

**TKM COLLEGE  
OF ENGINEERING**  
(GOVERNMENT AIDED AND AUTONOMOUS)



celebrating 60 years of excellence

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**MINUTES OF MEETING**  
2<sup>nd</sup> ACADEMIC COUNCIL MEETING  
27<sup>TH</sup> MAY 2023

[www.tkmce.ac.in](http://www.tkmce.ac.in)

## ACADEMIC COUNCIL

The Second Academic Council was held on May 27, 2023, at 11 a.m. in the Council Hall. Among the 35 members, three were absent, and eight members attended the meeting online.

### Agenda of Meeting

1. Welcome and Introductory Remarks by the Chairman
2. Previous minutes and action taken report
3. Approval of the proposal from the Curriculum Committee
  - 3.1 B.Tech Regulation and Curriculum framework 2023
  - 3.2 B.Arch Regulation and Curriculum 2023
  - 3.3 MCA Regulation and Curriculum 2023
4. Regulation and Curriculum 2022 of M.Tech, MPlan and PhD
5. Approval of proposal to conduct Supplementary examinations
6. Ratification of various items
  - 6.1 UG & PG Syllabus for 2022 admission batch
  - 6.2 M.Tech Curriculum 2022 of Industrial Safety and Engineering
  - 6.3 Corrections in UG and PG Regulation and Curriculum 2022
  - 6.4 Corrections & modifications in Examination Manual 2022
  - 6.5 Academic Calendar -Even Semester 2023
  - 6.6 Panel of Board of Examiners recommended by BoS
7. Application of New B.Tech Program
8. Any Other item

### Members

1. Dr. T. A. Shahul Hameed, Chairman
2. Sri S. Kasthuriengan, Professor (Retired), IISC, Bangalore
3. Dr. Sameer S. M., Dean(Academics), NIT Calicut
4. Sri. P H Kurian., IAS (Rtd)
5. Sri. Chandra Koduru., Vice President & Head, India Operations at eClinical Solutions
6. Sri. Afsal Musaliar., Managing Director, Supreme Group of Companies, Kollam (Absent)
7. Sri. Anwar Musaliar., Program Manager, Ernst and Young
8. Dr. Ajayan K. R., Professor & Head , Department of Electronics & Communication, College of Engineering, Thiruvananthapuram (Absent)
9. Dr. Salim A., Professor, Department of Computer Science and Engineering, Government Engineering College, Thrissur
10. Dr. Hari V. S., Professor, Department of Electronics & Communication, College of Engineering, Chengannur
11. Dr. Sajeeb R., HoD, Civil Engg. Dept.
12. Dr. Dileep P. N., HoD, Mechanical Engg. Dept.
13. Dr. Sabeena Beevi K., HoD, Electrical and Electronics Engg. Dept
14. Prof. Shabeer S., HoD, Electronics and Communication Engg. Dept.
15. Dr. Saibi R., HoD, Chemical Engineering Dept.

16. Dr. Dimple A. Shajahan., HoD, Computer Science and Engineering Dept.
17. Dr. Annie John., HoD, Architecture Dept.
18. Dr. Fousia M. Shamsudeen., HoD, MCA Dept.
19. Dr. Teena Liza John., HoD, Mathematics Dept.
20. Dr. Shemim S. S., HoD, Physics Dept.
21. Dr. Habeeb Muhammed M. A., HoD, Chemistry Dept.
22. Dr. Manesh Rasheed., HoD, Physical Education Dept.
23. Dr. Imthias Ahammed., HoD, Self-Financing PG Programs
24. Dr. Anu V. Thomas., Controller of Examinations
25. Dr. Ansamma John., Dean, UG
26. Dr. Adarsh S., Dean, PG
27. Dr. Ashfak. A., Dean, Student Affairs
28. Dr. Sadiq A., Dean, Research
29. Dr. Mohammed Sadhikh, Dean, Entrepreneurship & Continuing Education
30. Dr. Reby Roy K. E., Dean, International Collaborations & Placements
31. Dr. Sudheer A., Dean, Alumni Affairs (Absent)
32. Dr. Bijuna Kunju K., Professor, Electrical and Electronics Engg. Dept
33. Dr. Shafi K. A., Professor, Mechanical Engineering Department
34. Dr. Santhosh Kumar K G., Associate Professor, Department of Architecture
35. Dr. Anzar S M., Assistant Professor, Electronics and Communication Engg. Dept.
36. Dr. Muhammed Siddik A., Dean(Administration), (Member Secretary)

