AMITY UNIVERSITY
MADHYA PRADESH
(Established by Ritnand Balved Education Foundation)

BOARD OF STUDIES (Civil Engineering)
MINUTES OF THE MEETING
(06 Pages Only)

1. A meeting of Board of Studies (BoS) of Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Madhya Pradesh was held on 23 Feb. 2023 at AUMP, under the Chairmanship of Prof. Anshul Gangele, Director (ASET). The following members attended the meeting: -

   (a) **Chairman:** Prof. Anshul Gangele, Director (ASET)

   (b) **Member:**

   i) Dr. Madhuri Kumari, Professor, Department of Civil Engineering, AUUP Noida.

   ii) Dr. V.K. Gupta, Associate Professor and Head of Civil Engineering, Amity University Madhya Pradesh, Gwalior, Member.

   iii) Dr. Mohan Kantharia, Associate Professor, Civil Engineering, Amity University Madhya Pradesh, Gwalior, Member.

   iv) Dr. Ripunjoy Gogoi Asst. Professor, Civil Engineering, Amity University Madhya Pradesh, Gwalior, Member.

2. **The agenda of the meeting included the following:**

   (a) Review and discussion on Curriculum of B. Tech (Civil Engineering) Program for 2023-27 Batch.

   (b) Review and discussion on Curriculum of M. Tech (Civil Engineering) and M. Tech (Structural Engineering) Program for 2023-25.

   (c) Discussion on trends and technologies in Civil Engineering and consideration of its inclusion in syllabus.

   (d) Any other point with due permission of the Chairperson.

3. **Discussions/Comments:**

   a. (i) Discussion: The syllabus of the subjects offered by B.Tech. (Civil Engineering) 2023-27 batch was presented before the members of the Board of Studies. The scheme and syllabus of the courses have been reviewed.

   (ii) Comments: The existing Scheme and syllabus is well aligned, and few changes were recommended in the syllabus.

Director-ASET
Amity University Madhya Pradesh Gwalior

b. (i) Discussion: The syllabus of M. Tech, CBCS and Pre PhD course work subjects was presented to BOS members and reviewed.

(ii) Comments: The syllabus of PhD, M. Tech., CBCS subjects is well aligned and need no change.

4. **Recommendations:**
B. Tech. Program

(a) The Scheme and syllabus of the subjects to be offered by the Civil Engineering Department to B. Tech. CE for batch 2023-27 was presented before the members of the board of studies. The BOS members approved the CE curriculum and syllabus. **(Refer Annex-1)**

i) The syllabus of Basic Civil Engineering and Applied Mechanics (CIV 101) has been revised as per the credits allowed.

ii) Life Science/Biology for Engineering (CIV 309) has been replaced by new subject Construction Materials and Techniques (CIV 310).

iii) Credits of Civil Engineering and Energy (CIV 308) reduced from 4 to 2.

iv) Mechanical Engineering (BME 104) and Basic Electronics Lab has been dropped.

v) Civil Engineering-Societal & Global Impact (CIV 407) and Instrumentation & Sensor Technology for Civil Engineering Application Lab (ECE 427) has been dropped and credits of Solid Mechanics (CIV 405) increased from 2 to 4.

vi) Credits of Hydraulic Engineering (CIV 502) increased from 2 to 3.

vii) Structural Engineering (CIV 503) of credits 4 has been replaced by Structural Analysis (CIV 508) of credits 3 which is newly introduced to provide the separate course on analysis of structures.

viii) The contents of Geometric Design of Highways (CIV 602) and Engineering Economics (BCH 620) have already been covered in the Transportation Engineering (CIV507) and Estimating & Costing (CIV 604) respectively. Therefore, the Geometric Design of Highways (CIV 602) has been replaced by the new subject Railway and Airport Engineering (CIV608) and BCH 620 shifted to Electives A of VII Semester.

ix) Credits of Construction Engineering Management increased from 3 to 4.

x) Credits of Design of Concrete Structures (CIV 701) reduced from 4 to 3.

xi) Credits of Design of Steel Structures (CIV 801) reduced from 4 to 3.

xii) The Earthquake Resistant Design of Buildings (CIV 806) included as compulsory subject and the Airport Planning and Design (CIV 802) included in Electives of VIII - Semester.

xiii) The total hours of the all the theory subjects and practical have been changed to 15 hours per credits as UGC recommendations (NEP).

Vivek P. Jaglan
Director-ASET
Amity University Madhya Pradesh Gwalior

M. Tech Program:

i) There is no change in the scheme and syllabus of the course. The total hours of the all the theory subjects and practical have been changed to 15 hours per credits as UGC recommendations (NEP).

(Refer Annexure-2)

Pre Ph.D.-Course:

There is no change in the scheme and syllabus of the courses. The total hours of the all the theory subjects and practical have been changed to 15 hours per credits as UGC recommendations (NEP).

CBCS:

The credits of the CBCS course reduced from 18 (3+3+3+4+4+1) to 12 (2+2+2+2+3+1) as per NEP.

The changes in Skill Enhancement Course, Ability Enhancement Course and Value-Added Course as per NEP recommendations are given below:

SKILL ENHANCEMENT COURSE:
Credits of French changed from 12 (2+2+2+2+2+2) to 9 (2+2+2+3+0+0).

