MINUTES OF 5th BOARD OF STUDIES MEETING OF DEPARTMENT OF MECHANICAL ENGINEERING SCHOOL OF ENGINEERING AND TECHNOLOGY

5th meeting of Board of Studies of Mechanical Engineering department, School of Engineering and Technology, K. R. Mangalam University was held on 07/06/2018 at 10:00 AM in the Conference Hall, A Block.

Following members were present:

1	Dr. Ranjeet Varma	Member Internal, Chairperson
2	Prof. (Dr.) Yash Pal Singh Director-SITM, Rewari	Member External Academic Expert
3	Dr. Neeraj Gupta	Internal Member
4	Dr. Kaushal Kumar	Internal Member
5	Ms. Asha Sohal	Internal Member
6	Ms. Minakshi Katoch	Internal Member
7	Mr. Surendra Kumar Yadav	Internal Member
8	Dr. Anju Bala	Internal Member

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 5th meeting of Board of Studies and thanked them for attending the meeting. The agenda items were placed before the committee for discussions and subsequent decisions were made pertaining to the matter.

5.01 To approve the minutes of meeting of fourth Board of Studies meeting held on 29/06/2017.

The minutes of meeting of 4th Meeting of BOS held on 29/06/2017 were considered and approved attached as ***Annexure I.***

5.02 To approve the action taken on the decisions made in the Board of Studies meeting held on 29/06/2017.

The action taken on the decisions made in the 4th Board of Studies were reported and approved. ***Annexure –II.***

5.03 To approve the new courses under various programs in Department of Mechanical Engineering for the admission year 2018-19.

The new courses under various programs in the Department of Mechanical Engineering for the admission year 2018-19 were discussed and approved as per Annexure III.

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Sohna Road, Gurugram, (Haryana)

Programme Code	Programme Name	School	Department	Course Code	Name of the course	Year of introduction of the Course
02	B.Tech (ME)	SOET	ME	ETME 216	Computational Fluid Dynamics	2018-19
02	B.Tech (ME)	SOET	ME	ETEC308	Control Systems	2018-19
02	B.Tech (ME)	SOET	ME	ETME 381	Practical Training- I	2018-19
02	B.Tech (ME)	SOET	ME	ETME 481	Practical Training- II	2018-19
02	B.Tech (ME)	SOET	ME	ETME 417	Solar Energy	2018-19

5.04 To approve value added courses (VAC) to be offered by SOET PAN university during academic year 2018-19

Value added courses (VAC) to be offered by SOET PAN university during academic year 2018-19 are approved as ***Annexure IV.***

5.05 To report action taken on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc

Action taken report on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc as ***Annexure V.***

Vote of Thanks:

The Chair thanked members for their gracious presence and active participation and giving useful suggestions.

The meeting ended with a vote of thanks to the Chair.

DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

Dr. Ranjeet Varma
Dean SOET

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

MINUTES OF 5th BOARD OF STUDIES MEETING OF DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SCHOOL OF ENGINEERING AND TECHNOLOGY

5th meeting of Board of Studies of Computer Science Engineering Department, School of Engineering and Technology, K. R. Mangalam University was held on 07/06/2018 at 10:00 AM in the Conference Hall, A Block. Following members were present:

1	Dr. Ranjeet Varma	Member Internal, Chairperson
2	Prof. (Dr.) Yash Pal Singh Director-SITM, Rewari	Member External Academic Expert
3	Dr. Neeraj Gupta	Internal Member
4	Dr. Kaushal Kumar	Internal Member
5	Ms. Asha Sohal	Internal Member
6	Ms. Minakshi Katoch	Internal Member
7	Mr. Surendra Kumar Yadav	Internal Member
8	Dr. Anju Bala	Internal Member

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 5th meeting of Board of Studies and thanked them for attending the meeting. The agenda items were placed before the committee for discussions and subsequent decisions were made pertaining to the matter.

5.01 To approve the minutes of meeting of fourth Board of Studies meeting held on 29/06/2017.

The minutes of meeting of 4th Meeting of BOS held on 29/06/2017 were considered and approved attached as ***Annexure I***)

5.02 To approve the action taken on the decisions made in the Board of Studies meeting held on 29/06/2017.

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Sohna Road, Gurugram, (Haryana)

The action taken on the decisions made in the Board of Studies meeting held on 07/06/2018 was discussed and approved as attached in ***Annexure –II.***

5.03 To approve the new courses under various programs in Department of Computer Science Engineering for the admission year 2018-19.

