E-Mail id : staliniisc@yahoo.co.in
2	Dr.K.Thirumaran	Professor Department of Architecture National Institute of Technology Tiruchirappalli – 620 015. E-Mail id: ktm@nittt.edu Mobile :9894018599
3	Dr.V.Sangeetha	Professor & Head Department of English Periyar University, Salem – 636 011. Mobile: 9443146360 E-Mail id: sk19@periyaruniversity.ac.in

(XI) The following three persons are **co-opted by the Academic Council** for their specialized knowledge,

1	Dr.M.A. Sikandar	Associate Professor-Management School of Commerce and Business Management, Maulana Azad National Urdu University, (A Central University Gachibowli, Hyderabad - 500 032 Mob. 9818798949 E-Mail id: masikandar@manuu.edu.in , sika1969@gmail.com
2	Prof.Dr.G. Palanithurai	Dean, Students Welfare Rajiv Gandhi Chair for Panchayati Raj Studies Dept. of Political Science and Development Administration, The Gandhigram Rural Institute – Deemed University Gandhigram - 624 302, Dindigul District, Tamil Nadu, South India. Phone : 0451 –2452371 (O), 0451 - 2451063(R), Mobile: 09159099809,

		E-Mail Id: gpgri_hung1@rediffmail.com / gpalanithurai@gmail.com
3	Thiru. Suresh Sambandam	Founder & CEO, Orange Scape (Kissflow) Ceebros One 74, Tower 4, Floor 17, Flat 1702 Next to Leela Palace, MRC Nagar, R.A.Puram Chennai -28, Mobile: 9840293385 Mail id: suresh@kissflow.com

(X) The Registrar, who shall be the Secretary of the Academic Council

1	Dr.P.K.Srividhya	Registrar i/c
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The above information is placed before the Academic council for information and record.

Resolution

RESOLVED TO APPROVE the reconstituted members of the Academic Council of Periyar Maniammai Institute of Science & Technology (PMIST).

VC 37.1.2 TO CONSIDER AND RATIFY the course work subjects offered for the Research scholars from the academic year 2020 - 2021 under Regulations 2020.

Notes:

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

Sl. No	Department	Sub.Code	Subject Title	Credit			
				L	T	P	C
1	Mathematics	RMA015	Statistical Quality Control	1	3	0	4
2	Commerce	RCO001	Financial Markets and Emerging Business Models	3	0	0	3
3	Commerce	RCO002	Strategies for Banking Risk and Marketing Management	3	0	0	3
4	Commerce	RCO003	Behavioural and Personal Finance	3	0	0	3

5	Mechanical Engineering	RME036	Bio Energy Conversion	3	0	0	3
6		RME037	Corrosion Engineering and Testing	3	0	0	3
7		RME038	Surface Engineering	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 37.1.3 TO CONSIDER AND RATIFY Credit Framework for Online Learning Courses through Study Webs of Active Learning for Young Aspiring Minds (Regulations, 2021).

Notes:

University Grants Commission (Credit Framework for Online Learning Courses through Study Webs of Active Learning for Young Aspiring Minds) Regulations, 2021 was published at New Delhi, on 25th March, 2021. The following directions recommended by UGC are presented for approval.

- 1.a . A student is allowed only up to forty per cent of the total courses, being offered for a particular programme in a semester, through the online credit course, through SWAYAM platform.
- 1.b. The academic council may allow the Dean (Academics) to approve the online credit courses offered through SWAYAM platform for credit transfer on the recommendations of the Head of the Department.

In addition, the modifications to the present rules regarding integration of online courses are given below:

- 2.a. A student can take 20% of 40% courses as said in through other genuine online learning platforms duly approved by Dean (Academic).
- 2.b. For all MOOC courses the credits/grades will be fixed by the Head of the Department who is also the BoS chairman and approved by Dean(Academics)

- 2.c. For all type of online courses, chosen by a student, a course coordinator will be assigned and she/he shall be in-charge of the assessment and grade related entries in to the software.
- 2.d. The syllabus of the courses other than OE chosen from online should have a similarity of not less than 80% with the same course designed in the curriculum.
- 2.e. The evaluation of all other courses excluding OE will be done by the University with respect to OBE assessment pattern, a student will be allowed to take examinations for genuine reasons at PMIST for OE MOOC courses.

Supplementary exams related to the MOOC courses will be conducted by PMIST.

The above recommendations supersede the regulations related to integration of MOOC courses into credit framework given in the 22nd, 23rd and 24th Academic Council Agenda points no.VC 22.1.5 / Dated:24.10.2015, Dean Research 23.7.10 / Dated:23.04.2016 and VC 24.1.8 / Dated:24.09.2016.

The matter is placed before the Academic Council for ratification.

Resolution

RESOLVED TO RATIFY the Credit Framework for Online Learning Courses through Study Webs of Active Learning for Young Aspiring Minds (Regulations, 2021).