ABILITY ENHANCEMENT COURSE:
Distribution of credits of Communication Skill (1+1+1+1+1+1= 6) to 6 (2+2+2+0+0+0 = 6)
Inclusion of new Term Paper/Review Paper in fourth semester, Credits = 2.

VALUE ADDED COURSE:
Credits of Behavior Science changed from (1+1+1+1+1+1 = 6) to (0+0+2+ 2+ 0+ 0 = 4).

The total hours of the all the theory subjects and practical have been changed to 15 hours per credits as UGC recommendations (NEP).

All the aforesaid points have been approved by all the board members present at the meeting.

Director-ASET
Amity University Madhya Pradesh Gwalior

Summary of the changes for B. Tech (Civil Engineering) given below: -

Sr. No	Program	Course Title	Old Course Code	No. of Credits	Revision/ Deletion/ Merger in the Syllabus	Merged Course Title & Code	Merged Course Credit	New Course Title	New Course Code	No. of Credits
1	B. Tech (CE)	Life Science/Biology for Engineering	CIV 309	3	Removed	-	-	Construction Materials and Techniques	CIV 310	3
2	B. Tech (CE)	Civil Engineering and Energy Science	CIV 308	4	-	-	-	-	-	2
3	B. Tech (CE)	Mechanical Engineering	BME 104	2	Removed	-	-	-	-	-
4	B. Tech (CE)	Basic Electronics Lab	ECE 327	1	Removed	-	-	-	-	-
5	B. Tech (CE)	Civil Engineering-Societal & Global Impact	CIV 407	2	Removed	-	-	-	-	-
6	B. Tech (CE)	Instrumentation & Sensor Technologies for Civil Engineering Application Lab	CIV 427	1	Removed	-	-	-	-	1
7	B. Tech (CE)	Solid Mechanics	CIV 405	2	-	-	-	-	-	4
8	B. Tech (CE)	Hydraulic Engineering	CIV 502	2	-	-	-	-	-	3
9	B. Tech (CE)	Structural Engineering	CIV 503	4	Removed	-	-	Structural Analysis	CIV 508	3
10	B. Tech (CE)	Geometric Design of Highways	CIV 602	3	Removed			Railway and Airport Engineering	CIV 608	3
11	B. Tech (CE)	Engineering Economics	BCH 620	3	Shifted to Elective 'A' Semester VII	-	-	-	-	-
12	B. Tech (CE)	Construction Engineering & Management	CIV 601	3	-	-	-	Construction Engineering & Management	CIV 601	4

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13	B. Tech (CE)	Estimating and Costing	CIV 604	2	-	-	-	Estimating and Costing	CIV 604	3
14	B. Tech (CE)	Design of Concrete Structures	CIV 701	4	-	-	-	Design of Concrete Structures	CIV 701	3
15	B. Tech (CE)	Design of Steel Structures	CIV 801	4	-	-	-	Design of Steel Structures	CIV 801	3
16	B. Tech (CE)	Airport Planning and Design	CIV 802	3	Shifted to Elective 'A' Semester VIII	-	-	-	-	-
17	B. Tech (CE)	Earthquake Resistant Design of Buildings Elective of VIII Semester	CIV 806	3	Included as a compulsory Subject in VIII Semester	-	-	-	-	-

Director-ASET
Amity University Madhya Pradesh Gwalior

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BOARD OF STUDIES (B.Tech. CE)
MINUTES OF THE MEETING

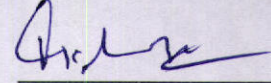**Signature of Members:**
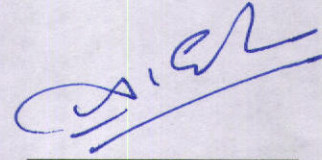
Mr. Mohan Kantharia
(Member)

Dr. Ripunjoy Gogoi
(Member)

Dr. V. K. Gupta
(Member)

Madhuri Kumari

(Absent)
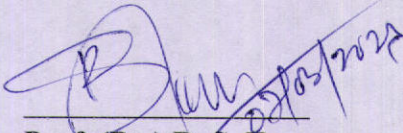
Prof. (Dr.) Madhuri Kumari
External Member

Prof. (Dr.) M. K. Trivedi
External Member

Prof. (Dr.) Anshul Gangele
Chairman- BOS

Prof. (Dr.) R. S. Tomar
Dean Academics
AUMP, Gwalior

Prof. (Dr.) M.P. Kaushik
Hon'ble Pro Vice Chancellor
AUMP, Gwalior

APPROVED BY

Hon'ble Vice Chancellor
AUMP, Gwalior

MEETING OF BOARD OF STUDIES (BOS)
(Civil Engineering)
Amity School of Engineering & Technology
February 2020

Remarks & Suggestions by BOS Members

Director-ASET
Amity University Madhya Pradesh Gwalior

AMITY UNIVERSITY
MADHYA PRADESH
(Established by Ritnand Balved Education Foundation)

Date: 28 / 02 / 2023

BOARD OF STUDIES (Computer Science & Engineering)
MINUTES OF THE MEETING
(08 Pages Only)

1. Board of Studies (BoS) meeting for Department of Computer Science & Engineering, Amity School of Engineering & Technology, Amity University Madhya Pradesh held on 28 February 2023 at AUMP, under the Chairmanship of Prof. (Dr) Anshul Gangele, Director (ASET). The following members attended the meeting: -

   (a) **Chairman:** Prof. (Dr) Anshul Gangele, Director (ASET)