The new courses under various programs in Department of Computer Science Engineering for the admission year 2018-19 were discussed and approved as per *Annexure III.*

Programme Code	Programme Name	School	Department	Course Code	Name of the course	Year of introduction of the Course
06	BCA	SOET	CSE	ETMA163	Basic of Mathematics	2018-19
06	BCA	SOET	CSE	ETMA233	Numerical Methods	2018-19
01	B.Tech. (CSE)	SOET	CSE	ETCS381	Practical Training I	2018-19
01	B.Tech. (CSE)	SOET	CSE	ETCS481	Practical Training II	2018-19
06	BCA	SOET	CSE	ETCA380	Seminar	2018-19

5.04 To approve the rubric for project and seminar evaluation.

The rubric pattern for project and seminar evaluation was discussed and approved as ***Annexure IV.***

5.05 To approve the external and internal examiner list.

The list of external and internal examiner was discussed and approved as ***Annexure V.***

5.06 To approve the new program of Bachelor of Computer Science B.Sc.(H) in Computer Science

New program of Bachelor of Computer Science B.Sc(H) in Computer Science is introduced from the session 2018-19 with total credits of 146 as ***Annexure VI***

Following new courses were introduced in this program:

- **Bachelor of Computer Science: B.Sc.(H) in Computer Science**

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Sohna Road, Gurugram, (Haryana)

Course Code	Name of the course
ETCS517	Ai & Pattern Recognition
ETCS561	Ai & Pattern Recognition Lab
BSMA137	Algebra
BSMA133	Calculus
ETCS521	Computer Centre Planning & Establishment
ETCS565	Computer Centre Planning & Establishment Lab
ETCS515	Computer Graphics & Multimedia
ETCS559	Computer Graphics & Multimedia Lab
BSMA329	Discrete Mathematics
ETPH112A	Electricity and Magnetism(Ge-II)
BSPH166	Electricity Magnetism Lab
BSMA331	Numerical Analysis
BSMA351	Numerical Analysis Lab
BSPH165	Optics Lab
BSMA219	Partial Differential Equations
BSMA217	Real Analysis
ETCS507	Seminar
SMEL236	Soft Skills and Personality Development
BSPH272	Statistical Mechanics Lab
BSPH105	OPTICS

5.07 To approve value added courses (VAC) to be offered by SOET PAN university during academic year 2018-19

Value added courses (VAC) to be offered by SOET PAN university during academic year 2018-19 are approved as ***Annexure VII***

5.08 To report action taken on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc

Action taken report on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc as ***Annexure VIII.***

Vote of Thanks:

The Chair thanked members for their gracious presence and active participation and giving useful suggestions.

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

The meeting ended with a vote of thanks to the Chair.

DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

Dr. Ranjeet Varma
Dean-SOET

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

MINUTES OF 5th BOARD OF STUDIES MEETING
OF
DEPARTMENT CIVIL ENGINEERING
SCHOOL OF ENGINEERING AND TECHNOLOGY

5th meeting of the Board of Studies of School of Engineering and Technology, K.R. Mangalam University was held on 07/06/18 at 10:00 AM in the Conference Hall, A Block. Following members were present:

1	Dr. Ranjit Varma	Member Internal, Chairperson
2	Prof. (Dr.) Yash Pal Singh Director-SITM, Rewari	Member External Academic Expert
3	Dr. Neeraj Gupta	Internal Member
4	Dr. Kaushal Kumar	Internal Member
5	Ms. Asha Sohal	Internal Member
6	Ms. Minakshi Katoch	Internal Member
7	Mr. Surendra Kumar Yadav	Internal Member
8	Dr. Anju Bala	Internal Member

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 5th meeting of Board of Studies and thanked them for attending the meeting. The agenda items were placed before the committee for discussions and subsequent decisions were made pertaining to the matter.

5.01 To approve the minutes of meeting of fourth Board of Studies meeting held on 29/06/2017.

The minutes of meeting of 4thMeeting of BOS held on 29/06/2017 were considered and approved attached as ***Annexure I.***

5.02 To approve the action taken on the decisions made in the Board of Studies meeting held on 29/06/2017.

The action taken on the decisions made in the Board of Studies meeting held on 07/06/2018 was discussed and approved as attached in ***Annexure –II.***

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

5.03 To approve the new courses under various programs in Department of Civil Engineering for the admission year 2018-19.

The new courses under various programs in the Department of Civil Engineering for the admission year 2018-19 were discussed and approved as per *Annexure III.*

Programme Code	Programme Name	School	Department	Course Code	Name of the course	Year of introduction of the Course
05	B.Tech. (CE)	SOET	Civil	ETCE214A	Surveying & Geomatics	2018-19
05	B.Tech. (CE)	SOET	Civil	ETEL171	COMMUNICATION SKILLS LAB	2018-19
05	B.Tech. (CE)	SOET	Civil	ETCE262	SURVEYING-II LAB	2018-19
05	B.Tech. (CE)	SOET	Civil	ETCE381	PRACTICAL TRAINING-I	2018-19
05	B.Tech. (CE)	SOET	Civil	ETCE322	ENVIRONMENTAL ENGINEERING-II	2018-19
05	B.Tech. (CE)	SOET	Civil	ETCE 320	WATER RESOURSCE ENGINEERING	2018-19
05	B.Tech. (CE)	SOET	Civil	ETCE424	REMOTE SENSING & GIS	2018-19
05	B.Tech. (CE)	SOET	Civil	ETCE481	PRACTICAL TRAINING-II	2018-19
05	B.Tech. (CE)	SOET	Civil	ETCE321	CONSTRUCTION PLANNING & MANAGEMENT	2018-19
05	B.Tech. (CE)	SOET	Civil	UCDM301A	Open Elective (DISASTER MANAGEMENT)	2018-19