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### **Agenda item : 1**

#### **Welcome and Introductory remarks by the chairman**

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The meeting started with a silent prayer. A moment of silence observed in memory of Janab Thangal Kunju Musaliar, the founder. The Chairman welcomed all members of the Academic Council and made a short presentation about the admission status of first autonomous batch ( 2022 Admission), academics, research, examination system and results, sports and latest alumni news.

<b>Resolution of Agenda item No. 1</b>
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<b>The Academic Council noted the presentation of the chairman</b>
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### **Agenda Item : 2**

#### **Previous minutes and Action taken report**

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The previous minutes and the action taken report are presented before the academic council.

### **Resolution of Agenda item No. 2**

The Academic council approved the previous minutes and action taken report of first academic council decisions.

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## **Agenda Item : 3**

### **Approval of the proposal from the Curriculum Committee**

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The following list of proposals are submitted by the Curriculum Committee are considered by the academic council

#### ***3.1 B.Tech regulations and Curriculum 2023 frameworks***

#### ***3.2 B. Arch Regulations and Curriculum 2023***

#### ***3.3 MCA Regulations and Curriculum 2023***

The detailed regulations and curriculum are provided to all members. After detailed deliberations, the council resolved the following;

Chairman presented the major highlights of B.Tech Curriculum 2023 in the meeting.

The members Shri.P.H.Kurian, Prof.KasturiRengan, Shri.Chandra Koduru, Dr.Salim A, Dr.Hari V S and Shri.Anwar Musaliar commented that the presented curriculum envisages a broader perspective in terms of its depth, industry involvement and internships and suggested some small corrections for incorporating while detailing with the actual courses. Dr.Sameer S M, while accepting the broader outlook of the presented framework, has expressed major concerns in the feasibility of implementation, since it reflects major changes from the running curriculum and proposes more number of categories with different marks distributions and evaluation patterns, that the system may not afford. However, the chairman expressed full confidence in the capacity of the college to deliver the changes proposed, and the council agreed and resolved to proceed with the submitted draft framework curriculum 2023

#### **Following Changes are recommended in B-Tech Regulations 2023, by the members**

- **23R1.7** B. Tech (Minor) to be changed to B.Tech with Minor Specialization
- **23R3.7.9-II**, The first sentence to be rewritten as “ *The students can opt internship during eighth semester,.....*” Instead of “ *The students can opt internship during eight semesters,.....*”
- **23R3.7.9-IV**, “ *Internal internship supervisor shall be a member of project evaluation committee along with other project evaluation committee members, It is desirable that external supervisor from industry also shall be a member of evaluation committee.*”,  
Instead of  
“ *Internal supervisor and external supervisor from industry must be a part of the interim and final presentation.....*”
- Clause number to be checked and error to be corrected and to ensure no duplication in clause number exists.

- **23R3.12** *“The Curriculum shall include multiple course baskets for Honor/Minor and multiple course list for PEC/OEC under each department. The department shall have the right to decide the course basket/course from the list to be floated.....”*,  
instead of  
*“The Curriculum shall include multiple Honor programs/Minor programs/PEC/OEC under each department. The departments have the right to decide the programs to be floated.....”*
- **23R4.1 & 23R4.3** The word “ academic section” to be replace with “ Institution”
- **23R6.1** *“ There shall be one senior faculty advisor (SFA) for a batch in the department and a faculty advisor (FA) each for 25 to 35 students. The Principal shall assign a regular faculty member with minimum of five year of experience as the SFA as recommended by HoD”*  
instead of  
*“ There shall be one senior faculty advisor (SFA) for a batch in the department and a faculty advisor (FA) each for 25 to 35 students. The Principal shall assign a regular faculty member with minimum of five year of experience as the SFA as recommended by HoD”* instead of *“ There shall be one senior faculty advisor (SFA) for a class and a faculty advisor (FA) each for 25 to 35 students in the class. The Principal shall assign a regular faculty member with minimum of five year of experience as the SFA in discussion with the Head of Department concerned”*
- **23R8.2.1** delete Viva/week mentioned as part of class work marks
- **23R8.2.1** Course 2-0-2-2 Mark distribution to be modified by reducing the internal assessment component of theory part.
- **23R8.2.3** Mini Project/ Research based mini project- “external expert” to be removed

