

**MINUTES OF THE
BOARD OF STUDIES, DEPARTMENT OF ENGINEERING & TECHNOLOGY
JAGAN NATH UNIVERSITY, JAIPUR**

The 21st meeting of the Board of Studies of Department of Engineering & Technology, Jagan Nath University, Jaipur, was held on May 14, 2018 at 12:30 pm in the Conference Hall, 'A'-Block, Chaksu Campus of the University.

The following members are attended the meeting:

S.No	Name	Designation
1	Prof. (Dr.) Vivek Kr. Sharma, (Dean, Faculty of Engineering & Technology)	Convener
2	Dr. Ramesh Bharti, (HOD, Department of Engineering & Technology)	Member
3	Mr. Gajendra Srimal, Member, Asst. Professor (CS/IT)	Member
4	Mr. Pawan Kumar Suthar, Member, Asst. Professor (CE)	Member
5	Mr. Avinash Nath Tiwari, Member, Asst. Professor (ME)	Member
6	Mr. Rakesh Israni, Member, President Nominee	Member

[Prof. V.P. Bhargava, Experts from Academics and Mr. Ankit Agarwal, Manager (Product), Amazon, India Expert from Industry could not attend].

At the onset, the Convener, Board of Studies welcomed all the members and thanked all the members experts for sparing their valuable time for attending meeting of the Board of Study of the Department of Engineering & Technology. Before the taking the formal agenda he appraised all the members about the Academic progress and other curricular and co-curricular activities, since the last meeting.

Thereafter, the following items on agenda were taken up for consideration:

Item No. 21.01: To confirm the minutes of the last meeting of the Board of Studies held on January 20, 2018.

Resolution: The Minutes of the last Meeting of the Board of Studies were circulated amongst the members. No observations have been received.

The Minutes of the Meeting of the BOS held on January 20, 2018 were confirmed (Annexure 21.01).



Certified True Copy
Registrar
Jagan Nath University, Jaipur

Item No. 21.02: To note the Action taken report of the Minutes of the Meeting of the Board of Studies held on January 20, 2018.

Resolution: The action taken report on the Minutes of last Meeting of the Board of Studies held on January 20, 2018 were discussed and members were satisfied in respect of the follow up action taken by the Department Engineering & Technology(**Annexure 21.02**).

Item No. 21.03: To consider and approve the syllabus for M.Tech Program as per the model curriculum proposed by AICTE.

Resolution: AICTE in its 49th meeting held on March 14, 2017, approved a package of major quality initiatives named "Model Curriculum" for under graduate and post graduate degree courses in Engineering & Technology to improve the standards of technical education and to provide competent technical man power and same was released by Hon'ble Minister of HRD, Government of India.

AICTE has asked the University vide its Letter No. F.No.AICTE/P&AP/Misc./2016 dated 22nd March 2018 to adopt the model curriculum of under graduate and post graduate degree programmes in Engineering programs for the academic session 2018-19.

The model curriculum suggested by AICTE has been considered and found that it will really beneficial for the students. Therefore, the syllabus of M.Tech in Computer Science, M.Tech in Civil Engineering, M.Tech in Mechanical Engineering, M.Tech in Electrical Engineering Program was revised based on the model curriculum proposed by AICTE and it was unanimously considered and approved (**Annexure 21.03**).

The BoS approved and recommended to the Academic Council for its approval.

Item No. 21.04: To consider and approve the revision of the syllabus of B.Tech Program.

Resolution: The Board considered and recommended to the Academic Council for its approval the revised syllabus for B.Tech in Computer Science Engineering, B.Tech Civil Engineering, B.Tech in Mechanical Engineering, B.Tech in Electrical Engineering w.e.f the academic session 2018-19(**Annexure 21.04**).



Prof. Dr. Jagan Nath
Jagan Nath University, Jaipur

Item No. 21.05: To consider the syllabus of BCA course was revised and recommended to Academic Council for approval.

Resolution: The syllabus of BCA program was revised and recommended to Academic Council for approval (**Annexure 21.05**).

