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**MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY (MBCET)
(AUTONOMOUS)**

THIRUVANANTHAPURAM-695015

MINUTES OF THE EIGHTH MEETING OF THE ACADEMIC COUNCIL (AUTONOMOUS)
HELD ON 20.03.2023 (MONDAY) VENUE: SENATUS HALL/ONLINE AT 10:00 AM

Members present:

1.	Dr. Abraham T Mathew, Principal	Chairman
2.	Dr. Sreelatha G, Professor, ECE, CET, Thiruvananthapuram	Member (University Representative)
3.	Dr. Savier J.S, Professor, EEE, CET, Thiruvananthapuram	Member (University Representative)
4.	Dr. Kurien Issac, Professor, IIST, Thiruvananthapuram	Member (GB Nominated)
5.	Dr. Ayyappan M Chairman, AS Group of Companies, (Former MD, HLL Lifecare Ltd)	Member (GB Nominated)
6.	Rev. Dr. Gigi Thomas	Member (GB Nominated)
7.	Dr. Shyji S., Assoc. Professor, MED, SCT CE, Thiruvananthapuram	Invitee (University Representative to PG BoS)
8.	Dr. Paul Thomas, Dean(PGSR) & Professor, ECE, MBCET	Member
9.	Dr. Neethu Roy, Dean(R&C) and Professor, CED, MBCET	Member
10.	Dr. Jisha SV Assoc & Head, CED, MBCET	Member
11.	Dr. Jisha John, Assoc Professor & Head, CSED, MBCET	Member
12.	Dr. Jayakumari J., Professor & Head, ECED, MBCET	Member
13.	Dr. Nisha G. K., Professor & Head, EED, MBCET	Member
14.	Dr. Remil George Thomas, Professor & Head, MED, MBCET	Member



15.	Prof. Archana P Das, Professor & Head, S&H, MBCET	Member
16.	Dr. K. Muraleedharan Nair, Dean(Admin) and Professor, MED, MBCET	Member
17.	Dr. M.J. Jayashree, Professor, ECED & IQAC Coordinator	Member
18.	Dr. Pradeep M., Assoc. Professor, MED and Controller of Examinations, MBCET	Member
19.	Dr. Swapna P. S., Assoc. Professor, ECED, MBCET	Member
20.	Dr.Rajesh TN., Assoc. Professor, MED, MBCET	Invitee
21.	Dr.Tessy Mathew., Professor, CSED, MBCET	Invitee
22.	Mr. Binu K John, Library	Member(Invitee)
23.	Ms. Anne George. Asst. Professor, CED, MBCET	Member(Invitee)
24.	Dr. Deepak Raj, ADPE & Head, Physical Education	Invitee
25.	Mr. Arvind P, Asst. Professor, MED	Member Secretary

Members on Leave

1.	Dr. S. Viswanatha Rao, Vice Principal	Member
2.	Dr. Ashfak A, Professor, MED, TKMCE, Kollam,	Member (University Representative)
3.	Dr. Ashok S, Professor, NIT Calicut	Member (GB Nominated)

Seven members attended the meeting online (Google Meet)

Minutes

Subject AC8.01	(a) Invocation
	(b) Welcome Note by Chairman
	(c) Welcoming new Members and Thanks to the outgoing Members
	(d) Confirming the nomination of a new Member Secretary
	(e) Co-opting a senior member from CSE Faculty
	(f) Confirmation of the Minutes of the Seventh Meeting of