   (b) **Member:**

   i) Dr. Anirban Mitra, Associate Professor & Head, Dept. of Computer Science and Engineering, Amity University, Kolkata - External Member

   ii) Dr. Sanjay Kumar Gupta, Professor & Head, Dept of Computer Science and Applications, Jiwaji University, Gwalior- External Member

   iii) Dr. Hemant Kumar Soni, Associate Professor and Head, Dept. of Computer Science and Engineering, Amity University Madhya Pradesh, Gwalior, Member

   iv) Dr. Subhrendu Guha Neogi, Associate Professor, Dept. of Computer Science and Engineering, Amity University Madhya Pradesh, Gwalior, Member.

   v) Dr. Ashok Kumar Shrivastava, Associate Professor, Dept. of Computer Science and Engineering, Amity University Madhya Pradesh, Gwalior, Member

   vi) Dr. Amit Kumar Mishra, Associate Professor, Dept. of Computer Science and Engineering, Amity University Madhya Pradesh, Gwalior, Member

2. **The agenda of the meeting included the following:**
   (a) Review of M. Tech (Computer Science& Engineering) curriculum for 2023-25 batch.
   (b) Review of B. Tech (Computer Science& Engineering) curriculum for 2023-27 batch.
   (c) Review of B. Tech (Information Technology) curriculum. for 2023-27 batch
   (d) Review of MCA (Master of Computer Applications) curriculum for 2023-25 batch.
   (e) Review of BCA (Bachelor of Computer Applications) curriculum for 2023-26 batch.
   (f) Review of BSc (Information Technology) curriculum for 2023-26 batch.

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Director-ASET
Amity University Madhya Pradesh Gwalior

(g) Review of Specializations (AI & ML, Data Science, Cyber Security and Internet of Things) curriculum for 2023-27 batch.

(h) Review of CBCS curriculum offered by CSE Department.

(i) Any other point with due permission of the Chairperson.

3. **Discussions/Comments:**

a. (i) Discussion: The syllabus of the courses offered in M. Tech (Computer Science & Engineering) 2023-25 Batch was presented before the members of the Board of Studies.

(ii) Comments: The existing Scheme and syllabus are well aligned.

b. (i) Discussion: The syllabus of the courses offered in B. Tech (Computer Science & Engineering) 2023-27 Batch was presented before the members of the Board of Studies.

(ii) Comments: The existing Scheme and syllabus are well aligned, and appropriate changes were recommended.

c. (i) Discussion: The syllabus of the courses offered in B. Tech (Information Technology) 2023-27 Batch was presented before the members of the Board of Studies.

(ii) Comments: The existing Scheme and syllabus are well aligned, and appropriate changes were recommended.

d. (i) Discussion: The syllabus of the courses offered in MCA 2023-25 Batch was presented before the members of the Board of Studies.

(ii) Comments: The existing Scheme and syllabus is well aligned,

e. (i) Discussion: The syllabus of the courses offered in BCA 2023-26 Batch was presented before the members of the Board of Studies.

(ii) Comments: The existing Scheme and syllabus are well aligned, and appropriate changes were recommended.

f. (i) Discussion: The syllabus of the courses offered in B.Sc. (Information Technology) 2023-26 Batch was presented before the members of the Board of Studies.

(ii) Comments: The existing Scheme and syllabus are well aligned, and appropriate changes were recommended.

g. (i) Discussion: The syllabus of the courses offered in Specialization (AI & ML, Data Science, Cyber Security and Internet of Things) was presented before the members of the Board of Studies.

(ii) Comments: The existing Scheme and syllabus is well aligned.

h. (i) Discussion: The syllabus of the courses offered in CBCS was presented before the members of the Board of Studies.

(ii) Comments: A few changes inline with the UGC curriculum and credit framework for undergraduate program (CCFUGP) were recommended in the CBCS subjects offered by CSE department.

Director-ASET
Amity University Madhya Pradesh Gwalior

4. **Recommendations for 2023 Batch onwards:**

   M. Tech Program:
   a) There is no change in the scheme and syllabus of M. Tech (CSE). (Refer Annexure-1)

   B. Tech(CSE) Program:
   a) There are minor changes in the scheme and syllabus of B. Tech (CSE). (Refer Annexure-2)

   B. Tech (IT) Program:
   a) There are minor changes in the scheme and syllabus of B. Tech (IT). (Refer Annexure-3)

   MCA Program:
   a) There is no change in the scheme and syllabus of MCA. (Refer Annexure-4)

   BCA Program:
   a) New Scheme is introduced for BCA according to NEP. (Refer Annexure-5)

   BSc.(IT) Program:
   a) New Scheme is introduced for BSc IT according to NEP. (Refer Annexure-6)

   Specialization:
   a) There is no change in the scheme and syllabus of AI & ML Specialization. (Refer Annexure-7)

   b) There is no change in the detailed syllabus of Data Science Specialization. (Refer Annexure-8)

   c) There is no change in the detailed syllabus of Internet of Things Specialization.
   (Refer Annexure-9)

   d) There is no change in the detailed syllabus of Cyber Security. (Refer Annexure-10)

   Pre Ph.D. Course:

   There is no change in the scheme and syllabus of the courses. (Refer Annexure-11)

   CBCS: The credits of all CBCS courses offered by CSE department for UG students have been reduced from 18 credits to 12 credits as per NEP 2020. (Refer Annexure-12)

   f) MOOC Courses are continue in three courses as per the UGC guidelines (Cloud Computing, Data Analytics and Network Security) as per the following details.