2. BUSINESS BROUGHT FORWARD BY DEAN (ACADEMICS)

**Dean
Academics
37.2.1**

TO CONSIDER AND APPROVE the proposed intake of various programmes offered from the Academic year 2021-22 onwards

Notes:

The proposed intake for various programmes offered for the Academic year 2021-22 are given as follows:

PROGRAMME OFFERED (2021 -22)

**FULL TIME
Architecture**

Sl.No	Programme	Duration	Intake
1.	B.Arch.	5 Years	80
2.	M.Arch.	2 Years	20
	Total		100

**Engineering Technology
UG & B.Tech Programmes**

Sl.No	Programme	Duration	Intake
1	B.Tech.-Aerospace Engineering	4 Years	60
2	B.Tech.-Biotechnology	4 Years	60
3	B.Tech.-Civil Engineering	4 Years	60
4	B.Tech.-Computer Science and Engineering	4 Years	60
5	B.Tech.-Electrical and Electronics Engineering	4 Years	60
6	B.Tech.-Electronics and Communication Engineering	4 Years	60
7	B.Tech.-Mechanical Engineering	4 Years	60
	Total		420

UG & B.Tech Lateral Programmes (Lapsed + 5% of sanctioned Intake)

Sl. No.	Programme	Duration	Intake
1	B.Tech.-Aerospace Engineering	3 Years	58
2	B.Tech.-Civil Engineering	3 Years	49
3	B.Tech.-Computer Science and Engineering	3 Years	17
4	B.Tech.-Electrical and Electronics Engineering	3 Years	57
5	B.Tech.-Electronics and Communication Engineering	3 Years	49
6	B.Tech.-Mechanical Engineering	3 Years	48
	Total		278

UG Programmes (Part-Time)

Sl. No.	Programme	Duration	Intake
1	B.Tech.-Civil Engineering	3 ½ Years	60
2	B.Tech.- Electrical and Electronics Engineering	3 ½ Years	60
3	B.Tech.-Mechanical Engineering	3 ½ Years	60
	Total		180

PG Programmes Engineering (Full Time)

Sl. No.	Programme	Duration	Intake
1	M.Tech.-Environmental Engineering	2 Years	20
2	M.Tech.-Nanotechnology	2 Years	20
3	M.Tech.-Renewable Energy	2 Years	20
4	M.Tech.-Wireless Communications	2 Years	20
	Total		80

PG Programmes Engineering (Part-Time)

Sl. No.	Programme	Duration	Intake
1	M.Tech.-Environmental Engineering	3 Years	20
2	M.Tech.-Nano Technology	3 Years	20
3	M.Tech.-Power Electronics & Drives	3 Years	20
4	M.Tech.-Renewable Energy	3 Years	20
5	M.Tech.-Wireless Communications	3 Years	20
	Total		100

UG - Arts & Sciences

Sl. No.	Programme	Duration	Intake
1	B.C.A.	3 Years	180
2	B.Com. (Honours)	3 Years	60
3	B.Com.	3 Years	120
4	B.Com .-Corporate Secretaryship	3 Years	60
5	B.Sc.-Animation & Multimedia	3 Years	30
6	B.B.A.	3 Years	60
7	B.Sc.-Mathematics	3 Years	30
8	B.Sc.-Physics	3 Years	30
9	B.Sc.-Chemistry	3 Years	30
10	B.Sc.-Computer Science	3 Years	100
11	B.A.-English	3 Years	30
12	B.Sc. B.Ed. (4 Year Integrated)	4 Years	50
13	B.Ed	2 Years	100
	Total		880

PG - Arts & Sciences

Sl. No.	Programme	Duration	Intake
1	MBA	2 Years	60
2	MCA	2 Years	60
3	M.S.W.- Social Work	2 Years	20
4	M.Sc.-Chemistry	2 Years	20
5	M.Sc.-Mathematics	2 Years	20
6	M.Sc.-Physics	2 Years	20

7	M.A.-English	2 Years	20
8	M.Com.	2 Years	20
9	M.A.-Tamil	2 Years	20
10	M.A.-History	2 Years	20
11	M.A.-Periyar Thought	2 Years	20
12	M.A – Political Science	2 Years	20
	Total		320

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

Sl. No.	Programme
Architecture & Engineering	
1	Architecture
2	Civil Engineering
3	Electrical & Electronics Engineering
4	Electronics & Communication Engineering
5	Mechanical Engineering
6	Nanotechnology

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

Humanities, Sciences and Management	
1	Chemistry
2	Commerce
3	Computer Science and Applications
4	English
5	Management Studies
6	Mathematics
7	Political Science
8	Physics
9	Social Work

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 2021-22 onwards

**Dean
Academics
37.2.2**

TO CONSIDER AND APPROVE offering M.Sc. Computer Science as a Full Time Programme from the academic year 2021-22 onwards.