Item No. 21.06: To consider and approve the Model Question Paper prepared by the concerned subject faculty member as the syllabus is introduced/revised.

Resolution: The Board considered and approved the Model Question Papers of the various subjects (**Annexure 21.06**).

Item No. 21.07: To consider and approve the proposal of the Teacher Incharge, Computer Science to discontinue the MCA program from Session 2018-19.

Resolution: The Department of Engineering Technology was running MCA Programme since 2010. However, over the period of time the number of students taking admissions in the MCA Programme declined drastically. Due to poor response of students for MCA Programme the Department proposed to discontinue MCA Programme w.e.f the Academic Session 2018-19. The BoS unanimously considered the proposal of the Department regarding the discontinuation of MCA programme w.e.f the academic session 2018-19 and recommended to the Academic Council for its consideration.

Item No. 21.08: To consider and approve the proposal of the Dean, Engineering & Technology regarding the introduction of the various new courses in the B.Tech (Computer Science & Engineering), B.Tech(Electrical Engineering), B.Tech (Mechanical Engineering), B.Tech (Civil Engineering) and M.Tech (Computer Science & Engineering), M.Tech(Electrical Engineering), M.Tech (Mechanical Engineering), M.Tech (Civil Engineering) programmes w.e.f the Academic Session 2018-19 as per the list attached.

Resolution: The BoS considered and approved the proposal of the Dean, Engineering & Technology regarding the introduction of the various new courses in the B.Tech (Computer Science & Engineering), B.Tech(Electrical Engineering), B.Tech (Mechanical Engineering), B.Tech (Civil Engineering) and M.Tech



Certified True Copy
Jagadamba University, Jaipur

(Computer Science & Engineering), M.Tech(Electrical Engineering), M.Tech (Mechanical Engineering), M.Tech (Civil Engineering) programmes w.e.f the Academic Session 2018-19 as per the list attached(**Annexure 21.08**).

Item No. 21.09: To consider the approved the introduction of Value added courses in for Engineering Students.(B.Tech. BCA, M.Tech.)

Resolution: The Board has approved the introduction of Value added courses for Engineering students (B.Tech. BCA, M.Tech.,) The Syllabus of Value Added courses were considered and recommended to the Academic Council (**Annexure 21.09**).

Item No. 21.10: To consider the strategy for implementation of Soft Skills and Professional Skills session for enhancing Employability Skills of final year B.Tech. BCA, M.Tech students.

Resolution: The Board considered and approved the strategy for implementation of Soft Skills and Professional skills session for enhancing Employability skills for B. Tech, BCA, M.Tech students was discussed and approved (**Annexure 21.10**).

Item No. 21.11: To examine feedback analysis report of the Department of Engineering & Technology during the session January 2018-May 2018.

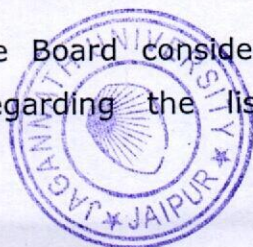
Resolution: The BoS examined the analysis report of the Department of Engineering & Technology during the session January 2018-May 2018.

Item No. 21.12: To note the reports on various activities conducted by the Department during the session January 2018-May 2018.

Resolution: The BoS noted the reports on various activities conducted by the Department during the session January 2018-May 2018.

Item No. 21.13: To consider and approve Board of Examiners for theory and practical examinations for the B.Tech/M.Tech/BCA programmes for the Session July –December 2018.

Resolution: The Board considered and recommended to the Controller of Examinations regarding the list of Examiners for theory and practical




Certified True Copy
Registrar
Jagan Nath University, Jaipur
Page 7 of 8

examination for the B.Tech/M.Tech/BCA/MCA programmes for the Session July – December 2018 (**Annexure 21.13**).

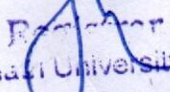
Item No. 21.14: Any other item with permission of the Chair.

Resolution: No other item is reported

The meeting ended with vote of thanks to the chair.


(Dean,
Faculty of Engg. & Tech.)