S No.	Name of the Minor Track	MOOC Course by UGC	Course Code	Semester	Credits
1	CBA 402 - Cloud Computing	Cloud Computing	4739	IV	2
2	CBB 102 - Introduction to Data Analytics	Discrete Data Analytics	5726	I	2
3	CBC 402 - Information and Network Security	Computer Network and Internet Protocol	4759	IV	2

5. **Recommendations for 2022 Batch:**
   Math is removed from I and III Sem BCA from 2022 batch. (As per the information received from the competent authority after conduction of BOS for academic year 2022, Math subject(s) (MAT 102 Mathematics – I and MAT 302 Mathematics-III (Computer Oriented Statistical & Optimization Methods)) has been removed. Concern mail is attached with MOM)

   (Refer Annexure-13)

Director-ASET
Amity University Madhya Pradesh Gwalior

6. Recommendation in line with NEP 2020

i. **French:** 09 credits (2+2+2+3) will be offered under Skill Enhancement Courses.

ii. **Communication Skill:** 08 credits (2+2+2+2) will be offered under Ability Enhancement Courses.

iii. **Value Added Courses:** 04 credits each of Environmental (EVS) and Behavioral Sciences will be offered.

All the aforesaid points have been approved by all the board members present in the meeting.

Summary of Changes

		Current Syllabus						Proposed Changes/Modifications		
Sr. No	Program	Course Title	Old Course Code	No. of Credits	Addition/ deletion in the Syllabus	Merged Course Title & Code	Merged Course Credit	New Course Title	New Course Code	No. of Credits
1	BTech CSE	Data Communication and Computer Networks	CSE601	3	Detailed Syllabus is updated	--	--	No Change	No Change	No Change
2	BTech CSE	--	--	--	New Lab course introduced in B.Tech (CSE)	--	--	Data Communication and Computer Networks Lab	CSE621	1
3	BTech IT	Computer Networks	IT601	3	Detailed Syllabus is updated	--	--	No Change	No Change	No Change
4	BTech IT	--	--	--	New Lab course introduced in B.Tech (IT)	--	--	Computer Networks Lab	IT621	1
5	BTech CSE	Simulation and Modeling	CSE706	3	Replace with new course Title and Syllabus in B.Tech CSE & IT	--	--	Applications of Cyber Security	No Change	3
6	BTech CSE	Simulation and Modeling Lab	CSE726	1	Replace with new course Title and Syllabus in B.Tech CSE & IT	--	--	Applications of Cyber Security Lab	No Change	1
7	BTech CSE/IT	Discrete Mathematics	CSE401	4	No Change	--	--	No Change	No Change	3
8	BTech CSE	Analog Electronic Circuits	ECE406	3	Removed from Scheme					
9	BTech CSE	Analog Electronic Circuits Lab	ECE426	1	Removed from Scheme					

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#	Program	Course Name	Course Code	Credits					
10	BTech CSE/IT, BCA/BSc IT	Java Programming Lab	CSE423	2	No Change	--	--	No Change	No Change	1
11	Btech CSE/IT	Design and Analysis of Algorithms	CSE303	4	No Change	--	--	No Change	No Change	3
12	BTech CSE	Theory of Computation	CSE501	4	No Change	--	--	No Change	No Change	3
13	Btech CSE/IT	Introduction to Android Application Development	CSE503	3	No Change	--	--	No Change	No Change	2
14	Btech CSE	Introduction to Web Technologies	CSE505	3	No Change	--	--	No Change	No Change	2
15	Btech CSE/IT	Quantitative Aptitude	CSE602	3	No Change	--	--	No Change	No Change	1
16	Btech CSE/IT	Software Engineering Lab	CSE625	1	Removed from Scheme					
17	Btech CSE/IT	Advanced Problem Solving Techniques	CSE703	2	Removed from Scheme					
18	Btech IT	Formal Languages and Automata Theory	IT401	4	No Change	--	--	No Change	No Change	3
19	Btech IT	Introduction to Web Technologies	CSE505	3	Removed from Scheme					
20	Btech IT	Web Technologies Lab	CSE525	1	Removed from Scheme					
21	CBCS (Network Security)	Introduction to Computer Network	CBC 102	3	No Change	--	--	Computer Network and Application	No Change	2
	BCA/BSc IT	Design and Analysis of Algorithms	CSE303	4	No Change	--	--	Analysis and Design of Algorithms	BCA 503	4
	BCA/BSc IT	Design and Analysis of Algorithms Lab	CSE323	1	No Change	--	--	Analysis and Design of Algorithms Lab	BCA 523	1

Director-ASET
Amity University Madhya Pradesh Gwalior
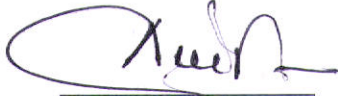
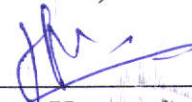# BOARD OF STUDIES (Computer Science & Engineering)
MINUTES OF THE MEETING

Signature of Members:

Dr. Amit Kumar Mishra
(Member)

Dr. Subhrendu Guha Neogi
(Member)

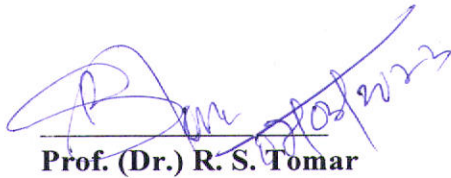Dr. Ashok Kumar Shrivastava
(Member)