the Academic Council held on 21.11.2022	
Gist	<p>(a) Chairman called the meeting to order by 10:00 am. The proceedings began with an invocation. Rev. Fr John Varghese, Bursar led the prayers.</p> <p>(b) Chairman welcomed the honorable members to the Eighth meeting of the Academic Council with a happy note.</p> <p>(c) The following Members who had joined the Academic Council by virtue of their new ex officio positions were introduced by the Chairman:</p> <ol style="list-style-type: none">1. Dr. Jisha SV, HoD, CED2. Dr. Jisha John, HoD, CSE3. Dr Remil George Thomas, HoD, MED4. Dr Deepak Raj, HoD, PE5. Dr. Archana P Das, HoD S&H, and First Year Coordinator <p>Academic Council welcomed the incoming new members.</p> <p>Chairman informed that following Members had relinquished their Office as HoDs and hence their ex officio membership in the Academic Council as well:</p> <ol style="list-style-type: none">1. Dr. Jayasree S, Professor, CED2. Dr. Tessy Mathew, Professor, CSED3. Dr. Rajesh T N, Assoc. Professor, MED4. Prof Joseph Cheriyan, Professor, S&H5. Dr. Christi Francis, HoD, AD, PE <p>Academic Council resolved to place on record its gratitude and appreciations for the outgoing members for their invaluable contributions and hard work, especially during the early days of autonomy in spite of the SARS Covid 19 pandemic and the lockdown.</p> <p>(d) Chairman informed that Dr. Jisha John was relieved from the post of Member Secretary of the Academic Council on account of her appointment as HoD of the CSE Department and hence, Mr. Arvind P, Assistant professor of MED was nominated as the Member Secretary of the Academic Council as per the UGC Regulations. Academic Council approved the nomination of Mr. Arvind P as the new Member Secretary.</p> <p>(e) Chairman proposed to co opt Dr. Tessy Mathew, Professor CSED as a member of the Academic Council to represent the CSE Faculty, in view of the increasing importance of Computer Science and applications in the current technological and the academic scenario. Council approved the proposal and resolved to co opt Dr. Tessy Mathew, Professor CSED as a member of the Academic Council.</p> <p>(f) The Secretary informed that the draft Minutes of the Seventh Meeting held on 21.11.2022 were circulated through email to all the Members and all the suggestions received were incorporated in the draft Minutes presented in the Agenda Notes. Chairman sought the confirmation of the Minutes. Council read and confirmed the Minutes of the Seventh Meeting</p>
Subject AC8.02	Report on the actions taken/actions pending on the pertinent decisions in the Minutes of the Seventh Meeting of the Academic Council held on 21.11.2022
Decision	The Academic Council was apprised that actions were initiated on all the pertinent decisions in the Minutes of the Seventh meeting held on 21.11.2022.



	The Action Taken Report was presented. The Council reviewed the report and expressed satisfaction with the progress of the actions taken by the College. Council resolved to approve the Action Taken Report.
Subject AC8.03	Reporting on the general academic affairs and progress of the College after the Sixth Meeting- Presentation by the Principal.
Gist	<p>Chairman presented a brief overview of the academic affairs in the College as an update on the developments after the last meeting of the Academic Council held on 21.11.2022.</p> <p>The Academic Council was apprised about:</p> <ul style="list-style-type: none"> ● Status of the ongoing UG and PG programmes and the enrolments. ● Increase in the enrolment of Ph.D. Research Scholars under the affiliating University by selecting MBCET as the Research Centre ● Issues due to staggered starting of batches and the consequence in planning the academic schedule-starting of even semester classes and conduct of odd semester exams, etc. ● Update on the visit by the NBA expert team- conducted the visit during 28-30 October 2022. ● Current status of campus placements. ● Update on the externally Funded research projects sanctioned for MBCET Faculty and Students ● Updates on the accolades received by the members of the Faculty- ● Plan for conducting the First Convocation Ceremony under Autonomy. ● The report on Institutional progress with important upcoming milestones- New B. Tech Curriculum, NAAC Re-Accreditation in 2025, and the extension of the Autonomy in 2030, etc. ● Progress on the development of the 5-year Strategic Plan for the period 2022-2027 ● Brainstorming session conducted with experts to develop Vision 2030 Plan. Major panel recommendations like student mobility, student diversity, faculty exchange, collaborations with industry, active research, etc. during the session were listed. <p>The council was also apprised of the modifications in the academic schedule for the batches affected by Covid and their tentative time frame for graduation. The council recommended improving student diversity by attracting candidates from other states also improving the academic and research quality to secure national ranking. This was noted for future action.</p>
Subject AC8.04	Consideration of the Curriculum and the Final Year (Semesters S7 and S8) Syllabus of the five B.Tech Degree Programmes under the Autonomy 2020 Scheme
Decision	Chairman apprised the Council that the Curriculum and Syllabus of the first autonomy batch was adopted in 2020 from that of the affiliating University in a phased manner. It was mentioned that the updated Curriculum and Final year



(Semesters S7 and S8) syllabus of the B.Tech were prepared after seeing the same of the University and was ready for adoption.