Notes:

Based on the demand for the programme, the Department of Software

Engineering has proposed offering M.Sc. Computer Science as a full time programme from the academic year 2021-22 onwards.

Programme	Duration	Eligibility
M.Sc. Computer Science	2 Years	Candidates must have passed the Bachelor's degree such as B.Sc./ B.C.A./ equivalent with Computer Science / Mathematics / related field as a core course from a recognized university or institution.

The matter is placed before the Academic Council for Approval.

Resolution

RESOLVED TO APPROVE offering M.Sc. Computer Science (Full Time Programme) from the academic year 2021-22 onwards.

**Dean
Academics
37.2.3**

TO CONSIDER AND APPROVE introducing new programme B.Com (Computer Applications) under full time from the Academic Year 2021-22 onwards.

Notes:

Based on the demand for the programme, Department of Commerce has proposed offering B.Com (Computer Applications) programme under full time mode from the Academic year 2021-22 onwards.

Sl. No	Course Details	Medium & Duration	Eligibility	Intake
1	Bachelor of Commerce (Computer Applications)	English & 3 years	Pass in 10 + 2 Standard	60 students

The matter is placed before the Academic Council for Approval.

Resolution

RESOLVED TO APPROVE introducing new programme B.Com (Computer Applications) under full time from the Academic Year 2021-22 onwards.

**Dean
Academics
37.2.4**

TO CONSIDER AND APPROVE introducing NCC as one of the General Elective Credit Courses from the academic year 2021 – 2022.

Notes:

As per the directions issued by UGC, NCC is introduced as one of the General Elective Credit Courses under the 'Choice Based Credit System' from the academic year 2021 – 2022

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE the introduction of NCC as one of the General Elective Credit Courses as per the directions of UGC from the academic year 2021 – 2022.

3. BUSINESS BROUGHT FORWARD BY DEAN RESEARCH

**Dean
Research
37.4.1**

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

Notes:

Six (06) Research scholars have completed their Public *Viva-voce* between September 2020 and April 2021 are listed below:

Sl. No	Name of the candidate / Reg.No	Department	Date of Public <i>Viva voce</i>	Thesis Title
1	Mr.P.Guru 216012865033	Management Studies	23.12.2020 (Online)	Consumer Attitude towards public and private Life Insurance companies with reference to Thanjavur District – A Comparative study
2	Mr. J. Thiagarajan 213012860012	Mechanical Engineering	29.12.2020 (Online)	Simulated and experimental investigation of a multifeed biomass gasifier
3	Mr. N. Ramasamy 214012860013	Mechanical Engineering	06.01.2021 (Online)	Analysis on angular distribution and control of plug welded steel structure
4	Ms. D. Ruby 210011855004	Computer and Applications	20.01.2021 (Online)	An enhancement of data aggregation algorithms to minimize the consumption of energy underwater wireless sensor networks

5	Ms. R. Sridevi 212011861009	Mathematics	11.2.2021 (Online)	A study on discrete time stochastic process to achieve threshold level recruitment process
6	Ms. Tony Marcel Nisha 115011751001	Architecture	06.03.2021 (Online)	Spatial Configurational analysis of Indo-Portuguese Houses

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

Resolution

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

**Dean
Research
37.4.2**

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

Notes:

Four (4) research scholars received their Theses Evaluation Reports and waiting for Public *Viva-voce*

Sl. No	Name / Department / Reg.No.	Date of Report Received	Title of the Thesis
1	Mr.S.Arumugam 209012855006 CSA	16.02.2021	Time Series Data Transformation to measure the complexity of a Learning system and to predict the performance of a learner with data mining techniques
2	Mr.K.Sakthivel 214012868007 Physical Education	18.02.2021	Effect Plyometric Training weight Training and Combined Training on Selected Physical Physiological and Biochemical Variables among college Men Jumpers
3	Mr. Joseph Edward Felix 212012862012 English	25.02.2021	Motivational Strategies to Teach Soft Skills to Engineering Students in Thanjavur District
4	Ms.J.Thenmozhi 214011868008 Physical Education	13.03.2021	Effect of different packages of yogic practices on selected physiological, psychological, psychomotor abilities and coordinative abilities among college women athletes

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

Resolution

RESOLVED TO TAKE ON RECORD the list of research scholars whose theses evaluation Reports were received and waiting for Public *Viva-voce*

Dean Research 37.4.3 **TO INFORM AND RECORD** the List of Ph.D. theses submitted.
Notes:
Five (05) Researchers have submitted their Ph.D. theses.