5.04 To approve the movement of subjects in all the programs of Department of Civil Engineering

The movement of subjects were discussed and approved as reported in ***Annexure IV.***

5.05 To approve the List of subjects under revised/modified course codes/course name/ Course credits of the courses of the Civil Engineering program.

List of revised/modified course codes/course name/ Course credits of the subjects was discussed and approved as reported in ***Annexure V***

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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

5.06 To approve value added courses (VAC) to be offered by SOET PAN university during academic year 2018-19

Value added courses (VAC) to be offered by SOET PAN university during academic year 2018-19 are approved as ***Annexure VI.***

5.07 To report action taken on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc

Action taken report on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc as ***Annexure VII.***

Vote of Thanks:

The Chair thanked members for their gracious presence and active participation and giving useful suggestions.

The meeting ended with a vote of thanks to the Chair.

DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

Dr. Ranjeet Varma
Dean SOET

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

MINUTES OF 5th BOARD OF STUDIES MEETING
OF
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
SCHOOL OF ENGINEERING AND TECHNOLOGY

5th meeting of the Board of Studies of School of Engineering and Technology, K. R. Mangalam University was held on 07/06/18 at 10:00 AM in the Conference Hall, A Block. Following members were present:

1	Dr. Ranjeet Varma	Member Internal, Chairperson
2	Prof.(Dr.) Yash Pal Singh Director-SITM, Rewari	Member External Academic Expert
3	Dr. Neeraj Gupta	Internal Member
4	Dr. Kaushal Kumar	Internal Member
5	Ms. Asha Sohal	Internal Member
6	Ms. Minakshi Katoch	Internal Member
7	Mr. Surendra Kumar Yadav	Internal Member
8	Dr. Anju Bala	Internal Member

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 5th meeting of Board of Studies and thanked them for attending the meeting. The agenda items were placed before the committee for discussions and subsequent decisions were made pertaining to the matter.

5.01: To approve the minutes of meeting of fourth Board of Studies meeting held on 29/06/2017.

The minutes of meeting of 4th Meeting of BOS held on 29/06/2017 were considered and approved attached as ***Annexure I***)

5.02: To approve the action taken on the decisions made in the Board of Studies meeting held on 29/06/2017.

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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

The action taken on the decisions made in the Board of Studies meeting held on 29/06/2017 was discussed and approved as attached in ***Annexure –II.***

5.03: To approve the new courses under various programs in Department of Electrical & Electronics Engineering and Department of Electronics & Communication Engineering for the admission year 2018-19.

The new courses under various programs in the Department of Electrical & Electronics Engineering and Department of Electronics & Communication Engineering for the admission year 2018-19 were discussed and approved as per Annexure III.

Programme Code	Programme Name	School	Department	Course Code	Name of the course	Year of introduction of the Course
04	B.Tech (ECE)	SOET	ECE	ETDM301	Disaster Management	2018-19
03	B.Tech (EEE)	SOET	EEE	ETDM301	Disaster Management	2018-19
03	B.Tech (EEE)	SOET	EEE	ETEE404	Electric Drives	2018-19
03	B.Tech (EEE)	SOET	EEE	ETEE361	Practical Training-I	2018-19
04	B.Tech (ECE)	SOET	ECE	ETEC357	Practical Training-I	2018-19
03	B.Tech (EEE)	SOET	EEE	ETEE463	Practical Training-II	2018-19
04	B.Tech (ECE)	SOET	ECE	ETEC463	Practical Training-II	2018-19
04	B.Tech (ECE)	SOET	ECE	ETEC202	Signals & Systems	2018-19

5.04 To approve value added courses (VAC) to be offered by SOET PAN university during academic year 2018-19

Value added courses (VAC) to be offered by SOET PAN university during academic year 2018-19 are approved as ***Annexure IV***

5.05 To report action taken on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc

Action taken report on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc as ***Annexure V.***

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Vote of Thanks:

The Chair thanked members for their gracious presence and active participation and giving useful suggestions.

The meeting ended with vote of thanks to the Chair.