Dr. Jisha SV, HoD, CED presented the updated Curriculum and Final year (Semesters S7 and S8) syllabus of the B.Tech in Civil Engineering Programme.

Dr Jisha John, HoD, CSED presented the Curriculum and Final year (Semesters S7 and S8) syllabus of the B.Tech Computer Science and Engineering Programme.

Dr. Jayakumari J, HOD ECED, presented the Curriculum and Final year (Semesters S7 and S8) syllabus of the B.Tech Electronics and Communication Engineering Programme.

Dr. Nisha G.K, HoD, EED presented the Curriculum and Final year (Semesters S7 and S8) syllabus of the B.Tech Electrical and Electronics Engineering Programme.

DR Remil George, HoD, MED and Dr. Rajesh TN, Former HoD, MED presented the Curriculum and Final year (Semesters S7 and S8) syllabus of the B.Tech in Mechanical Engineering Programme.

The Academic Council considered the recommendations of the respective BoS also. After detailed discussions, Council resolved to grant approval for the Curriculum and Final year (Semesters S7 and S8) Syllabus of the five B.Tech Programmes under the Autonomy 2020 Scheme,

1. B.Tech Civil Engineering
2. B.Tech Computer Science and Engineering
3. B.Tech Electronics and Communication Engineering
4. B.Tech Electrical and Electronics Engineering
5. B.Tech Mechanical Engineering

During the deliberations on the Curriculum, Council made following general comments for follow up by the College in the future revisions of the Curriculum and for strengthening the teaching-learning process:

- (i) Inclusion of micro-projects in industry-sponsored electives to improve the exposure of students.
- (ii) Extending the industrial elective courses of CED to Mechanical Engineering students considering its interdisciplinary nature.
- (iii) Explore the possibility of including industry elective courses for all Programmes taking into account the proximity to Technopark.
- (iv) The need for added focus required for research, the ability to get patents, industry linkage, innovative practices as an educational institution, and the ability to address social issues (like waste management and disposal and flood mitigation).
- (v) Examine the possibility of pooling the electives in the emerging areas so as to extend the benefit to all students in all Programmes.
- (vi) Added ability of the institution to become relevant to society, consistently take up consultancy assignments and improve revenue and the mechanisms for that.
- (vii) New focus on areas like nonconventional energy, earthquake-resistant buildings, and digitalization to be taken up and for giving exposure to students to the latest technological developments
- (viii) The need for benchmarking MBCET with top foreign Institutions and for developing the Programmes and the Curriculum to become a global institution