Dr. Hemant Kumar Soni
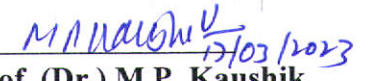(Member)

Dr. Anirban Mitra
External Member

(ABSENT)

Prof. (Dr.) Sanjay Kumar Gupta
External Member

Prof. (Dr.) Anshul Gangele
Chairman- BOS

Prof. (Dr.) R. S. Tomar
Dean Academics
AUMP, Gwalior

Prof. (Dr.) M.P. Kaushik
Hon'ble Pro Vice Chancellor
AUMP, Gwalior

APPROVED BY

Hon'ble Vice Chancellor
AUMP, Gwalior

Date: 09/02/2023

BOARD OF STUDIES (Electronics & Communication Engineering)
MINUTES OF THE MEETING
(04 Pages Only)

1. A meeting of board of studies of Department of Electronics & Communication Engineering, Amity School of Engineering & Technology, Amity University Madhya Pradesh was held on 9ᵗʰ February, 2023 at AUMP, under the Chairmanship of Prof (Dr) Anshul Gangele, Officiating Director (ASET). The following members attended the meeting:-

    (a)   **Chairman:** Prof (Dr) Anshul Gangele , Officiating Director (ASET)

    (b)   **Member:**

         i) Prof (Dr) Parthasarathi Mangipudi, Professor, Amity University Uttar Pradesh, Noida, External Member

         ii) Mr. Pankaj Mittal, General Manager, Surya Roshni Ltd, Gwalior, External Member

         iii) Prof (Dr) Raghavendra Sharma, Professor & Head ECE, Member

         iv) Dr. Vivek Singh Kushwah, Professor, ECE, Member

         v) Dr. Rinkoo Bhatia, Assistant Professor, ECE, Member

2. The agenda of the meeting included the following:
   (a) Curriculum of the B.Tech ECE Program for 2023-27 batch.

   (b) Discussion on Trends and Technologies in ECE and consideration of its inclusion in syllabus.

   (c) Any other point with due permission of the Chairperson.

3. Discussions/Comments:

   a. (i) Discussion: The Scheme and syllabus of the subjects to be offered by ECE Department to B. Tech. ECE and along with the syllabus of the subjects offered by ECE to other departments for batch 2023 -2027 was presented before the members of the Board of studies. The Scheme and syllabus of all the subjects was reviewed.

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(ii) Comments: The existing scheme and syllabus is well aligned and few changes were recommended in few subjects.

b. (i) Discussion: The syllabus of programme B.Tech in ECE for batches 2020-2024, 2021-2025, 2022-2026 and along with the syllabus of the subjects offered by ECE to other departments was presented to BOS members and reviewed.

(ii) Comments: The syllabus of the mentioned batches and the subjects offered by ECE to other departments is well aligned. No change is recommended for the batches 2020-2024, 2021-2025 and 2022-2026.

c. (i) Discussion: The syllabus of M. Tech, CBCS and Pre-PhD course work subjects was presented to BOS members and reviewed.

(ii) Comments: The Syllabus of M. Tech., CBCS and Pre-PhD course work subjects is well aligned but few changes are included in the syllabus of CBCS.

4. Recommendations:

    B. Tech Program

a. The Scheme and syllabus of the subjects to be offered by ECE Department to B. Tech. ECE for batch 2023 -2027 was presented before the members of the Board of studies. The BOS members approved the ECE curriculum and syllabus. **(Refer Annexure-1)**

b. The modified syllabus of the subject ECE 106 was presented before the members of Board of Studies. The BOS members approved the syllabus. **(Refer Annexure-2)**

c. The modified syllabus of the subject ECE306 was presented before the members of Board of Studies. The BOS members approved the syllabus. **(Refer Annexure-3)**

d. The modified syllabus of the subject ECE822 was presented before the members of Board of Studies. The BOS members approved the syllabus. **(Refer Annexure-4)**

M. Tech Program:

e. There is no change in the scheme and syllabus of the course. **(Refer Annexure-5)**

Pre Ph.D. Course:

f. There is no change in the scheme and syllabus of the course. **(Refer Annexure-6)**

CBCS:

g. The credits of all CBCS courses offered by ECE department for UG students have been reduced from 18 credits to 12 credits as per NEP2020. **(Refer Annexure-7)**

h. As per UGC guidelines the following changes are incorporated in all courses.
    Lecture/Tutorial=15 hrs of teaching i.e. 15 lecture/tutorial sessions in a semester
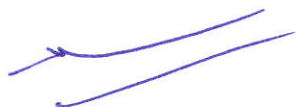   Practical/Laboratory Work=30 hrs of teaching i.e. 30 sessions in a semester

Recommendation in line with NEP 2020:

i. **French:** 09 credit (2+2+2+3) course will be offered under Skill Enhancement Courses.

j. **Communication Skill:** 08 credit course with 2+2+2+2 pattern will be offered under Ability Enhancement Courses.

k. **Value Added Courses:** 04 credits each of Environmental Studies (EVS) and Behavioral Science.

All the aforesaid points have been approved by all the board members present in the meeting.