Sl. No	Name / Department / Reg.No.	Date of Submission	Title of the Thesis
1	Ms.S.Krishna 214011864013 Chemistry	11.01.2021	A Study on the degradation of Acid Blue 113 Using Semiconductor Nanocatalysts under sonocatalytic / Ambient Conditions
2	Ms.G.Yogapriya 214011851007 Architecture	02.02.2021	Identifying the perceptual qualities of a rural heritage precinct – Entrance gateway (Rajagopuram) – A case study of Thiruvashi, Tamilnadu
3	Mr.B.Balaji 213012853012 Civil Engineering	09.02.2021	Optimization in the Design of sewer Network
4	Mr.G.Prabu 213012854022 CSE	19.04.2021	Framework for Redefining and Evaluating CMMI Models in AI processes
5	Mr.G.Sreelal 116012753002 Civil Engineering	20.04.2021	Evaluation of Biogas from Sugarcane Trash through Anaerobic Digestion Process

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 37.4.4 **TO INFORM AND RECORD** the list of research scholars who have presented their synopsis
Notes:
Eleven (11)Ph.D scholars presented their synopsis between September 2020 and April 2021 are listed below:

Sl. No	Name / Reg.No	Department	Date of Presentation	Title
1	Ms.S.Krishna / 214011864013	Chemistry	26.12.2020	A Study on the degradation of Acid Blue 113 Using Semiconductor Nanocatalysts under sonocatalytic / Ambient Conditions
2	Ms.T.Kavitha / 210011854014	CSE	22.01.2021	An Improved YOLO Deep Learning Network Model for Better Performance in Drone Detection
3	Ms.R.Poonguzhali / 210011854015	CSE	25.01.2021	Memory Network based Deep Learning Models for Question Answering System
4	Ms.N.Thilagavathi / 213011854024	CSE	28.01.2021	A Framework for Enhancing Web Service Composition and Verification
5	Mr.M.Sundarrajan / 116012754003	CSE	04.02.2021	Hybrid cryptography algorithms for Network security
6	Mr.C.V.Govindan / 213012860007	Mechanical	26.02.2021	Defect Inspection based on Segmentation and Defective Tracking in Welding Images with Orthogonal Polynomials
7	Mr.R.VaraprasadKaviti / 215012860022	Mechanical	02.03.2021	An Investigation of Dry sliding wear and Hot Deformation behavior of Magnesium Nano composites
8	Ms.B.Nithya / 216011855015	CSA	10.03.2021	Hybrid Approach of Nature Inspired Algorithm for Localization in Wireless sensor Network
9	Ms.M.Ahila / 116011752018	Biotechnology	29.03.2021	Characterization of AspergillusCarbonarius in Relation to Polygalacturonase Secretion and Carotenoid Biosynthesis
10	Mr.V.Srithar / 216012854031	CSE	02.04.2021	Trust Based Task Assignment on Service Oriented Adhoc Networks
11	Ms.A.EstherZionia / 117011773004	Management Studies	22.04.2021	Talent Acquisition and Talent Retention Strategies in South and West Tamil Nadu

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

Resolution

RESOLVED TO TAKE ON RECORD the list of research scholars who have presented their synopsis

Dean Research 37.4.5 **TO INFORM AND RECORD** the Extension of time granted to Research scholars.

Notes:

Based on the request from Research Scholars and the Research Advisory Committee recommendations, Fourteen (14) research scholars have been granted extension of time up to one year.

Sl. No	Register No	Name	Department	Duration	Date of completion of research programme	Extension up to
1	211011873002	Ms.D'Souza Tony	Education	6 Months	17.08.2020	16.02.2021
2	213012873007	Mr.A.Sundararaj	Education	1 Year	17.09.2020	16.09.2021
3	213012873006	Mr.P.Kamaraj	Education	1 Year	19.09.2020	18.09.2021
4	212011856014	Ms.C.Rajanandhini	ECE	1 Year	16.09.2020	15.09.2021
5	215011852025	Ms.R.Radhika	Biotechnology	1 Year	11.10.2020	10.10.2021
6	112012772004	Mr.D.Iyappan	Social Work	2 Years	16.09.2019	15.09.2021
7	213012854022	Mr.G.Prabu	CSE	1 Year	07.09.2020	06.09.2021
8	213011854021	Ms.S.Manjula	CSE	1 Year	17.09.2020	16.09.2021
9	213012860007	Mr.C.V.Govindan	Mechanical	1 Year	24.09.2020	23.09.2021
10	213011854024	Ms.N.Thilagavathi	CSE	1 Year	17.09.2020	16.09.2021
11	213012853012	Mr.B.Balaji	Civil	5 Months	14.09.2020	14.02.2021
12	213012853013	Mr.AR.Raghavan	Civil	6 Months	16.09.2020	16.03.2021
13	212012865023	Mr.V.Kumaresan	Management Studies	1 Year	19.03.2021	18.03.2022
14	209012853002	Mr.V.Anandan	Civil	1 Year	01.07.2020	30.06.2021

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

External Member Dr.V.K.Stalin enquired about the reason for giving extension.