	<p>(ix) To devise means for reducing the strain on the faculty due to the current curriculum of KTU which includes Honors, Minors, and added number of programme electives, and recommended addressing this issue in the revised curriculum.</p> <p>(x) Aim at achieving distinctiveness among institutions while conforming to the university statutes regarding autonomy.</p> <p>Council categorically stated that the College had to go beyond the existing University curriculum and design the academic system and the best institutional practices to fully utilize the freedom available under the autonomous system.</p> <p>Chairman apprised the council that the college was currently taking up the revision of the curriculum, wherein the Departments were looking at new technology areas which considerably differ from the running curriculum of the University. It was also mentioned that the Faculty was also interacting with the industry to understand the gaps in knowledge and skill. He also stated that the plan for the curriculum revision was to keep the credit requirements as such but the other aspects be distinct in terms of the courses offered, the syllabus being delivered, the add-on programs, skills and knowledge, evaluation, etc. and maximum efforts would be taken to strengthen the academic system for achieving institutional excellence.</p>
Subject AC8.05	Consideration of the Curriculum and the Second Year (Semesters S3 and S4) Syllabus of the B.Tech Degree Programme in Computer Science and Engineering(Artificial Intelligence) 2022 Autonomy Scheme for approval.
Decision	Chairman apprised the Council about the good acceptance received by the new B.Tech Computer Science and Engineering(Artificial Intelligence).in terms of the 100% enrolment in the first batch started in 2022-2023. HoD, Dept of CSE presented the updated Curriculum and the Second Year (Semesters S3 and S4) syllabus of the B.Tech Computer Science and Engineering(Artificial Intelligence). Academic Council considered the recommendations of the BoS regarding the Curriculum and Syllabus. After detailed discussions, the Academic Council resolved to grant approval for the Curriculum and Second-year (Semesters S3 and S4) Syllabus of the B.Tech CSE(AI) Programme. Suggestions from the Council regarding the introduction of more electives and industry exposure were noted for future action.
Subject AC8.06	Consideration of the Curriculum and the Second Year (Semesters S3 and S4) Syllabus of the B.Tech Degree Programme in Electrical and Computer Engineering 2022 Autonomy Scheme for approval.
Decision	Chairman apprised the Council that the syllabus of the B.Tech Degree Programme in Electrical and Computer Engineering reflected the larger penetration of the topics of Computer Science and Engineering into the branches of Electrical Engineering, like power and energy systems, instrumentation, automation, drives and control, etc. and would pave the way for higher employability for the new graduates. HoD, Dept of EEE presented the updated Curriculum and the Second-year (Semesters S3 and S4) syllabus. Council was apprised that adequate care would be taken to balance the skill requirements of the graduates of this Programme by suitably incorporating the contents in the Syllabus. Academic Council considered the recommendations of the BoS regarding the Curriculum and Syllabus. After detailed discussions, the Academic Council resolved to grant approval for the Curriculum and Second-year (Semesters S3 and S4) Syllabus of the B.Tech Electrical and



	Computer Engineering Programme. Suggestions from the Council regarding the introduction of more electives and industry exposure were noted for future action.
Subject AC8.07	Consideration of the Revised Curriculum and the Second Year (Semesters S3 and S4) Syllabus of the B.Tech Degree Programme in Computer Science and Engineering under the Autonomy 2020 Scheme (Revised) for approval.
Decision	Chairman apprised the Council that the Curriculum and Syllabus of the B.Tech Computer Science and Engineering Programme, under the original 2020 Scheme, was revised in 2022 to incorporate minor revisions in the Scheme and Syllabus to bring in some changes according to the stakeholder feedback. HoD, Dept of CSE presented the updates of the Curriculum and Second-year(Semesters S3 and S4) syllabus of the B.Tech Computer Science and Engineering. Academic Council considered the recommendations of the BoS regarding the Curriculum and Syllabus. After detailed discussions, the Academic Council resolved to grant approval for the revised Curriculum and Second-year (Semesters S3 and S4) Syllabus of the Programme.
Subject AC8.08	Consideration of the Revised Curriculum and the Second Year (Semesters S3 and S4) Syllabus of the B.Tech Degree Programme in Electrical and Electronics Engineering 2020 Autonomy Scheme(Revised) for approval
Decision	Chairman apprised the Council that the Curriculum and Syllabus of the B.Tech Electrical and Electronics Engineering Programme, under the original 2020 Scheme, was revised in 2022 to incorporate minor revisions in the Curriculum, Scheme and Syllabus to bring in some changes according to the stakeholder feedback. HoD, EED presented the updated Curriculum and Second-year syllabus of the Programme. Council suggested allocating more hours for microprocessors, microcontrollers and related topics in the Syllabus to enhance the employability of the graduates as it could be a crucial topic in automation, control, etc. Academic Council considered the recommendations of the BoS regarding the Curriculum and Syllabus. After detailed discussions, the Academic Council resolved to grant approval for the revised Curriculum and Second-year (Semesters S3 and S4) Syllabus of the B.Tech Electrical and Electronics Engineering Programme.
Subject AC8.09	Consideration of the Syllabus of the Semesters M2, M3, and M4 of the M.Tech Degree Programmes in the Autonomy 2022 Scheme for approval, including the list of MOOC Courses.
Decision	Chairman apprised the Council that the revised curriculum of the PG course attaches more emphasis to the project in the second year. Council enquired about the distinction between a dissertation and a research project which was clarified by Dr. Paul Thomas. Dr. Jisha SV, HoD, CED presented the Curriculum and syllabus of the M2, M3, and M4 semesters of the M.Tech Programmes in (a) Structural Engineering and (b) Transportation Engineering. Dr. Jisha John, HoD, CSED presented the Curriculum and syllabus of the M2, M3, and M4 semesters of the MTech Programme in Computer Science and Engineering.