5. Summary of changes is given below: -

Sr. No.	Program	Sem	Course Title	Old Course Code	No. of Credits	Addition/deletion in the Syllabus	New Course Title	New Course Code	No. of Credits
1.	BCA	I	Digital Electronics	ECE 106	3	Minor Modification in contents of module V	No Change	No Change	3
2.	B. Tech CSE	III	Digital Electronics and Logic design	ECE 306	3	Minor Modification in contents of module V	No Change	No Change	3
3	B. Tech ECE	VIII	Radar and Satellite Com lab	ECE822	1	Minor Modification in Experiments	No Change	No Change	1
4	B. Tech ECE	IV	Java Programming	CSE403	3	Subject deleted	-	-	0
5	B. Tech ECE	IV	Java Programming Lab	CSE423	2	Subject deleted	-	-	0
6	B. Tech ECE	V	Electromagnetic Waves Lab	ECE 521	1	Subject deleted	-	-	0
7	B. Tech ECE	V	Control Systems Lab	ECE 524	1	Subject deleted	-	-	0
8	B. Tech ECE	VI	Computer Architecture	ECE 601	3	Subject deleted	-	-	0
9	B. Tech ECE	VI	Quantitative Aptitude and Reasoning	ECE 603	3	No Change	No Change	No Change	2
10	B. Tech ECE	VIII	VHDL Programming	ECE 804	3	Shifted to VI Sem	No Change	ECE 602	3
11	B. Tech ECE	VIII	VHDL Programming Lab	ECE 824	1	Shifted to VI Sem	No Change	ECE 622	1

3

BOARD OF STUDIES (ECE)
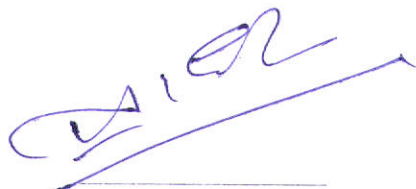## MINUTES OF THE MEETING

Signature of Members:

Prof (Dr) Vivek Singh Kushwah
Member
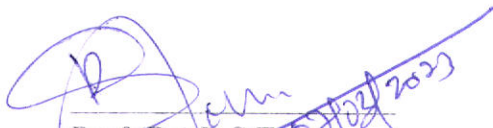
Dr Rinkoo Bhatia
Member

Prof (Dr) Raghavendra Sharma
Member
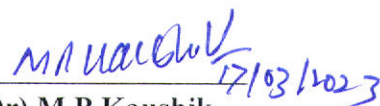
Prof (Dr) Anshul Gangele
Chairman- BOS

Prof (Dr) Partha Sarathi M
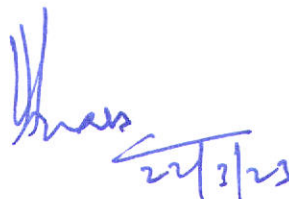External Member

Absent

Mr Pankaj Mittal
External Member

Prof (Dr) R S Tomar
Dean (Academics)
AUMP, Gwalior

Prof (Dr) M P Kaushik
Hon'ble Pro Vice Chancellor
AUMP, Gwalior

17/03/2023

APPROVED BY

22/3/23

Hon'ble Vice Chancellor
AUMP, Gwalior

Bachelor of Technology
(Electronics & Communication Engineering)

ECE

SPECIALIZATION MODEL CURRICULUM

(2023-27 Batch)

AMITY UNIVERSITY

MADHYA PRADESH

Date: 27/02/2023

BOARD OF STUDIES (Mechanical Engineering)
MINUTES OF THE MEETING
(05 Pages Only)

1. A meeting of board of studies of Department of Mechanical Engineering, Amity School of Engineering & Technology, Amity University Madhya Pradesh was held on 27/02/2023 at AUMP, under the Chairmanship of Prof. Dr. Anshul Gangele, Officiating Director (ASET). The following members attended the meeting: -

   (a) **Chairman**: Prof. Dr. Anshul Gangele, Officiating Director (ASET)

   (b) **Member**

   i) Dr. Nitesh Singh Rajput, Assistant Professor, Amity University Jaipur, External Member

   ii) Dr. Nasir Khan, Assistant Professor, ME, Member

   iii) Dr. Rabindra Prasad, Assistant Professor, ME, Member

   iv) Dr. Manvandra Kumar Singh, Assistant Professor, ME, Member

   v) Dr. Rohit Pandey, Assistant Professor, ME, Member

2. **The agenda of the meeting included the following:**

   (a) Discussion on curriculum of B.Tech, ME Program for 2023-27 batch.

   (b) Discussion on curriculum of M.Tech, ME Program for 2023-25 batch.

   (c) Discussion on syllabus of CBCS offered by ME department.

   (d) Discussion on trends and technologies in ME and consideration of its inclusion in syllabus.

   (e) Any other point with due permission of the Chairperson.

3. **Discussions/Comments:**

   a. (i) Discussion: The Scheme and syllabus of the subjects to be offered by ME Department to B.Tech, ME and along with the syllabus of the subject offered by ME to other department for batch 2023-2027 was presented before the members of the Board of Studies. The Scheme and syllabus of all the subjects was reviewed.

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(ii) Comments: The existing scheme and syllabus is well aligned, and few changes were recommended in line with the UGC curriculum and credit framework for undergraduate program (CCFUGP).

b. (i) Discussion: The syllabus of Programme B.Tech in ME for batches 2020-2024, 2021-2025 and 2022-2026 and along with the syllabus of the subjects offered by ME to other departments was presented to BOS members and reviewed.