Dean Research Dr.S.Kumaran replied that the extension is given based on the research scholar's request and due to COVID-19 pandemic situation.

Resolution

RESOLVED TO TAKE ON RECORD the Extension of time granted for Research scholars

Dean Research 37.4.6 **TO INFORM AND RECORD** the January slot of Ph.D. Admission 2019-20.

Notes:

In continuation with Ph.D. Admissions 2020-21, the First slot applications received details are given below:

Sl. No	Department Name	Application Received	Appearing for Written Test & Interview	Absentees for Written Test & Interview	Not Eligible for Admission	Eligible for Admission	Admitted scholars
1	Physics	5	2	3	0	2	1
2	Civil Engineering	2	2	0	0	2	0
3	Mathematics	4	4	0	0	4	3
4	ECE	5	5	0	0	5	1
5	Mechanical Engineering	2	1	1	0	1	0
6	Management Studies	9	7	2	0	7	5
7	Commerce	4	3	1	0	3	2
8	Chemistry	1	0	1	0	0	0
9	CSA	1	1	0	1	0	0
10	Social Work	2	2	0	0	2	1
11	Political Science	5	5	0	1	4	4
12	Architecture	1	0	1	0	0	0
Total		41	32	9	2	30	17

In continuation of Ph.D. Admission 2020-21, the Second slot application received details are given below:

Sl. No	Department Name	Application Received	Appearing for Written Test & Interview	Absentees for Written Test & Interview	Not Eligible for Admission	Eligible for Admission	Admitted scholars
1	EEE	1	1	0	0	1	Admission
2	Civil Engineering	5	5	0	0	5	
3	Mathematics	5	4	1	1	3	

4	English	5	2	3	0	2	is in the progress
5	Physics	1	1	0	0	1	
6	CSA	1	0	1	0	0	
Total		18	13	5	1	12	

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

Resolution

RESOLVED TO TAKE ON RECORD the details of Ph.D. Admission applications received and candidates selected for the academic year 2020-21

**Dean
Research
37.4.7**

TO INFORM AND RECORD the Scopus publications.

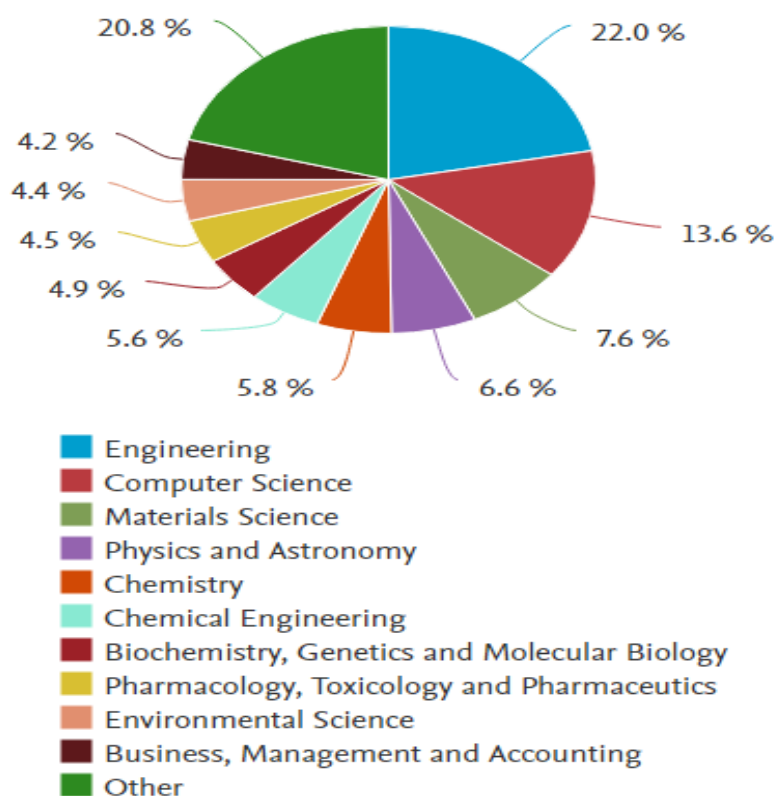
Notes:

Scopus publications as on 27.04.2021: 611

Scopus publications in the year 2020: 53

Scopus publications in the year 2021: 16

Periyar Maniammai Institute of Science & Technology





Affiliation details - Periyar Maniammai Institut...