DEAN
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122103

Dr. Ranjeet Varma
Dean SOET

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

Dated: 07.06.2018

5th meeting of Board of Studies

S. No.	Member		Signature
1	Dr. Ranjeet Varma	Member Internal, Chairperson	
2	Prof. (Dr.) Yash Pal Singh Director-SITM, Rewari	Member External Academic Expert	
3	Dr. Neeraj Gupta	Internal Member	
4	Dr. Kaushal Kumar	Internal Member	
5	Ms. Asha Sohal	Internal Member	
6	Ms. Minakshi Katoch	Internal Member	
7	Mr. Surendra Kumar Yadav	Internal Member	
8	Dr. Anju Bala	Internal Member	

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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

MINUTES OF 6th BOARD OF STUDIES MEETING OF SCHOOL OF ENGINEERING AND TECHNOLOGY

6th meeting of Board of Studies of School of Engineering and Technology, K. R. Mangalam University was held on **05/07/19 at 10:00 AM in the Conference Hall, A Block.** Following members were present:

1	Dr. Ranjit Varma	Member Internal, Chairperson
2	Prof. (Dr.) Sanjay Sinha	Member External Academic Expert
3	Prof. M Karimi	Member External Academic Expert
4	Dr. Neeraj Gupta	Internal Member
5	Dr. Kaushal Kumar	Internal Member
6	Ms. Asha Sohal	Internal Member
7	Ms. Minakshi Katoch	Internal Member
8	Mr. Surendra Kumar Yadav	Internal Member
9	Ms. Gauri Aglave	Internal Member

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 6th meeting of BoS and thanked them for attending the meeting. The agenda items were placed and presented before the committee members of Board of studies for discussions and for subsequent approvals

6.01 To approve the minutes of meeting of 5th Board of Studies meeting held on 07/06/2018.

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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

The minutes of 5th BOS Meeting held on 07/06/2018 were circulated among the committee members and no comments were received. The committee members approved the same (as per ***Annexure I***).

6.02 To approve the action taken on the decisions made in the Board of Studies meeting held on 07/06/2018.

The action taken report for board of Studies meeting held on 07/06/2018 was presented before the committee members and committee found the same suitable and approved (as per ***Annexure –II***).

6.03 To approve the new courses were introduced in the programs under SOET for the academic session 2019-20.

The new courses introduced in the existing programs under SOET for the academic session 2019-20 were discussed and approved (**as per *Annexure III*).**

6.04 To approve two new programs in the school of Engineering & Technology for the academic session 2019-20.

After receiving feedback from various stakeholders for introducing new programs as per the recent industry trends, the School of Engineering and Technology proposed new programs in Bachelor of Science in Cyber Security with credits 140 and Bachelor of Science in Data Science with credits 142. The above-mentioned programs were deliberated upon and approved by the committee members (as per ***Annexure IV*).**

6.05 To approve the curriculum mapping with various components for the academic session 2019-20.

The curriculums of all the programs under the School of Engineering and Technology with mapping of various components were presented before the

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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

committee members. The members considered the mapping and approved the same from academic session 2019-20 (as per ***Annexure V***).

6.06 To approve value added courses (VAC) to be offered by SOET PAN university during academic year 2019-20

Value added courses (VAC) to be offered by SOET PAN university during academic year 2019-20 are approved (as per ***Annexure VI***).

6.07 To report action taken on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc

Action taken report on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc as (as per ***Annexure VII***).

The Chair thanked the members for their gracious presence and active participation.

The meeting ended with a vote of thanks to all the present members.

Dean
School of Engineering & Technology (SOET)
K.R. Mangalam University
Sohna road, Gurugram
Haryana 122103

Dr. Ranjit Varma
Dean SOET

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

Dated: 05/06/2020

7th meeting of Board of Studies

S. No.	Member		Signature
1	Dr. Vineet Dahiya	Academic coordinator and Chairperson SOET	
2	Prof. (Dr.) Sanjay Sinha	Member External Academic Expert	
3	Prof. (Dr.) Brijesh Kumar	Member External Academic Expert	
4	Dr. Neeraj Gupta	Internal Member	
5	Dr. Kaushal Kumar	Internal Member	
6	Ms. Asha Sohal	Internal Member	
7	Ms. Minakshi Katoch	Internal Member	
8	Mr. Surendra Kumar Yadav	Internal Member	
9	Ms. Gauri Aglave	Internal Member	

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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

MINUTES OF 7th BOARD OF STUDIES MEETING OF SCHOOL OF ENGINEERING AND TECHNOLOGY

7th meeting of Board of Studies of School of Engineering and Technology, K. R. Mangalam University was held on 05/06/2020 at 10:00 PM virtually through MS Teams.

