



Amritanagar P O ,Ettimadai, Coimbatore 641 112

34th Meeting of the Academic Council

Date: 20.03.2019

Time: 10.00 am

MINUTES

The following members of the Academic Council were present through Skype:

1. Dr. P Venkat Rangan, Vice Chancellor
2. Dr. K Sankaran, Registrar
3. Dr. Prem Nair (Medical Director)
4. Dr. Bipin Nair (Dean, School of Biotechnology)
5. Dr. Sasangan Ramanathan (Dean, Engineering)
6. Dr. V S Somanath (Dean, Management),
7. Dr. Krishnashree Achuthan (Dean, PG Programmes)
8. Dr. Maneesha Sudheer (Dean, International Programmes)
9. Dr. Balakrishnan Shankar, Associate Dean, Amritapuri
10. Dr. R Dhandapani (Controller of Examinations)
11. Br. Sankara Chaitanya (Director, School of Ayurveda)
12. Br. Dhanraj, Bangalore Campus
13. Dr. U Krishnakumar, ASAS Kochi
14. Br. Sunil Dharmapal, Mysore Campus
15. Dr. S N Jyothi (Principal, School of Engineering, Amritapuri)
16. Dr. S G Rakesh, (Associate Dean, Bangalore)
17. Dr. (Col) Vishal Marwaha (Principal, School of Medicine, Kochi)
18. Dr. R Balagopal Varma (Principal, School of Dentistry)
19. Prof. K T Moly (Principal, College of Nursing)
20. Dr. M Sabitha (Principal, School of Pharmacy)
21. Dr. Vasudevan Namboothiri (Principal, School of Ayurveda),
22. Prof. Vidya Pai (Principal, ASAS Mysore)
23. Dr. V M Nandakumaran, Principal, ASAS Amritapuri
24. Dr. Sriram Devanathan (Professor, Chemical Dept.)
25. Dr. Raghu Raman (Chairperson, ASB)
26. Dr. Sunanda Muralidharan (Chairperson, Management, Kochi)
27. Dr. D M Vasudevan, AIMS Kochi - Special Invitee
28. Dr. R N Tripathy, Vice Principal, Ayurveda – Special Invitee

Br. Abhayamrita Chaitanya (Pro Chancellor), Prof. C Parameswaran (Director, CIR), Dr. Shantikumar V Nair (Dean, Research), Br. Sudeep (Amritapuri), Dr. V Radhakrishnan (Former Director, Amrita), Dr. C R Muthukrishnan (Chief Advisor, TCA), Dr. A H Kalro (Former Director, IIM-K), Dr. Bharat Jayaraman, Professor, SUNY Buffalo, Dr. M Savitha Pande (Dept. of Education, Mysore), Prof. P Manoj (Chairperson, Management, Bangalore could not attend the meeting. Leave of absence was granted to them.

The meeting was chaired by the Vice Chancellor.

34.0 Confirmed minutes of the 33rd Meeting of the Academic Council held on 02.08.2018.

Decided to form the following committee to look into the Amrita Value Programs and Open Electives.

- Dr. U. Krishnakumar, Director, ASAS Kochi – Chairman
- Dr. Balakrishna Shankar, Asso. Dean, Amritapuri – Member
- Dr. Maneesha Sudheer, Dean (International Programmes) – Member
- Dr. Sripad H. Ghaligi, Asst. Professor, Amrita Darshanam Centre, Coimbatore - Member

Annexure – 34.0

34.1 New Programs

34.1.1 Decided to ratify the order of the Vice-Chancellor to start the following B.Tech programs.

- i) CSE – Artificial Intelligence
- ii) Computer and Communication Engineering
- iii) Electrical and Computer Engineering
- iv) Electronics and Computer Engineering

34.1.2. Decided to start the **4 year B.Sc. (Agriculture)** programme in the Coimbatore campus of the University.

34.1.3. Decided to ratify the order of the Vice-Chancellor to conduct the following M.Tech programs from the Academic Year 2019.

Coimbatore

No	Name of the Program	Department	Intake
1	Material Science and Engineering	Chemical Engg	24
2	Structural and Construction Engineering	Civil Engg.	30
3	Computational Engineering and Networking (Data Science)	CEN	30
4	Computer Science and Engineering	CSE	30
5	Cyber Security	Cyber Security	30
6	Embedded Systems	EEE	30
7	Biomedical Engineering	ECE	30
8	VLSI Design	ECE	30
9	Automotive Engineering	ME	30
10	Engineering Design	ME	30
11	Manufacturing Engineering	ME	30
12	Artificial Intelligence and Data Science	CSE	30

13	Communications Systems	ECE	30
14	Automotive Electronics	ECE	30
15	Power Electronics & Drives	EEE	30
16	Renewable Energy Technologies	EEE	24
17	Industrial Intelligent Systems	EEE	30