Certified True Copy


Registrar
Jagan Nath University, Jaipur



New Course Introduced 2018-19
M.Tech (EE) (PS)

S.No.	Name of the Course	Course Code	Year of introduction
1	Advanced Power System Analysis	MTEEPS101	2018
2	Power System Dynamics-I	MTEEPS102	2018
3	Renewable Energy System	MTEEPS103A	2018
4	Smart grids	MTEEPS103B	2018
5	Wind and Solar Systems	MTEEPS103D	2018
6	Electrical Power Distribution System	MTEEPS104A	2018
7	Mathematical Methods for Power Engineering	MTEEPS104B	2018
8	Pulse Width Modulation for PE Converters	MTEEPS104C	2018
9	Electric and Hybrid Vehicles	MTEEPS104D	2018
10	Research Methodology and IPR	MTEEPS105	2018
11	Audit Course -Personality Development Through Life	MTEEPS106	2018
12	Power System Steady State Analysis Lab	MTEEPS107	2018
13	Renewable Energy Lab	MTEEPS108	2018
14	Digital Protection of Power System	MTEEPS201	2018
15	Dynamics of Electrical Machines	MTEEPS203C	2018
16	Advanced Digital Signal Processing	MTEEPS203B	2018
17	Power Apparatus Design	MTEEPS203D	2018
18	Advanced Micro-Controller Based Systems	MTEEPS204A	2018
19	SCADA System and Applications	MTEEPS204B	2018
20	AI Techniques	MTEEPS204D	2018
21	Audit Course	MTEEPS205	2018
22	Power System Protection Lab	MTEEPS206	2018
23	Mini Project with Seminar	MTEEPS208	2018
24	Industrial Load Modeling and Control	MTEEPS301C	2018
25	Dynamics Of Linear Systems	MTEEPS301D	2018
26	Business Analytics	MTEEPS302A	2018
27	Industrial Safety	MTEEPS302B	2018
28	Operations Research	MTEEPS302C	2018
29	Cost Management of Engineering Projects	MTEEPS302D	2018
30	Composite Materials	MTEEPS302E	2018
31	Waste to Energy	MTEEPS302F	2018

M.Tech (CS) New Course Introduced 2018-19

S.No.	Name of the Course	Course Code	Year of introduction
1	Mathematical foundations of Computer Science	MTCSCS 101	2018
2	Advanced Data Structures	MTCSCS 102	2018
3	Machine Learning	MTCSCS 103A	2018
4	Wireless Sensor Networks	MTCSCS 103B	2018

5	Data Science	MTCSCS 104A	2018
6	Distributed Systems	MTCSCS 104B	2018
7	Advanced Wireless and Mobile Networks	MTCSCS 104C	2018
8	Research Methodology and IPR	MTCSCS 105	2018
9	Audit Course - Personality Development Through Life Enlightenment Skills	MTCSCS 106	2018
10	Advanced Data Structures Lab	MTCSCS 107	2018
11	Distributed Systems Lab	MTCSCS 108	2018
12	Data Preparation and Analysis	MTCSCS 203A	2018
13	Secure Software Design & Enterprise Computing	MTCSCS 203B	2018
14	GPU Computing	MTCSCS 204B	2018
15	Digital Forensics	MTCSCS 204C	2018
16	Audit Course - Stress Management by Yoga	MTCSCS A205	2018
17	Mini Project with Seminar	MTCSCS 208	2018
18	Mobile Applications and Services	MTCSCS 301A	2018
19	Business Analytics	MTCSCS 302A	2018
20	Industrial Safety	MTCSCS 302B	2018
21	Operations Research	MTCSCS 302C	2018
22	Cost Management of Engineering Projects	MTCSCS 302D	2018
23	Composite Materials	MTCSCS 302E	2018
24	Waste to Energy	MTCSCS 302F	2018