**Resolution of Agenda item 3:**

1. The Academic Council resolved to approve the draft B.Tech Curriculum framework 2023 submitted by the curriculum committee for coming batches till further revision.
2. The Academic Council resolved to approve the B.Tech Regulations 2023 with the above noted corrections in the draft B.Tech regulations 2023 submitted by Curriculum committee
3. The Academic Council entrusted all BoS to prepare branch specific B. Tech Curriculum 2023 within the provisions of approved curriculum framework 2023.
4. The Academic Council entrusted all BoS to prepare detailed syllabus of first year course coming in the B.Tech curriculum 2023
5. The Academic Council resolved to approve the B. Arch Regulations and Curriculum 2023
6. The Academic Council resolved to approve the MCA Regulations and Curriculum 2023.
7. The Academic Council resolved to entrust Chairman, Academic Council to do the corrections in the curriculum and regulation 2023 in the nature of typographic and grammatic error noticing in the draft documents submitted in this academic council meeting.

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## **Agenda Item : 4**

### **Regulations and Curriculum 2022 of M.Tech., MPlan., and PhD**

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Regulations and curriculum 2022 of M.Tech., M.Plan., and PhD adopted from APJAKTU for the 2022 admission batch are newly introduced by the university, and the present batch of students is the first batch of the 2022 PG curriculum in among all institutions affiliated to APJAKTU.

After deliberations about the proposal, the council resolved to continue with M.Tech., MPlan and PhD Regulations and Curriculum 2022 for coming batches

#### **Resolution of Agenda item No. 4:**

The Academic Council resolved to adopt M.Tech., MPlan and PhD Regulations and Curriculum 2022 for coming batches till further revision.

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## **Agenda Item : 5**

### **Proposal to conduct Supplementary examinations**

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#### **5.1 Supplementary examination for 2022 scheme PG Programs**

A proposal was received by the principal for a decision on conducting the supplementary examination of odd semester courses along with the even semester course exam schedule for students of the 2022 scheme PG program.

Members noted that, this is a good proposal for the benefit of the students, and the council resolve to approve the proposal.

#### **Resolution of Agenda item No. 5.1:**

The Academic Council decided to conduct Supplementary examinations of Odd semester 2022 scheme PG students along with the Even semester course exams.

#### **5.2 Supplementary examination for 2022 scheme UG Programs**

##### **As per the existing academic regulations 2022**

*“R6.2 The ESE shall be held twice in a year – May/June session (for even semesters) and November/December session (for odd semesters). However, the ESE of the VII and VIII Semesters shall be conducted in both the sessions.”*

With the provision read above, the supplementary examinations for I,II,III,IV,V, and VI

semester UG courses will be held along with the regular examination of the next batch. It may

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## **Agenda Item : 6**

### **Ratification of following items**

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be noted that most of the companies coming for campus placement permit the students to attend their exam/interview if the student has no pending arrears up to the fifth/sixth semester. In this context, it seems better to consider scheduling a supplementary examination for I and III semester courses in the vacation time of the IV semester (i.e., May/ June 2024). The V semester supplementary examinations along with the VI semester (i.e., May/ June 2025) in addition to the provisions of R6.2 of academic regulation 2022.

The council discussed the proposal and resolved to approve the proposal

#### **Resolution of Agenda item No. 5.2:**

The Academic Council resolved to approve to conduct supplementary examinations for 2022 scheme I & III semester courses in the vacation time of IV semester (i.e., May/ June 2024) and V semester supplementary examinations along with VI semester (i.e., May/ June 2025) in addition to the provisions of R6.2 of academic regulation 2022.