Amritapuri

No.	Program Name	Dept.	Intake
1	Biomedical Instrumentation and signal Processing	CSE	30
2	Computer Science and Engineering	CSE	30
3	Cyber Security systems and Networks	CSE	30
4	Geoinformatics and Earth Observation	CSE	30
5	Smart Sensing communication and Networking Technologies	CSE	30
6	VLSI Design	ECE	30
7	Thermal and Fluid Engineering	ME	30
8	Wireless Networks and Applications	CSE	30
9	Artificial Intelligence	CSE	30
10	Power & Energy (Smart Grid & Electric Vehicles)	EEE	30
11	Embedded Control & Automation	EEE	30
12	Signal Processing and Embedded Systems	ECE	30
13	Robotics & Automation	ME	30
14	Production and Industrial Engineering	ME	30
15	Applied Mechanics	ME	30

Bangalore

No.	Name of the Program	Department	Intake
1	Computer Science and engineering	CSE	30
2	Embedded systems	EEE	24
3	VLSI Design	ECE	24
4	Thermal Sciences and energy systems	ME	24
5	Data Sciences	CSE	24
6	Communication and Information Systems	ECE	24
7	Power Electronics & Drives	EEE	24
8	Machine Design & Robotics	ME	24

34.1.4 Decided **not to start** the new Post graduate course (1 yr) titled 'Waste Management and Sustainable Development', proposed by the Science Faculty since the university has to focus on other programs already undertaken.

34.2. Review of Regulations

34.2.1. Decided to incorporate the following regulation with regard to Supplementary Examinations for undergraduate students.

34.2.1.1. For B.Tech

Second chance examination is allowed for students of SIXTH semester (failed in one sixth semester subject) and students of EIGHTH semester (failed on one eighth semester subject).

34.2.1.2. For undergraduate and integrated programs under the Faculties of Arts, Media and Commerce, Science and Humanities and social Science.

Second chance can be given within one month of result publication, to students in the 6th semester and 10th semester of UG and Integrated programmes respectively for any one subject failed. This is also applicable to students of integrated programmes who are opting for exit in their 6th semester.

34.2.2. Changes to PhD Policies.

It was decided to conduct a meeting of the Dean PGP, Deans of all Faculties together with Dean Research and Dean - International Programs, to arrive at a consensus regarding the changes to be incorporated. It was also decided that the basic document for Ph.D. programs regulations will be the same for all Faculties of the University. Each Faculty could have some additional clauses where such freedom is allowed in the basic document of common regulations.

As of now, the Ph.D. regulations that are current and to be followed are:

- Ph.D. Program (Doctor of Philosophy) University Level Regulations 6th June 2017, issued as an University Order No: Amrita/UO/2017/774, dated 14th June 2017, ratified in the 31st Meeting of the Academic Council dated 10th August 2017.
- Ph.D. Program (Doctor of Philosophy) Policies and Procedures (Integrated Ph.D. Programs) Engineering January 2016, Issued as a University Order No: Amrita/UO/ACM25.5.5/2016, dated 25th February 2016, approved in the 25th Academic Council dated 29th January 2016.
- Ph.D. Program (Doctor of Philosophy) Policies and Procedures (Integrated Ph.D. Programs) Health Sciences January 2016, Issued as a University Order No: Amrita/UO/ACM25.5.4/2016, dated 25th February 2016, approved in the 25th Academic Council dated 29th January 2016.

34.3. Review of question papers and answer scripts.

It was decided that the Controller of Examinations will coordinate the following activity with regard to review of question papers and answer scripts within three weeks after reopening of the campus after vacation.

Question papers and selected few answer scripts after publication of results (scanned copies) will be scrutinised by faculty of another campus in the case of multi-campus programs and by faculty of same campus in the case of single campus programs.

The reports will be discussed in the Faculty Committee meetings for corrective action.

34.4. Transition Courses

It was decided that the Faculties of Arts, Media and Commerce, Science and Humanities and Social Science define equivalent courses in 2018 curriculum for all courses of the 2015 curriculum. Similarly for B.Tech programs, the Faculty of Engineering has to identify equivalent courses in 2015 curriculum for all courses of the 2010 curriculum. This has to be approved in the next academic council meeting and strictly followed in the case of students having arrears.

34.5. New Courses for Approval.

34.5.1. Approved the following courses for PhD scholars in Maths dept. Syllabi given in the appendix.

- Advanced Statistical Methods for Data Analytics
- Six Sigma Methodology
- Six Sigma for product development
- Statistical Quality Control and Reliability

Appendix 34.5.1

34.5.2. Approved the new elective course on Environmental Sanitation and Waste Management. Syllabus given in appendix.

Appendix 34.5.2

34.5.3. Approved the new elective (under elective I stream) for Aerospace Engineering: **Computational Methods for Engineers**. Syllabus shown in appendix.

Appendix 34.5.3

34.6 The meeting ratified the decision of the Faculty of Medical Sciences to start the following MSc Allied Health Sciences programs in Amrita School of Medicine, Kochi during the academic year 2017-18. However it was observed that in future, sanction of the Academic Council should be obtained before a program is started.