Following members were present:

1	Dr. Vineet Dahiya	Academic coordinator and Chairperson SOET
2	Prof. (Dr.) Sanjay Sinha	Member External Academic Expert
3	Prof. (Dr.) Brijesh Kumar	Member External Academic Expert
4	Dr. Neeraj Gupta	Internal Member
5	Dr. Kaushal Kumar	Internal Member
6	Ms. Asha Sohal	Internal Member
7	Ms. Minakshi Katoch	Internal Member
8	Mr. Surendra Kumar Yadav	Internal Member
9	Ms. Gauri Aglave	Internal Member

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 7th meeting of BoS and thanked them for attending the meeting. The agenda items were placed and presented before the committee members of the Board of studies for discussions and subsequent decisions were made pertaining to the matter.

Minutes of meeting:

7.01 To approve the minutes of meeting of seventh Board of Studies meeting held on 05/07/2019.

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

The minutes of the meeting of 6th Meeting of BOS held on 05/07/2019 were considered and approved by the committee members. (As attached in **Annexure I).**

7.02 To approve the action taken on the decisions made in the Board of Studies meeting held on 05/07/2019.

The action report for the Board of Studies meeting held on 05/07/2019 was presented before the committee members and committee found it suitable for approval. (as attached in **Annexure –II)**

7.03 To approve the new courses in the existing course curriculum of SOET for the academic session 2020-21.

The new courses introduced in the existing course curriculum of SOET programs for the admission session 2020-21 were discussed and approved. (as attached in **Annexure III).**

7.04 To approve the Paper setter, Moderator & Evaluator committee for internal/external examinations.

The list of **Paper setter, Moderator & Evaluator committee** is approved. (as attached in **Annexure IV).**

7.05 To approve new programs in the School of Engineering & Technology w.e.f 2020-21

Two new programs of **B.Tech** with **Specialization in AI & ML** with 161.5 credits and 2-year program of **Master of Computer Applications** with **80 credits** were introduced from the academic session 2020-21 **(As per Annexure V).**

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Sohna Road, Gurugram, (Haryana)

Following new courses were introduced under the above new programs:

Programme Name	Course Code	Name of the course
MCA	ETCA806A	Advanced Data Mining
MCA	ETCA854A	Advanced Data Mining Lab
MCA	ETCA817A	Ai and Applications
MCA	ETCA859A	Ai and Applications Lab
MCA	ETCA819A	Big Data Analytics and Applications
MCA	ETCA821A	Blockchains
MCA	ETCA863A	Blockchains Lab
MCA	ETCA803A	Computer Organization and Assembly Language Programming
MCA	ETCA811A	Data Mining Concepts and Techniques
MCA	ETCA802A	Data Structures and Algorithms
MCA	ETCA852A	Data Structures and Algorithms Lab
MCA	ETEL403A	Oral and Technical Communication
B.TECH CSE (AI & ML)	ETMA215A	Probability and Statistics
B.TECH CSE (AI & ML)	ETCS462A	Project
MCA	ETCA812A	Web Programming
MCA	ETCA860A	Web Programming Lab
MCA	ETCA812A	Web Programming
MCA	ETCA860A	Web Programming Lab

7.06 To approve value added courses (VAC) to be offered by SOET PAN university during academic year 2019-20

Value added courses (VAC) to be offered by SOET PAN university during academic year 2019-20 are approved (as per ***Annexure VI***).

7.07 To report action taken on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc

Action taken report on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc as (as per ***Annexure VII***).

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

The Chair thanked members for their gracious presence and active participation and giving useful suggestions.

The meeting ended with a vote of thanks to the Chair.

Dr. Vineet Dahiya
Academic Coordinator
SOET

DEAN
Engineering & Technology (SOET)
K.R. Mangalam University
Sohna Road, Gurugram
Haryana 122103

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

MINUTES OF 8th BOARD OF STUDIES MEETING OF SCHOOL OF ENGINEERING AND TECHNOLOGY

8th meeting of Board of Studies of School of Engineering and Technology, K. R. Mangalam University was held on 30/06/2021 at 10:00 PM virtually through MS Teams. Following members were present:

1	Dr. Vineet Dahiya	Academic Coordinator and Chairperson
2	Prof. (Dr.) Sanjay Sinha	Member External Academic Expert
3	Prof. (Dr.) Brijesh Kumar	Member External Academic Expert
4	Dr. Neeraj Gupta	Internal Member
5	Dr. Kaushal Kumar	Internal Member
6	Ms. Asha Sohal	Internal Member
7	Ms. Minakshi Katoch	Internal Member
8	Mr. Surendra Kumar Yadav	Internal Member
9	Ms. Gauri Aglave	Internal Member

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 8th meeting of BoS and thanked them for attending the meeting. The agenda items were placed and presented before the committee members of the board of studies for discussions and subsequent decisions were made pertaining to the matter.