### **6.1 UG & PG Syllabus for 2022 admission batch**

It was resolved in the first academic council that the academic council authorized the principal to approve the syllabus submitted by the respective BoS and to ratify it in the next academic council meeting.

Accordingly, all the BoS meeting were held as listed

- a) *BoS Civil Engineering meeting held on 10/10/2022*
- b) *BoS Mechanical Engineering meeting held on 07/10/2022*
- c) *BoS Electrical & Electronics Engineering meeting held on 07/10/2022*
- d) *BoS Electronics and Communications Engineering meeting held on 07/10/2022*
- e) *BoS Chemical Engineering meeting held on 08/10/2022*
- f) *BoS Computer Science Engineering meeting held on 07/10/2022*
- g) *BoS Architecture meeting held on 08/10/2022*
- h) *BoS MCA meeting held on 07/10/2022*

and prepared the syllabus for the respective departments and submitted it to the principal for approval. Accordingly, the principal approved the syllabus.

#### **Resolution of Agenda item No. 6.1**

The Academic Council ratified the chairman's decision for approval of the UG & PG syllabus 2022

## 6.2 M.Tech Curriculum 2022 of Industrial Safety and Engineering

The BoS Chemical Engineering recommends the following changes to the M.Tech Curriculum 2022 (INDUSTRIAL SAFETY AND ENGINEERING). As the semester classes are progressing, considering its importance, the principal approved the BoS recommendation and forwarded it to the university, subject to ratification by the academic council.

Sl. No.	Semester	Course Code	TKMCE Curriculum 2022	BoS-Chemical Engineering Recommendations
1	S1 (Slot A)	221TCH101	Probability and statistics for safety engineering	Probability and reliability for safety engineering
2	S1 (Slot C)	221TCH103	Risk analysis and hazard assessment	Safety management
3	S1 Programme Elective -1 (Slot D)	221ECH111	Safety engineering – I	Safety in construction
4	S1 Programme Elective -2 (Slot E)	221ECH104	Safety in food & bioprocess engineering	Food safety management systems & sanitation
5	S2 (Slot B)	221TCH202	Safety management	Risk analysis and hazard assessment
6	S2 Programme Elective -3 (Slot C)	222ECH205	Safety engineering – ii	Computer programming & software tools in hazard analysis
7	S2 Programme Elective -3	222ECH207	Safety in powder Handling	Safety in material handling
8	S2 Programme Elective -3 (Slot C)	222ECH209	Safety in hazardous Material transport	Safety in engineering industries
9	S2 Programme Elective -4 (Slot D)	222ECH202	Nuclear engineering & safety	Safety in hazardous material transport
10	S2 Programme Elective -4 (Slot D)	222ECH204	Iso 45001 & iso 14000	Nuclear engineering & safety

**Resolution of Agenda item No. 6.2**

The Academic Council approved the decision of Chairman on the corrections made on the M.Tech Curriculum 2022 of Industrial Safety and Engineering.

**6.3 Corrections in UG and PG Regulations and Curriculum 2022**

The first academic council resolved to adopt the APJAKTU curriculum 2019 for the UG program and the APJAKTU curriculum 2022 for the PG programme.

Following corrections are required in the TKMCE curriculum 2022 for aligning the course with KTU curriculum and the discussions are made in the meeting . Council decided to approve the corrections noted for making the curriculum 2022 to align with APJAKTU curriculum.