M.Tech (Civil) New Course Introduced 2018-19

S.No.	Name of the Course	Course Code	Year of introduction
1	Environmental Hydraulics/ Structural Health Monitoring	MTCEEV/SE104B	2018
2	Research Methodology and IPR	MTCEEV/TE/SE105	2018
3	Audit Course: Personality Development Through Life Enlightenment Skills	MTCEEV/TE/SE106	2018
4	Sanitation Engineering Lab/ Pavement analysis and Design Lab/ Advanced Concrete Lab	MTCEEV/TE/SE108	2018
5	Hazardous Waste Treatment / Transportation Facility Design/ Advanced Design of Foundations	MTCEEV/TE/SE204B	2018
6	Ground Water Pollution / Quantitative techniques for transportation engineering / Soil Structure Interaction	MTCEEV/TE/SE 204C	2018
7	Audit Course: Stress Management by Yoga	MTCEEV/TE/SE205	2018
8	Air quality testing lab / CAD in Transportation Engineering / Numerical Analysis Lab	MTCEEV/TE/SE 207	2018
9	Mini Project with Seminar	MTCEEV/TE/SE208	2018
10	Environmental Aspects of Industries/ Mass transit system planning / Analysis of Laminated Composite Plates	MTCEEV/TE/SE301B	2018
11	Business Analytics	MTCEEV/TE/SE302A	2018
12	Industrial Safety	MTCEEV/TE/SE302B	2018



HEAD
DEPARTMENT OF ENGINEERING & TECHNOLOGY
JAGANNATH UNIVERSITY, JAIPUR

2018 Copy
Jagan Nath University, Jaipur

13	Operations Research	MTCEEV/TE/SE302C	2018
14	Cost Management of Engineering Projects	MTCEEV/TE/SE302D	2018
15	Composite Materials	MTCEEV/TE/SE302E	2018
16	Waste to Energy	MTCEEV/TE/SE302F	2018
17	Transportation Planning/ Theory of Structural Stability	MTCETE/SE103C	2018
18	Pavement Maintenance System/ Seismic Design of Structures	MTCETE/SE104C	2018
19	GIS Application in Transportation Engineering / Design of High Rise Structures	MTCETE/SE203C	2018
20	Advanced Structural Analysis	MTCESE101	2018
21	Advanced Solid Mechanics	MTCESE102	2018
22	Theory of Thin Plates and Shells	MTCESE103A	2018
23	Theory and Applications of Cement Composites	MTCESE103B	2018
24	Analytical and Numerical Methods for Structural	MTCESE104A	2018
25	Structural Design Lab	MTCESE107	2018
26	FEM in Structural Engineering	MTCESE201	2018
27	Structural Dynamics	MTCESE202	2018
28	Design of Formwork	MTCESE203B	2018
29	Design of Masonry Structures	MTCESE203D	2018
30	Design of Advanced Concrete Structures	MTCESE204A	2018
31	Design of Industrial Structure	MTCESE204D	2018
32	Model Testing Lab	MTCESE206	2018
33	Design of Prestressed Concrete Structures	MTCESE301A	2018
34	Fracture Mechanics of Concrete Structures	MTCESE301C	2018

M.Tech (Mechanical)

S.No.	Name of the Course	Course Code	Year of introduction
1	Research Methodology and IPR	MTMEPE105	2018
2	Audit Course-Personality Development Through Life Enlightenment Skills	MTMEPE106	2018
3	Manufacturing Lab	MTMEPE108	2018
4	Stress Management by Yoga	MTMEPE 205	2018
5	Robotics Lab	MTMEPE207	2018
6	Mini Project with Seminar	MTMEPE208	2018
7	Business Analytics	MTMEPE 302A	2018
8	Industrial Safety	MTMEPE 302B	2018
9	Operations Research	MTMEPE 302C	2018
10	Cost Management of Engineering Projects	MTMEPE 302D	2018
11	Composite Materials	MTMEPE 302E	2018
12	Waste to Energy	MTMEPE 302F	2018



HEAD
DEPARTMENT OF ENGINEERING & TECHNOLOGY
JAGANNATH UNIVERSITY, JAIPUR

Certified True Copy
Registrar
Jagan Nath University, Jaipur