[Print](#) [Email](#)

Periyar Maniammai Institute of Science & Technology

Periyar Nagar, Vallam, Thanjavur
TN, India
Affiliation ID: 60094012

Other name formats: [Periyar Maniammai University](#) [Periyar Maniammai Institute Of Science And Technology](#)

[Periyar Maniammai Institute Of Science & Technology](#)

[Periyar Maniammai College Of Technology For Women](#) [Pmu](#) [View all](#) ▼

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Documents, affiliation only

611

Authors

365

[Save to author list](#)

Documents by subject area

Collaborating affiliations

Documents by source

Affiliation name	Documents
National Institute of Technology, Tiruchirappalli	58
Seoul National University	19
Annamalai University	15
Jawaharlal Nehru University	13
SASTRA Deemed University	12
Anna University	12
Universidad de Concepcion	11
Central Electrochemical Research Institute India	11
Tamil Nadu Agricultural University	11
Kidney Care	10
Bharathidasan University	10
Alagappa Government Arts College	10
Dongguk University, Seoul	9

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

Resolution

RESOLVED TO TAKE ON RECORD the Scopus publication details of the faculty members.

**Dean
Research
37.4.8**

TO INFORM AND RECORD the Sanctioned Proposals by TNSCST

Notes:

One of the submitted proposals got sanctioned worth 2.40 Lakhs by Tamil Nadu State Council for Science and Technology (Rs. 1,60,000/- for PMIST and Rs. 80,000/- for Vivekanandha College of Engg. for Women, Namakkal-637205).

Sl. No	Name of the Principal investigator	Sponsoring Agency	Title of Project	Amount	Sanction Date
1	Dr.S.Kumaran Associate Professor / Biotechnology and Dr.C.Vimala Associate Professor / Mathematics	Tamil Nadu State Council for Science & Technology (TNSCST)	Graphene and plant seeds coated clay pot to address the pure during water scarcity issue in remote villages by removing salinity and suspended solids	2,40,000 For PMIST 1,60,000	31.03.2021

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

Resolution

RESOLVED TO TAKE ON RECORD the project sanctioned by Tamil Nadu State Council for Science and Technology (TNSCST).

**Dean
Research
37.4.9**

TO INFORM AND RECORD the following list of Research proposals submitted to various funding agencies.

Notes:

First Stage Proposal for Indo-German collaborative project titled "Development of methods and a toolset for optimized planning, implementation and processing of agroforestry systems in South India" was submitted to IGSTC (Indo-German Science and Technology Center) on 9th December 2019 through Online mode.

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

Resolution

RESOLVED TO TAKE ON RECORD the list of Research proposals submitted to various funding agencies.

Dean Research 37.4.10 **TO INFORM AND RECORD** the Seed money issued to faculty research Projects:

Sl. No	Principal Investigator	Title	Department	Total Amount	Sanction Date
1	Dr. AnandJerardSebastine	Social Work in India: Perceptions and Experiences of Practitioners in the COVID Aftermath	Social Work	20000	03.12.2020

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

Resolution

RESOLVED TO TAKE ON RECORD the Seed money allotment for the faculty research project

List of inventors provided with grant to file patents / Design Applications:

Sl. No.	Name of the Inventor	Title of the Patent	Novelty of the patent	Amount	Sanction Date
1	Dr. P. K. Srividhya A. Pugazhenth J. Jerald S. Devadharsini M. Abdul Rahman	Solar and Electric Powered Foot Operated Vehicle with Reverse Mechanism for Arm Impaired Person	A two wheeler with leg operated steering control mechanism and vehicle reversing option	50,000	20.03.2021
2	Dr.P.K.Srividhya Mr.P.Illangovan Dr.M.Sharmila Begum	E Monitoring of gas production and performance analysis of biogas digester	This work automates and monitors solid waste-to-energy conversion system using the anaerobic digestion of solid waste to produce renewable energy biogas.	50,000	20.03.2021

Sl. No.	Name of the Inventor	Title of the Patent	Novelty of the patent	Amount	Sanction Date
3	Dr.P.K.Srividhya Dr.D.Jeyasimman A.Pugazhenth S.P.Manikandan C.M.Vivek	Parametric Analysis and Reduction of Crown shrinkage in piston castings	This invention reveals with the identification of root causes and completes solution for the reduction of crown shrinkage in the piston	50,000	20.03.2021
4	Dr.M.Sharmila Begum Mr.V.Rajkumar Ms.S.P.Ramya Dr.P.Aruna Mr.P.Ilangovan Ms.S.Suseela Mr.M.Chandrakumar Peter	IoT Based Warehouse Safeguard System for Harvested Agricultural Crops	An Automated Warehouse to protect the food grains and to safeguard the harvested crops	50,000	20.03.2021
5	Mr.U.Saravanakumar Mr.R.Rakesh Mr.P.Ilangovan Mr.A.Shivakumar Mr.I.KarthickSubramanian Dr.P.K.Srividhya Mr.J.Kesavan Mr.SatheeshRakin Mr.Ajai	Coconut Tree Climbing Robot(CTCR)	The Invention of placing robotic arm having cameras to identify the coconut.	50,000	20.03.2021
6	Dr.S.P.K.Babu Mr.U.Saravanakumar Mr.S.SathishRakin	AI Enabled drone for forest fire detection	Docking station for charging and communication leading to zero human intervention	20,000	20.03.2021
7	Dr.C.V.Subramanian	Heliodon Solar Simulator	The heliodon comprises a model support base which represents the surface of the earth at the position where the building is to be situated and a light source designed	20,000	20.03.2021
8	Dr.A.E.Narayanan, Asso. Prof.,CSE Ms.A.S.Rasmika, 4 th year B.Tech (CSE) Mr.RamananSivakumar, 4 th year B.Tech (CSE)	Preservation of the Texture and Nutritional value of the stored meat using machine intelligent system	The spoiling of stored meat, due to micro organisms like psychrophile could be detected in early stage and the nutritional value of meat is protected by a machine	50,000	30.03.2021