**6.3.1 Correction in M.Plan Curriculum 2022**

Seme ster	Course code	Slot	As per TKMCE Curriculum 2022		Correction made to align with KTU Curriculum	
			Course	L-T-S	Course	L-T-S
S1	22MPC101	A	Urban Planning: History, Theory and Systems	3-0-0	Urban Planning: History, Theory and Systems	2-1-0
	22MPC102	B	Planning Techniques	2-1-0	Planning Techniques	1-2-0
	22MPC103	C	Housing	3-0-0	Housing	2-1-0
	22MPH101	D	Research Methodology	3-0-0	Research Methodology and Analytical Methods	2-1-0
	22MPH102	E	Socio-Economic Base for Planning	3-0-0	Socio-Economic Base for Planning	1-2-0
S2	22MPC201	A	Metropolitan Planning	3-0-0	City and Metropolitan Planning	1-2-0
	22MPC202	B	Infrastructure Planning	2-1-0	Infrastructure, Traffic and Transportation Planning	2-1-0
	22MPC203	C	Planning Legislation and Governance	3-0-0	Planning Legislation and Governance	2-1-0
	22MPC204	D	Regional Planning	3-0-0	Regional Planning and Resource Development	2-1-0
	22MPPE201	E	Elective I	2-0-0	Department Elective I	1-1-0
	22MPPE201.		Inclusive Planning		Inclusive Urban	

	4				Planning	
S3	22MPC301	A	Sustainable Urban Planning	3-0-0	Sustainable Urban Planning	2-1-0
	22MPC302	B	Development Management and Finance	2-0-0	Development Management and Finance	1-1-0
	22MPPE301	C	Elective II	2-0-0	Department Elective I	1-1-0
	22MPPE302	D	Elective III	2-0-0	Stream Elective	1-1-0
	22MPPE301.1		Village Planning and Development		Village Planning and Rural Development	
	22MPPE302.3		Energy and Climate Change		Energy, Climate Change and Urban Development	
S4	22MPS401	S	Thesis	0-0-12	Planning Thesis	0-0-26

### 6.3.2 Correction in M.Tech Curriculum 2022

Semester	As per TKMCE Curriculum 2022	Correction made to align with KTU Curriculum
S1	221TCE0010 Analysis and design of pavement systems	<b>221TCE010</b> Analysis and design of pavement systems
S2	222TCS0100 Advanced Data Structures and Algorithms	<b>222TCS100</b> Advanced Data Structures and Algorithms

### 6.3.3 Correction in B. Arch Curriculum 2022

Semester	Course code	As per TKMCE Curriculum 2022	Correction made to align with KTU Curriculum
S1	22ARC102	Mathematics for Architectural Applications	Mathematics
	22ARK102	Communication Skills and Techniques for Architecture	Communication Skills and Techniques
S2	22ARS203	Architectural Graphics and Visual Arts II	Architectural Graphics and Drawing II
S5	22ARE501	Elective	Elective I
S6	22ARB601	Building Materials, Construction Techniques VI	Building Materials, Construction Techniques and Working

			Drawing			
S8	22ARE801	22ARE802 Elective IV	22ARE801 Elective III			
S10	22ARD1001	Architectural Thesis	Architectural Design Thesis			
<b>Correction in Marks Distribution</b>						
	<b>Course code</b>	Course Title	<b>As per TKMCE Curriculum 2022</b>		<b>Correction made to align with KTU Curriculum</b>	
			Maximum Marks		Maximum Marks	
			CIA	ESE	CIA	ESE
S6	22ARD601	Architectural Design V	60	40	50	50
S9	22ARD901	Architectural Design VII	60	40	50	50
S10	22ARD1001	Architectural Thesis	300	200	250	250

#### 6.3.4 Correction in M.Tech Regulations 2022

First academic council resolved to adopt the M.Tech regulations of 2022 followed by APJAKTU for TKMCE first autonomous batch. At the time of first academic council meeting, the APJAKTU M.Tech 2022 regulations were not officially released in the university portal and hence the TKMCE M.Tech regulation 2022 are made in line with the draft regulation of APJAKTU M.Tech regulation 2022. While comparing with the APJAKTU final regulation of M.Tech 2022, following mismatches are identified.

Academic council considered the following changes in the M.Tech Regulations 2022 to align the same with published regulation 2022 of APJAKTU and resolved to approve the changes.