	<p>Dr. Jayakumari J, HOD ECED, presented the Curriculum and syllabus of the M2, M3, and M4 semesters of the MTech Programmes (a) Telecommunication Engineering and (b) IoT and Sensor Systems in the ECE department.</p> <p>Dr. Nisha G.K, HoD, EED presented the Curriculum and syllabus of the M2, M3, and M4 semesters of the MTech Programme in Power Control and Drives.</p> <p>Dr Remil George HoD, and Dr. Rajesh TN, HoD(former), MED presented the Curriculum and syllabus of the M2, M3, and M4 semesters of the MTech Programme in Machine Design.</p> <p>Council enquired about the possibility of students doing their projects in the industry and the necessary regulations to ensure quality in the externally completed projects. Chairman explained the provisions for the students. Dr.Neethu Roy explained the provisions for PG students to do internships externally and the steps taken to ensure quality.</p> <p>Academic Council considered the recommendations of the BoS regarding the Curriculum and Syllabus. After detailed discussions, the Academic Council resolved to grant approval for the Curriculum and the Syllabus of the Semesters M2, M3, and M4 of the seven M.Tech Degree Programmes of the 5 Departments.</p> <p>Chairman appraised the Council that the Departments had prepared a list of NPTEL/SWAYAM MOOC courses based on availability on the Swayam Portal. The Council examined the proposed lists of MOOC courses and approved the same for adoption for the M.Tech Programmes. Also authroised Chairman to permit additional MOOC Courses from the SWAYAM portal if required.</p>
<p>Subject AC8.10</p>	<p>Consideration of the list of MOOC Courses and Electives for the B.Tech Programmes for the Honours and Minor for approval</p>
<p>Decision</p>	<p>Chairman apprised the Academic Council that the Departments had prepared a list of approved MOOC courses based on availability on the NPTEL/Swayam Portal of the Government of India and got it vetted by the BoS. The Council examined the proposed lists of MOOC courses and approved the same. Council had also permitted the Chairman to allow the students to take any other MOOC Course other than the approved ones if found necessary.</p>
<p>Subject AC8.11</p>	<p>Consideration of the Academic Calendars for the Even Semester for UG and PG for the current Academic year 2022- 2023 for approval.</p>
<p>Decision</p>	<p>Chairman apprised the Academic Council that the College prepares the Academic Calendar keeping 75 instructional days and a total of 90-100 days including ESE in a semester. It was also mentioned that the time management was effectively done so that the first B.Tech batch of 2020 admission under autonomy would graduate in May/June 2024 and all the other batches correspondingly in May June of the fourth year. The pandemic conditions and the delayed admission in 2020,2021,and 2022 had caused the staggering of the semesters and the College had been preparing different Calendars for different batches with greater difficulty.</p> <p>The Academic Council examined the proposed Academic Calendars for the Academic year 2022- 2023 and approved the same for implementation. Council had also appreciated the efforts taken by the College and the Faculty in managing the teaching-learning process very well to enable the completion of the Courses without any lag.</p>