	Mr.A.Akash, 4 th year B.Tech (CSE) Ms.J.Monisha, 4 th year B.Tech (CSE)		intelligent system		
9	Dr.D.Jeyasimman, Asso. Prof., Mechanical Eng. Dr.N.Ramasamy, Research Scholar (2014-2020)	Effect of Intermetallic Compounds and Inclusions in Normalizing Rolled C-Mn steel Butt Joint Failure	Steel plate Butt Joint Failure	30,000	30.03.2021

List of Patents Filed:

Sl. No.	Title of the Invention	Name of the Inventors	Application No.	Date of filing of Application
1	Dynamic Scheduling Of Ultra High Speed Multitasking Processor To Handle Integrated Sensor Circuits In Automated Robot	Dr. M. R. Arun Prof.(Dr.) Bhagirathi Nayak Dr. D. Jeyasimman Mr. Ganesh Babu Loganathan Dr. Geetha. K Dr. G. Vijaya M. Monica Dr. Govindarajan Venkatesan Dr. Srinivasan Kumar T. Mugilan V. Sandhya A. Arshath Kumar	202141013948 A	29/03/2021
2	Parametric analysis and reduction of crown shrinkage in piston castings	Dr. P. K. Srividhya, Dr. D. Jeyasimman, Mr. A. Pugazhenthir, Mr. S. P. Manikandan, Mr. C.M. Vivkek	202141014297 A	30/03/2021
3	IOT based Warehouse Safeguard System for Harvested Agricultural Crops	Dr. M. Sharmila Begum Mr. V. Rajkumar Ms. S.P. Ramya Dr. P. Aruna Ms. S. Suseela Mr. P. Ilangoan Mr. M. Chandrakumar	202141016995 A	12/04/2021

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
37.4.11**

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

Sl. No	Name of the Industry and Institution	Objectives / Scope / Major activities	MoU Date
1	M/S nRoot Technologies Private Limited (nRoot), Thanjavur, Tamil Nadu	<ul style="list-style-type: none"> ➤ Academic and research collaboration in the areas of mutual interest ➤ Guiding and grooming of enterprising faculty members, inquisitive research scholars and innovative students to become successful entrepreneurs ➤ Cooperation in Defence and Civil related (Make in India) Projects, students internship, faculty enrichment program, Industrial visits, Lectures, Workshops, Seminars, conferences and consultancy work 	Signed Memorandum of Understanding on 10.11.2020
2	Vivekananda College of Engineering for Women, Namakkal	<ul style="list-style-type: none"> ➤ Visits and informal exchanges of faculty, scholars and administrators in specific areas of academics, research and outreach. ➤ Explore ways to cooperate in postgraduate education and training. ➤ Organize joint conferences, symposia, or other scientific/technological meetings on subjects of mutual interest. ➤ Pursue avenues for graduate and professional student exchange during the academic year ➤ Pursue avenues for undergraduate student exchange during the academic year or summer terms. ➤ Explore the possibilities of developing joint research programs and collaborations. ➤ Other exchange and cooperation programs to which both parties agree. 	Signed Memorandum of Understanding on 23.01.2021
3	Indian Spectro Physics Association	<ul style="list-style-type: none"> ➤ Researchers to interact with the academia for catalyzing joint initiatives 	Signed Memorandum of Understanding on

		to launch development programmes for the benefit of researchers ➤ Conducting Science Awareness Programmes ➤ Conducting PG Students Technical Seminars ➤ Conducting Workshop for College and University Teachers ➤ Organizing Conferences on Applied Sciences	20.04.2021
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The matter is placed before the Academic Council for information and record.

Hon'ble Pro Vice Chancellor asked Dr. A.P.Aruna, CEO to highlight the significant features about the prestigious project POEMS. She presented a short note about the POEMS project and its modest beginning by signing MoU with Indian Air Force Station, Thanjavur. Also she highlighted its achievements stage by stage until the recent development of preparing 11 simulators for training purpose.