Sl. No.	Clause ref.	Item description in TKMCE M.Tech Regulations 2022	Correction to be made to align with KTU Regulations
1	R2.3	Semester Scheme: “.....Each semester shall have a minimum of 72 working days. The total contact hours shall normally be 29 hours per week including teaching	The programme shall span four semesters. First and second semester shall have a minimum of 75 instruction days followed by the end semester examination. Third semester shall have a minimum of 60 instruction days followed by the end semester examination. Fourth semester shall have a minimum of 90 instruction days followed by the end semester examination. The total contact hours shall normally

		assistance.”	be 29 hours per week including teaching assistance.
2	R2.5	Class Committee Meetings	To replace it with Departmental Level Academic Committee (DLAC)
3	R2.6	The minimum number of credits for successful completion of the M. Tech programme of any specialization is 70	The minimum number of credits for successful completion of the M. Tech programme of any specialization is 68
4	R5.18	“F” grade – Below 50%(CIE+ESE) or below 50% for ESE	“F” grade – Below 50%(CIE+ESE) or below 45% for ESE
<b>Correction Required</b> <ol style="list-style-type: none"> <li>1. Table number referred in R4.3 to be changed from Table 2 to Table 6</li> <li>2. Table number referred in R5.24 to be changed from Table 3 to Table 7</li> </ol>			

### **Resolution of Agenda item No. 6.3**

The Academic council approved all the corrections noted in the Agenda item No. 6.3.1, 6.3.2, 6.3.3 & 6.3.4

## **6.4 Corrections & modifications in Examination Manual 2022**

Following modifications suggestions in the examination manual received from the controller of examination office are considered by the academic council

### **6.4.1 Modification of Clause 4.1.1.2 of Examination Manual 2022**

Clause 4.1.1.2 says, *“In no case shall an internal faculty be allowed to scrutinize the question paper of their own course; this should be ensured by Chairperson, Scrutiny Board, and CoE.”*

#### **Modified Clause 4.1.1.2**

*“In no case shall an internal faculty be allowed to scrutinize the question paper of their own course; this should be ensured by Chairperson, Scrutiny Board, and CoE. However, the Controller of Examination exercises his/her discretion in unavoidable circumstances so as to allow internal faculty to scrutinize question papers of his/her course.*

#### **6.4.2 Dean (Administration) to be included in the Examination Management Committee**

Dean (Administration) to be included as a member in the Examination Management Committee referred to in Clause 2 of the Examination Manual 2022.

The above listed modifications in the examination manual are approved by the Chairman, academic council subject to the ratification of academic council

##### **Resolution of Agenda item No. 6.4**

The Academic council resolved to approve the changes made in the examination manual 2022

#### **6.5 Academic Calendar -Even Semester 2023**

Academic calendar for the 2022-23 Even semester was considered by the academic council and resolved to approve.

##### **Resolution of Agenda item No. 6.5**

The Academic Council approved the 2022-23 Even semester academic calendar

#### **6.6 Panel of Board of Examiners recommended by BoS**

All BoSs have submitted the recommendation of the examiner panel for the odd and even semesters. The same was approved by the chairman, subject to the approval of the Academic Council.

The decision of the chairman on above item was considered by the Academic Council and resolved to approve the decision of chairman.

##### **Resolution of Agenda item No. 6.6**

The Academic council ratified the decision of the chairman on panel of examiner for Odd and Even semester 2022-23

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#### **Agenda Item : 7**

#### **Application of New B.Tech Program**

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Chairman, Governing Body (GB) has directed Principal to apply to the AICTE /APJ Abdul Kalam Technological University /Government for the introduction of B.Tech Computer Science and Engineering (**Cyber Security**) with a sanctioned strength of 60 seats in TKM College of Engineering , Kollam from the Academic Year 2023-24.(Resolution dated 29/08/2022 from G.B).

Accordingly, the principal has applied to the AICTE for the same with an NOC from APJA KTU.

**Resolution of Agenda item No. 7**

The Academic Council ratified the decision of chairman on submitting application for New B.Tech Program (Cyber Security) with a sanctioned strength of 60 seats.

The Chairman proposed to conduct next academic council within a two week time for considering the branch specific curriculum and first year (S1 & S) syllabus, the council agreed to proceed like that.

Chairman thanked all members for active participation and valuable suggestion's given.

Meeting ended on 12.40PM.