Minutes of meeting:

8.01 To approve the minutes of meeting of seventh Board of Studies meeting held on 05/06/2020.

The minutes of the meeting of 7th Meeting of BOS held on 05/06/2020 were considered and approved by the committee members. (As attached in **Annexure I)**

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

8.02 To approve the action taken on the recommendations made in the Board of Studies meeting held on 05/06/2020.

The action taken report for Board of Studies meeting held on 05/06/2020 was presented before the committee members and committee found it suitable for approval (as attached in **Annexure –II**)

8.03 To approve the guidelines for implementation of outcome-based education (OBE) framework of School of Engineering and Technology from the academic session 2021-22.

Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery and assessment are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels. The OBE is incorporated in the program for enhancing the student knowledge and to ensure that the student is following the exponential progressive learning by means of various teaching tools. The OBE format structures were discussed and approved. (as attached in **Annexure –III**)

8.04 To approve the new added courses in the course curriculum of the School of Engineering and Technology from the academic session 2021-22.

The revisions in the course curriculum of the School of Engineering & Technology for the academic session 2021-22 were discussed and approved as per feedback taken from Alumni, Industry and Academic experts (as attached in **Annexure –IV**).

The existing program of Bachelor of Technology (CSE) with specialization in AI/ML was revised. The program was collaborated with industry IBM & Samatrix. Following new courses were introduced in this program w.e.f 2021-22

Course Code	Name of the course
ETCS308A	Big Data Analytics
ETCS364A	Big Data Analytics Lab
ETCS428A	Computer Vision
ETCS453A	Computer Vision Lab
ETCS107A	Data Analysis Using Python, Numpy, Pandas, Matplotlib, and Seaborn

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ETCS154A	Data Analysis Using Python, Numpy, Pandas, Matplotlib, and Seaborn Lab
ETCS313A	Data Science - Tools and Techniques
ETCS356A	Data Science - Tools and Techniques Lab
ETCS332A	Data Visualization and Story Telling
ETCS461A	Data Visualization and Story Telling Lab
ETCS354A	Deep Learning Practical with Python, Tensorflow and Keras
ETCS327A	Neural Networks and Deep Learning
ETCS105A	Overview of Ai, Data Science, Ethics and Foundation of Data Analysis
ETCS155A	Overview of Ai, Data Science, Ethics and Foundation of Data Analysis Lab
ETCS203A	Probabilistic Modelling and Reasoning with Python
ETCS259A	Probabilistic Modelling and Reasoning with Python Lab
ETCS208A	R Programming for Data Analytics and Data Analytics
ETCS261A	R Programming for Data Science and Data Analytics Lab
ETCS106A	Clean Coding with Python
ETCS157A	Clean Coding with Python Lab
ETCS205A	Machine Learning and Pattern Recognition
ETCS254A	Machine Learning Practical with Python, Scikit-learn, Matplotlib, TensorFlow
ETCS420A	Graph Theory

The existing program of Bachelor of Computer Application (BCA) was collaborated with Industry IBM & Samatrix. Following new courses were introduced in this program w.e.f 2021-22

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Course Code	Name of the course
ETCS308A	Big Data Analytics
ETCS364A	Big Data Analytics Lab
ETCS106A	Clean Coding with Python
ETCS157A	Clean Coding with Python Lab
ETCS108A	Data Analysis and Data Visualization Using Python
ETCS156A	Data Analysis and Data Visualization Using Python Lab
ETCS332A	Data Visualization and Story Telling
ETCS461A	Data Visualization and Story Telling Lab
ETCS209A	Foundation of Machine Learning
ETCS274A	Foundation of Machine Learning Lab
ETCS315A	Foundation of Neural Network and Deep Learning
ETCS359A	Foundation of Neural Network and Deep Learning Lab
UCIT161A	Introduction to Computers & It, Office Automation Lab
ETCS105A	Overview of Ai, Data Science, Ethics and Foundation of Data Analysis
ETCS155A	Overview of Ai, Data Science, Ethics and Foundation of Data Analysis Lab
ETCS203A	Probabilistic Modelling and Reasoning with Python
ETCS259A	Probabilistic Modelling and Reasoning With Python Lab
ETCS208A	R Programming for Data Analytics and Data Analytics
ETCS261A	R Programming for Data Science and Data Analytics Lab

8.05 To approve the Paper setter, Moderator & Evaluator committee for internal/external examinations in the School of Engineering and Technology for the academic session 2021-22.

The approved list of **Paper setter, Moderator & Evaluator committee** (as attached in **Annexure V).**

8.06 To approve value added courses (VAC) to be offered by SOET PAN university during academic year 2021-22.

Value added courses (VAC) to be offered by SOET PAN university during academic year 2019-20 are approved **(as per Annexure VI).**

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8.07 To report action taken on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc

Action taken report on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc **(as per Annexure VII).**

The Chair thanked the members for their gracious presence and active participation.

The meeting ended with a vote of thanks to all the present members.