Sl.No.	Course
1	MSc M.Sc. Diabetes Sciences
2	MSc Physician Assistant (Medical Oncology)
3	MSc Dialysis Therapy
4	MSc Emergency Medical Technology
5	MSc Cardio Vascular Technology
6	MSc Cardiac Perfusion Technology

34.6.1. It was decided to incorporate the following modifications in existing Master in Public Health curriculum.

- Hence forth onwards marks will be recorded as percentage and will be categorized into Distinction -75%, First class -65% and Second class – 50% with retrospective effect (2016 Batch onwards). Pass percentage will remain 50% itself.
- Out of the total 150 marks, 90 marks will be awarded by the internal examiner and the rest 60 marks will be provided by the external examiner at the time of the Thesis discussion during the university practical examination.

34.6.2. It was decided to revise the eligibility for admission to Master in Public Health course as follows:

- Candidates with Bachelors degree in Veterinary Sciences, Life Sciences, Statistics, Biostatistics, Demography, Population sciences, Nutrition, Sociology, Psychology, Anthropology, Social work & Agriculture will also be eligible to apply for the MPH course. Experience in Health field would be desirable.

34.6.3. It was to revise the Master in Hospital Administration syllabus as follows:

Semester I

- Nursing care management has been added to Management process in Hospital Administration

Semester II

- Research methodology has been clubbed with Biostatistics
- Healthcare Analytics has been added to Operations Research

Semester III

- Information Technology & Telemedicine is included in Medical Record Systems

34.6.4. The meeting approved the proposal from the Faculty of Medical Sciences to start M. Pharm in Pharmaceutical Regulatory affairs

34.6.5. The meeting approved the proposal from the Faculty of Medical Sciences to start B.Sc. in Operation Theatre Technology.

34.6.6. The meeting approved the proposal from the Faculty of Medical Sciences to start B.Sc. in Intensive Care Technology.

34.6.7. It was decided to revise the criteria for pass in University Examinations of Allied health Sciences as follows:

- The eligibility criteria for pass in University examination is revised to 50% in theory, internal assessment, practical / clinics, viva and dissertation / project for all subjects for all UG and PG programs under Allied Health Sciences.

34.7.2. It was decided that all the Final End Semester (8thSem B.Tech., 6thSem Arts & Science, 10thSem Integrated and 4thSem PG Programs) results of the Results Passing Board are to be sent to the COE for approval and then to be published.

Meeting of the Final End Semester Result Passing Board should be informed to the COE so as to attend the meeting, if possible.

34.7.5. It was decided to revise the fees collected in COE's Office, w.e.f. April 2019, as follows:

(a) Attestation of Certificates:

Degree certificate produced with original Degree Certificate Rs.100/-
Degree certificate produced without original Degree Certificate Rs.500/-
Transcript or Consolidated Grade Sheet produced with original Certificate Rs.100/-
Transcript or Consolidated Grade Sheet produced without original Certificate Rs.500/-
Grade Sheets (set) produced with original Certificate Rs.300/-
Grade Sheets (set) produced without original Certificate Rs.700/-
Courier charges to send attested copies (within India) Rs.100/-

(b) Duplicates / Name Change / Re-issue Certificates

Duplicate Degree Certificate Rs. 2500/-
Name Change / Re-issue - Degree Certificate Rs.2000/-
Duplicate / Name Change - Transcript or Consolidated Grade Sheet Rs.1000/-
Duplicate / Name Change - Grade Sheet per semester Rs.500/-
Migration Certificate Rs.500/-

34.7.6 It has been decided that the M.Tech Communication Engineering and Signal Processing programme at Amrita School of Engineering, Coimbatore is discontinued with effect from academic year 2019-20 onwards.

34.8. Items related to Convocation of 2019.

34.8.1. It was decided that the convocation of 2019 will be conducted in Amritapuri campus on a convenient date after August 15.

34.8.2. The norms for award of Ranks and Medals was presented and approved as the University wide norms to be followed by all Schools of all Campuses of Amrita Vishwa Vidyapeetham, with effect from 2019 Convocation.

Appendix 34.8.2.

34.9 It was decided that the following committees stipulated by the Deemed Universities Regulations, 2019 should be formed in each campus.

- a) Anti Ragging Cell
- b) Anti discrimination Cell
- c) Gender Sensitization Cell
- d) Grievance Redressal Cell
- e) Internal Complaints Committee for prevention of Sexual Harassment
- f) Barrier Free access to persons with disabilities to all its facilities

34.10. Any other item with the permission of the Chair.

34.10.1. The proposal for minor program in Sustainable Development in B.Tech program was discussed. It was directed to discuss the same in the Faculty Committee for Engineering and arrive at a proposal which can be considered by the academic council.

34.10.2. Dr. Raghuraman did a presentation on Amrita ranking performance update.

34.10.3. Approved the New Curriculum for ASB Coimbatore and DOMs at Amritapuri, Kochi and Bangalore.

Annexure. 34.10

The meeting concluded with *shanti manthra*.



Dr. K Sankaran
Registrar & Secretary