Resolution

RESOLVED TO TAKE ON RECORD the list of Memorandum of Understandings (MoU) signed with Industries and Institutions.

**Dean
Research
37.4.12**

TO INFORM AND RECORD the framed Incentive Policy to promote Research.

Notes:

The Incentive Policy has been framed for promoting Research.

Resolution

RESOLVED TO TAKE ON RECORD the Incentive Policy framed for promoting Research.

MINUTE OF THE TABLE AGENDA & NOTES

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

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

Notes:

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

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

The matter is placed before the Academic Council for ratification.

Resolution

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

4. b). BUSINESS BROUGHT FORWARD BY FACULTY OF ARCHITECTURE AND PLANNING

DEPARTMENT OF ARCHITECTURE

**FAP
Arch
37.4.2**

TO CONSIDER AND APPROVE the Curriculum & Syllabus of B.Arch degree programme for the students getting admitted from 2021 (Regulation 2021) as per the COA Minimum Standards of Architectural Education Regulations, 2020.

Notes:

The Board of Studies of Department of Architecture framed and recommended the Curriculum and syllabus from I to X Semesters for B.Arch (Regulation 2021)

- i) Total credits increased from 250 to 290 as per the recommendations of COA Minimum Standards of Architectural Education Regulations, 2020.
- ii) XAR106 Visual arts –I and XAR206 Visual arts –II are merged in as XAR 106 Visualarts.
- iii) XAR206 Carpentry and Model Making workshop is added as a new course in 2nd semester of Curriculum and syllabus for B.Arch (Regulation 2021).

The matter is placed before the Academic Council for Approval.

The External Member Dr.K.Thirumaran pointed out a few changes in the curriculum structure and credits allocation. Dr. C.V.Subramaniam, Dean FAP agreed to change the curriculum structure as per the suggestions given by the External Member.

The suggested corrections were carried out in the curriculum and submitted by the Head of the Department of Architecture.

Resolution

RESOLVED TO APPROVE the Curriculum & Syllabus of B.Arch degree programme as per the COA Minimum Standards of Architectural Education Regulations, 2020 for the students getting admitted from 2021 (Regulation 2021).

4. (c) BUSINESS BROUGHT FORWARD BY DEAN RESEARCH

Dean Research
37.4.3 **TO INFORM AND RECORD a Patent Filed.**

Sl. No	Title of the Invention	Name of the Inventors	Application No.	Date of filing of Application
1.	Design and Fabrication Prototype of Biogas Digester for Anaerobic Digestion Process to Predict Methane	1)Dr. P. K. Srividhya 2)Mr. P. Ilangovan 3)Dr.M.Sharmila Begum	202141018013 A	19/04/2021

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

Resolution

RESOLVED TO TAKE ON RECORD the patent filed by faculty member.

4. (d) BUSINESS BROUGHT FORWARD BY DEAN (ACADEMICS)

Dean Academics
37.4.4 **TO CONSIDER AND APPROVE** starting new full time course B.Sc. Artificial Intelligence (3 years) under the Department of Software Engineering from the academic year 2021- 2022 onwards.

Notes:

Based on the demand and scope of employability skills in the field of Artificial intelligence, the Department of Software Engineering has proposed to offer B.Sc. Artificial Intelligence as a full time course from the academic year 2021-2022 onwards.

Programme	Duration	Eligibility
B.Sc. Artificial Intelligence	3 Years	Pass in 10+2 or 10 + three years technical diploma examination with Mathematics or Business Mathematics or Computer Science or Statistics (Academic stream or Vocational stream).

The matter is placed before the Academic Council for approval.

Resolution

RESOLVED TO APPROVE starting a new course B.Sc. Artificial Intelligence (3 years) full time programme under the Department of Software Engineering from the academic year 2021- 2022 onwards.

5. ANYOTHER POINTS

- **Dr. P.K. Srividhya, Dean Academic informed the council that the NAAC III cycle documents and Self Study Report was uploaded during Feb 2021 in the portal successfully. Also, DVV clarifications raised by the NAAC committee were also addressed and submitted successfully into their portal during 9th April 2021.**
- **Dean Academic also informed that the End Semester Examinations are scheduled through online mode with 3 hours duration and students are writing exam under camera mode.**
- **Also informed that according to the revisions laid down by the Council of Architecture regarding selection procedure for B.Arch programme and AICTE's revision in eligibility criteria for B.Tech. admissions have been incorporated into the PMIST's Admission procedures for the academic year 2020-21.**

- **Hon'ble Vice Chancellor congratulated Dean Academic and the faculty members involved under her team for the successful completion of NAAC SSR & DVV uploading process successfully.**
- **Hon'ble Pro Vice Chancellor thanked all the Academic Council Members for their active participation in the meeting and suggested everyone to stay safe and healthy during this pandemic COVID-19 situation.**

REGISTRAR
Secretary, Academic Council