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Dr. Vineet Dahiya
Academic Coordinator
School of Engineering and Technology

Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

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Sohna Road, Gurugram – 122103 (Haryana)

MINUTES OF 9th BOARD OF STUDIES MEETING OF SCHOOL OF ENGINEERING AND TECHNOLOGY

9th meeting of Board of Studies of School of Engineering and Technology, K. R. Mangalam University was held on 26/07/22 at 2:00 PM in virtual mode through MS Teams. The link for the same was

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZmY5YjE1MmYtZDFhZS00YThiLWJhZjMtOTVlNDg3YzQ5MmQx%40thread.v2/0?context=%7b%22Tid%22%3a%2238fd5a4b-955f-455a-9ad2-d2daa 5a4e4d0%22%2c%22Oid%22%3a%2201c33911-f0e0-4eee-a107-b8eccb77d078%22%7d

Following members were present:

1	Dr. Vineet Dahiya	Academic Coordinator and Chairperson
2	Prof. (Dr.) Poonam Bansal	Member External Academic Expert
3	Prof. (Dr.) M.N. Karimi	Member External Academic Expert
4	Dr. Shweta Bansal	Internal Member
5	Dr. Surendra Kr. Yadav	Internal Member
6	Ms. Gauri Aglave	Internal Member
7	Ms. Puja Acharya	Internal Member
8	Mr. Ashwani Kumar	Internal Member
9	Dr. Bhavesh Vyas	Special Invitee

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 9th meeting of BoS and thanked them for attending the

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meeting. The agenda items were placed and presented before the committee members of Board of studies for discussions and for subsequent approvals

9.01 To approve the minutes of meeting of 8th Board of Studies meeting held on 30/06/2021.

The minutes of 8th BOS Meeting held on 30/06/2021 were circulated among the committee members and no comments were received. The committee members approved the same (as per ***Annexure I*).**

9.02 To approve the action taken on the decisions made in the Board of Studies meeting held on 30/06/2021.

The action taken report for the Board of Studies meeting held on 30/06/2021 was presented before the committee members and committee found the same suitable and approved (as per ***Annexure –II*).**

9.03 To approve the revisions/new courses w.e.f 2022-23 for the existing programs under School of Engineering and Technology

Total of 22 new courses as per the following were introduced in the existing programs of SOET (annexure III.*)*

Programme Code	Programme Name	School	Department	Course Code	Name of the course	Year of introduction of the Course
2	B.Tech (ME-AD&EV)	SOET	ME	ETCS228A	Communication and Analytical Skills-I	2022-23
2	B.Tech (ME-AD&EV)	SOET	ME	ETCS325A	Communication and Analytical Skills-II	2022-23
2	B.Tech (ME-AD&EV)	SOET	ME	ETCS330A	Communication and Analytical Skills-III	2022-23
01 / 72	B.Tech (CSE)/ B.Sc. (H) Computer Science	SOET	CSE	ETEC215A	Embedded Robotics and Iot	2022-23
2	B.Tech (ME-AD&EV)	SOET	ME	ETEC124A	Introduction to Automation Robotics and Drone	2022-23

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6	BCA	SOET	CSE	ETEC124A	Introduction to Automation,Robotics and Drones	2022-23
73/35	B.TECH (CSE) AI & ML/ B.Tech (CSE) Full Stack Development	SOET	CSE	ETCS373A	IOS Development Lab	2022-23
73	B.TECH CSE (AI & ML)	SOET	CSE	ETCS205A	Machine Learning and Pattern Recognition	2022-23
73	B.TECH CSE (AI & ML)	SOET	CSE	ETCS254A	Machine Learning Practical With Python, Scikit-Learn, Matplotlib, Tensorflow	2022-23
84	B.Sc. (H) Data Science	SOET	CSE	ETEC 215A	Embedded Robotics and IOT	2022-23
84	B.Sc. (H) Data Science	SOET	CSE	ETMC602 A	Essentials of Organizational Behaviour	2022-23
84/83/72	B.Sc. (H) Data Science/B.Sc. (H) Cyber Security/B.Sc. (H) Computer Science	SOET	CSE	ETCS228A	Communication and Analytical Skills-I	2022-23
84/83/72	B.Sc. (H) Data Science/B.Sc. (H) Cyber Security/B.Sc. (H) Computer Science	SOET	CSE	ETCS325A	Communication and Analytical Skills-II	2022-23
84/83/72	B.Sc. (H) Data Science/B.Sc. (H) Cyber Security/B.Sc. (H) Computer Science	SOET	CSE	ETCS330A	Communication and Analytical Skills-III	2022-23
83	B.Sc. (H) Cyber Security	SOET	CSE	ETMC602 A	Essentials of Organizational Behaviour	2022-23
73/1/35/36	B.Tech CSE (AI & ML)/B.Tech CSE/B.Tech FSD/B.Tech UX/UI	SOET	CSE	ETCS228A	Communication and Analytical Skills-I	2022-23
73/1/35/36	B.Tech CSE (AI & ML)/B.Tech CSE/B.Tech FSD/B.Tech UX/UI	SOET	CSE	ETCS325A	Communication and Analytical Skills-II	2022-23
73/1/35/36	B.Tech CSE (AI & ML)/B.Tech CSE/B.Tech FSD/B.Tech UX/UI	SOET	CSE	ETCS330A	Communication and Analytical Skills-III	2022-23
2	B.Tech (ME-AD&EV)	SOET	ME	ETMC602 A	Essentials of Organizational Behaviour	2022-23
56	MCA	SOET	CSE	ETCS228A	Communication and Analytical Skills-I	2022-23
56	MCA	SOET	CSE	ETCS325A	Communication and Analytical Skills-II	2022-23