(ii) Comments: The syllabus of the mentioned batches and the subjects offered by ME to other departments is well aligned and needs no change is recommended for the batches 2020-2024, 2021-2025 and 2022-2026.

c. (i) Discussion: The syllabus of M. Tech subjects was presented to BOS members and reviewed.

(ii) Comments: The existing scheme and syllabus of M.Tech, ME is well aligned, and few changes were recommended inline with the UGC curriculum and credit framework for undergraduate program (CCFUGP).

d. (i) Discussion: The syllabus of CBCS subjects was presented to BOS members and reviewed.

(ii) Comments: A few changes inline with the UGC curriculum and credit framework for undergraduate program (CCFUGP) were recommended in the CBCS subjects offered by ME department.

e. (i) Discussion: The syllabus of M.Tech subjects was presented to BOS members and reviewed.

(ii) Comments: A few changes inline with the UGC curriculum and credit framework for undergraduate program (CCFUGP) were recommended in the CBCS subjects offered by ME department.

f. (i) Discussion: The syllabus of Pre-PhD course work subjects was presented to BOS members and reviewed.

(ii) Comments: The Syllabus of Pre-PhD course work subjects is well aligned and needs no change.

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4. Recommendations:

B. Tech Program

a) The scheme and the syllabus of the subject to be offered by ME department of B.Tech ME for the batch 2023-2027 was presented before the member of the Board of Studies. The BoS members approved the ME curriculum and syllabus **(Ref Annexure -1).**

i. The subjects Thermodynamics (BME303) and Applied Thermodynamics (BME501) have been merged and replaced by Applied Thermodynamics (BME303).

ii. The Thermodynamics Lab (BME323) has been removed.

iii. The subjects Kinematic of Machine (BME403) and Dynamics of Machines (BME502) have been merged and replaced by Kinematics & Dynamics of Machines (BME403).

iv. The subjects Kinematic of Machine Lab (BME423) and Dynamics of Machines Lab (BME522) have been merged and replaced by Kinematics & Dynamics of Machines Lab (BME423).

v. The subjects Manufacturing Machine (BME404) has been replaced by Manufacturing Processes (BME501).

vi. The subjects Manufacturing Machine Lab (BME424) has been replaced by Manufacturing Processes Lab (BME521) respectively.

vii. The subjects Machine Design I (BME503) and Machine Design II (BME603) have been merged and replaced by Machine Element and System Design (BME502).

viii. The subjects Machine Design-II Lab (BME623 has been replaced by Machine Element and System Design Lab (BME522).

ix. The subject Mechatronics (BME606) has been replaced by Mechatronics, Robotics and Control (BME606).

x. The subject Mechatronics Lab (BME626) has been replaced by Mechatronics, Robotics and Control Lab (BME626).

xi. The subject Power Plant Practices (BME708) has been replaced by Additive Manufacturing (BME708).

xii. The course codes of subjects Strength of Material (BME405), Strength of Material Lab (BME425), Measurement and Control (BME504), Measurement and Control Lab (BME524), Metrology (BME505), Metrology Lab

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(BME525), Management of Manufacturing Systems (BME703), Workshop/Manufacturing Practices Lab (BME224) and Engineering Graphics and Design Lab (BME123) have been replaced without changing their credits and syllabus.

M. Tech Program:

i. The scheme and the syllabus of the subject to be offered by ME department of M.Tech ME for the batch 2023-2025 was presented before the member of the Board of Studies. The BoS members approved the ME curriculum and syllabus **(Ref Annexure -2).**

ii. The modified syllabus of subject MEM123 Theory of Metal Forming Lab (Credits: 02) was presented before the member of the Board of Studies. The BoS members approved the ME curriculum and syllabus **(Ref Annexure -3).**

iii. The modified syllabus of subject MEM124 Work Shop Practice Lab (Credits: 02) was presented before the member of the Board of Studies. The BoS members approved the ME curriculum and syllabus **(Ref Annexure -4).**

Pre Ph.D. Course:

There is no change in the scheme and syllabus of the courses **(Ref Annexure -5).**

CBCS:

The credits of all CBCS courses offered by ME department for UG students have been reduced from 18 credits to 12 credits as per NEP 2020 **(Ref Annexure -6).**

Recommendation in line with NEP 2020

i. **French:** 12 credits (2+2+2+2+2+2) will be offered under Skill Enhancement Courses.

ii. **Communication Skill:** 06 credits (1+1+1+1+1+1) will be offered under Ability Enhancement Courses.

iii. **Value Added Courses:**
   a. 04 credits of Environmental Sciences (EVS) (2+2) will be offered.
   b. 06 credits of Behavioral Sciences (1+1+1+1+1+1) will be offered.

All the aforesaid points have been approved by all the board members present in the meeting.