Subject AC8.12	Consideration of the additional list of Examiners for the UG and PG Examinations for approval.
Decision	Controller of Examinations presented the additional list of Examiners of the respective Departments for approval. The Academic Council examined the list and approved the same and also ratified the actions taken in appointing Examiners for various Examinations post facto.
Subject AC8.13	Consideration of the amendment in the Rule R11 of the B.Tech Regulations 2020 under autonomy.
Decision	<p>Chairman apprised the Council that as per Para R11 of the B.Tech Regulations 2020 under autonomy one student has to appear for the re-test if he/she is absent for any one or both the tests as part of the continuous assessment. The entire syllabus of the course shall be covered in the re-test in three hours. This leads to difficulties for the students as they have to study the entire syllabus of the course. So, there were feedback for re-considering the provision in this Regulation so that one student needs to write a re-test which he/she has missed and the portion for the same could be limited to that of the Test which was missed by the respective student. Affiliating University was also following the relaxation during and after Covid 19 pandemic.</p> <p>After due deliberations, the Academic Council approved the proposed amendment and also ratified the actions taken by the Chairman in this regard. Accordingly a student who missed both the tests will have to appear for three hour examination, otherwise two hour.</p>
Subject AC8.14	Consideration of the Curriculum Framework for the proposed new B.Tech Curriculum and the Scheme 2023 under autonomy.
Decision	<p>Chairman informed the Council that the College had embarked on the revision of the B.Tech Curriculum with a plan to implement the new Curriculum in the academic year 2023-2024. Chairman presented an overview of the Curriculum where the total academic credits to be earned would be 160. Council instructed to explore the means for addressing the policy matters given in the NEP 2020.</p> <p>Chairman presented the proposed action plan for the Curriculum revision and the processes for getting inputs from the various stakeholders. Chairman mentioned that due emphasis would be given for innovations in the content, delivery and the evaluation methods while framing the new curriculum. It was also informed that care would be taken to develop the Faculty competency and infrastructure commensurate with the requirements in the new Curriculum.</p> <p>During the discussions, members of the Council suggested that provision should be available for sending students to the industry for the project works by allocating the entire final semester of the programme exclusively for doing project work (except for MOOC courses) as this would lead to better employability and student research. Council appreciated the efforts taken by the College in utilizing the freedom given by the Autonomy.</p> <p>Council approved the proposed framework for the curriculum. Departments were directed to build the Curriculum based on the skeletal framework and seek the statutory approvals from BoS and Academic Council on time.</p>
Subject	Letter from NBA granting accreditation for the five B.Tech Programmes



AC8.15	
Decision	<p>Chairman tabled the letter from NBA by which NBA had communicated the granting of accreditation for the following five B.Tech Programmes for another three years(for the third time) which would be valid till 30 June 2025.</p> <ol style="list-style-type: none">1. B.Tech Civil Engineering2. B.Tech Computer Science and Engineering3. B.Tech Electronics and Communication Engineering4. B.Tech Electrical and Electronics Engineering5. B.Tech Mechancial Engineering <p>Academic Council congratulated the MBCET Team on this achievement and urged to look for full accreditationin for all the Programmes in the next immediate chance.</p>
Subject AC8.16	Ratification of the action by the Principal to grant condonation of shortage of attendance for a girl student citing reasons of leave as obligatory religious purpose.
Decision	<p>Chairman apprised the Council that condonation of shortage of attendance was permitted for a girl student as a special case by the Principal, where the reason for leave was her own marriage. As per the Rule 17.2 in the B.Tech Regulations 2020 of the College the condonation of shortage of attendance up to 15% would be granted on medical grounds. Chairman mentioned that the request was considered in favour of the student as the reason for leave was falling under the category of “obligatory religious purposes”. Academic Council ratified the action taken by the Principal.</p>

The Member Secretary proposed the Vote of Thanks.
The meeting adjourned at 12:45 PM with thanks to the Chair.

Date. 22.04.2023

Member Secretary

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Draft approved for circulation

CHAIRMAN

Date: 23.07.2023