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56	MCA	SOET	CSE	ETCS330A	Communication and Analytical Skills-III	2022-23

9.04 To approve two new programs in the school of Engineering & Technology from the academic session 2022-23.

After receiving feedback from various stakeholders for introducing new programs as per the recent industry trends, the School of Engineering and Technology proposed new programs in Bachelor of Technology Computer Science and Engineering (CSE) with specialization in Full Stack Development in Association with Xebia having 176 credits, Bachelor of Technology Computer Science and Engineering (CSE) with specialization in UI/UX in Association with Imagine XP with credits of 188

The above-mentioned programs were deliberated upon and approved by the committee members (as per ***Annexure IV).***

Following new courses were introduced program wise:

- Bachelor of Technology Computer Science and Engineering (CSE) with specialization in Full Stack Development:

Course Code	Name of the course
ETCS227A	Backend Development using Nodejs
ETCS269A	Backend Development using Nodejs Lab
ETCS332A	CI/CD & Microservice
ETCS356A	CI/CD & Microservice Lab
ETCS224A	Database Engineering with Mongodb

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ETCS270A	Database Engineering with Mongodb Lab
ETCS340A	Devops & Automation
ETCS352A	Devops & Automation Lab
ETEC215A	Embedded Robotics and IOT
ETCS225A	Front End Development with Reactjs
ETCS267A	Front End Development with Reactjs Lab
ETCS120A	Software Craftsmanship
ETCS162A	Software Craftsmanship using Python
ETCS226A	Test Automation
ETCS272A	Test Automation Lab

- Bachelor of Technology Computer Science and Engineering (CSE) with specialization in UX/UI

ETCS467A	Visual Design Tools Lab
ETCS126A	Introduction to UX Design
ETCS152A	Empathy and Understanding Problems Lab
ETCS213A	Technology in Experience Design
ETCS215A	User Research
ETCS251A	User Research Lab
ETCS212A	Introduction to UI Design
ETCS216A	Information Architecture
ETCS256A	UI Design Lab
ETCS303A	Introduction to Interaction Design
ETCS305A	Design Thinking
ETCS351A	Design Thinking Lab
ETCS302A	Wireframing & Prototyping
ETCS358A	Wireframing & Prototyping Lab
ETCS334A	Usability Testing
ETCS429A	Portfolio Development & Review
ETCS467A	Visual Design Tools Lab
ETCS433A	UX Design for Futuristic Technologies - HMI
ETCS435A	Design Thinking for Product Management

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Above new courses are highlighted in curriculum structure as per Annexure IV

9.05 To approve the curriculum mapping with components of Local, Regional, National, Global aspects, SDG Goals, NEP2020, LOCF, Employability from the academic session 2022-23.

The curriculum of all the programs under the School of Engineering and Technology with mapping of components of Local, Regional, National, Global aspects, SDG Goals, NEP2020, LOCF, Employability were presented before the committee members. The members considered the mapping and approved the same from academic session 2022-23. Sample Curriculum mapping is attached as per ***Annexure V.***

9.06 To approve the Evaluation rubrics for Industrial Training /Project/Seminars from the academic session 2022-23

The evaluation rubrics of Industrial Training/Projects/Seminars were discussed and approved from academic session 2022-23(as per ***Annexure VI).***

9.07 To approve the list of internal/external experts for paper setter, moderator & evaluator for UG and PG programs in School of Engineering and Technology.

The list of Paper setter, Moderator & Evaluator experts were discussed and approved (as per ***Annexure VII).***

9.08 To approve value added courses (VAC) to be offered by SOET PAN university during academic session 2022-23

Value added courses (VAC) to be offered by SOET PAN university during academic session 2022-23 are approved (as per ***Annexure VIII).***

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9.09 To report action taken on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc

Action taken report on feedback obtained from stakeholders viz students, faculty, alumni, subject experts, employers, parents etc **(as per Annexure IX).**

The Chair thanked the members for their gracious presence and active participation.

The meeting ended with a vote of thanks to all the present members.

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