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5. Summary of changes is given below:-

Table:-I

		Current Syllabus						Proposed Changes/ Modifications		
Sr. No	Program	Course Title	Old Course Code	No. of Credits	Revision/ Deletion/ Merger in the Syllabus	Merged Course Title & Code	Merged Course Credit	New Course Title	New Course Code	No. of Credits
1	B.Tech	Thermodynamics	BME303	3	Merger	Applied Thermodynamics BME501	3	Applied Thermodynamics	BME303	4
2	B.Tech	Thermodynamics Lab	BME323	1	Deletion	-	-	-	-	-
3	B.Tech	Kinematics of Machines	BME403	3	Merger	Dynamics of Machines BME502	3	Kinematics & Dynamics of Machines	BME403	4
4	B.Tech	Kinematics of Machines Lab	BME423	1	Merger	Dynamics of Machines Lab BME522	1	Kinematics & Dynamics of Machines Lab	BME423	1
5	B.Tech	Manufacturing Machine	BME404	3	Revision	-	-	Manufacturing Processes	BME501	3
6	B.Tech	Manufacturing Machine Lab	BME424	1	Revision	-	-	Manufacturing Processes Lab	BME521	1
7	B.Tech	Machine Design-I	BME503	3	Merger	Machine Design-II BME603	3	Machine Element & System Design	BME502	4
8	B.Tech	Machine Design-II Lab	BME623	1	Revision	-	-	Machine Element & System Design Lab	BME522	1
9	B.Tech	Mechatronics	BME606	3	Revision	-	-	Mechatronics, Robotics & Control	BME606	3
10	B.Tech	Mechatronics Lab	BME626	1	Revision	-	-	Mechatronics, Robotics & Control Lab	BME626	1
11	B.Tech	Power Plant Practices	BME708	3	Deletion	-	-	Additive Manufacturing	BME708	3

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Table:-II

		Current Syllabus			**Proposed Changes/ Modifications**		
Sr. No	Program	Course Title	Course Code	No. of Credits	New Course Title	New Course Code	No. of Credits
1	B.Tech	Strength of Material	BME405	3	Strength of Material	BME404	3
2	B.Tech	Strength of Material and Fluid Mechanics Lab	BME425	1	Strength of Material and Fluid Mechanics Lab	BME421	1
3	B.Tech	Measurement and Control	BME504	3	Measurement and Control	BME503	3
4	B.Tech	Measurement and Control Lab	BME524	1	Measurement and Control Lab	BME523	1
5	B.Tech	Metrology	BME505	3	Metrology	BME504	3
6	B.Tech	Metrology lab	BME525	1	Metrology Lab	BME524	1
7	B.Tech	Management of Manufacturing Systems	BME703	3	Management of Manufacturing Systems	BME603	3
8	B.Tech	Workshop/ Manufacturing Practices Lab	BME224	1	Workshop/ Manufacturing Practices Lab	BME124	1
9	B.Tech	Engineering Graphics & Design Lab	BME123	1	Engineering Graphics & Design Lab	BME223	1

Table:-III

	Current Syllabus							**Proposed Changes/ Modifications**		
Sr. No	Program	Course Title	Old Course Code	No. of Credits	Revision/ Deletion/ Merger in the Syllabus	Merged Course Title & Code	Merged Course Credit	New Course Title	New Course Code	No. of Credits
1	M.Tech	Theory of Metal Forming Lab	MEM123	1	Revision	-	-	Theory of Metal Forming Lab	MEM123	2
2	M.Tech	Work Shop Practice Lab	MEM124	3	Revision	-	-	Work Shop Practice Lab	MEM124	2

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Table:-II

Sr. No	Current Syllabus				Proposed Changes/ Modifications		
	Program	Course Title	Course Code	No. of Credits	New Course Title	New Course Code	No. of Credits
1	B.Tech	Strength of Material	BME405	3	Strength of Material	BME404	3
2	B.Tech	Strength of Material and Fluid Mechanics Lab	BME425	1	Strength of Material and Fluid Mechanics Lab	BME421	1
3	B.Tech	Measurement and Control	BME504	3	Measurement and Control	BME503	3
4	B.Tech	Measurement and Control Lab	BME524	1	Measurement and Control Lab	BME523	1
5	B.Tech	Metrology	BME505	3	Metrology	BME504	3
6	B.Tech	Metrology lab	BME525	1	Metrology Lab	BME524	1
7	B.Tech	Management of Manufacturing Systems	BME703	3	Management of Manufacturing Systems	BME603	3
8	B.Tech	Workshop/ Manufacturing Practices Lab	BME224	1	Workshop/ Manufacturing Practices Lab	BME124	1
9	B.Tech	Engineering Graphics & Design Lab	BME123	1	Engineering Graphics & Design Lab	BME223	1

Table:-III

Sr. No	Current Syllabus				Revision/ Deletion/ Merger in the Syllabus	Merged Course Title & Code	Merged Course Credit	Proposed Changes/ Modifications		
	Program	Course Title	Old Course Code	No. of Credits				New Course Title	New Course Code	No. of Credits
1	M.Tech	Theory of Metal Forming Lab	MEM123	1	Revision	-	-	Theory of Metal Forming Lab	MEM123	2
2	M.Tech	Work Shop Practice Lab	MEM124	3	Revision	-	-	Work Shop Practice Lab	MEM124	2

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Amity University Madhya Pradesh Gwalior

BOARD OF STUDIES (ME)
MINUTES OF THE MEETING

Signature of Members:

Dr. Nasir Khan
Member

Dr. Rabindra Prasad
Member

Dr. Manvandra Kumar Singh
Member

Dr. Rohit Pandey
Member

Dr. Nitesh Singh Rajput
External Member

Prof. (Dr.) Anshul Gangele
Chairman-BoS

Prof (Dr) R S Tomar 08/03/2023
Dean (Academics)
AUMP, Gwalior

Prof (Dr) M P Kaushik 13/03/2023
Hon'ble Pro Vice Chancellor
AUMP, Gwalior

APPROVED BY

24/3/23

Hon'ble Vice Chancellor
AUMP, Gwalior