JAGANNATH UNIVERSITY

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

The 19th meeting of the Board of Studies of Department of Engineering & Technology, Jagan Nath University, Jaipur, was held on May 20, 2017 at 12:30 pm in the Conference Hall, 'A'-Block, Chaksu Campus of the University.

The following members are attended the meeting:

1. Prof. (Dr.) Meenu Dave, Dean, Engineering & Technology	Convener
2. Dr. Sandeep Kumar, HoD, Engineering & Technology	Member
3. Dr. Ramesh Bharti, Teacher Incharge (EE)	Member
4. Dr. Bharat Nagar, Teacher Incharge (CE)	Member
5. Dr. Madan Lal Saini, Teacher Incharge (CS)	Member
6. Mr. Avinash Nath Tiwari, Teacher Incharge (ME)	Member

[(Dr.) Mithilesh Dubey, V.C. Nominee, Dr. J. P. Aggarwal, Principal, JNIT, and Mr. Ankit Agarwal, (Product Manager, Amazon, Bangalore) Expert from Industry could not attend the meeting].

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. 19.01: To confirm the minutes of the last meeting of the Board of Studies held on January 18, 2017.

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 18, 2017 were confirmed **(Annexure 19.01).**

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Item No. 19.02: To note the Action taken report of the Minutes of the Meeting of the Board of Studies held on January 18, 2017.

Resolution: The action taken report on the Minutes of last Meeting of the Board of Studies held on January 18, 2017 were discussed and members were satisfied in respect of the follow up action taken by the Department Engineering & Technology **(Annexure 19.02).**

Item No. 19.03: To consider and approve the introduction of MOOCs courses in the various programmes offered by the Department of Engineering & Technology from the academic session 2017-18.

Resolution: As per directions of the UGC (Credit Framework for on line learning courses through SWAYAM) Regulation 2016, Department of Engineering & Technology, Jagan Nath University, Jaipur has introduced MOOC courses (from session 2017- 18) through SWAYAM platform of Government of India for the benefit of the students. The courses identified by the University to be offered through SWAYAM along with the proposed academic programme and semester in which courses are to be offered as per the list attached **(Annexure 19.03).**

The BoS unanimously considered and recommended to the Academic Council for consideration.

Item No. 19.04: To consider and approve the revision of the syllabi for B.Tech programmes w.e.f the academic session 2017-18.

Resolution: The Syllabi for B. Tech., BCA & MCA programmes of all the semesters were considered and it is RECOMMENDED that the existing approved syllabi be continued for semester July - December 2017 with the following RECOMMENDED changes for B.Tech. (CS, CE, ME, EE):

(i) Semester I and II is common for all B.Tech. Branches and the syllabus has been revised for the session 2017-2021. The details are given in **(Annexure 19.04).**

(ii) For the specified branches of B.Tech. (CS, CE, ME & EE), changes have been proposed in Semester III and Semester IV for the session 2016-2020 and the revisions/modifications are reflected in:

(A) B.Tech. Computer Science:

(B) B.Tech. Civil Engineering:

(C) B.Tech. Mechanical Engineering:

(D) B. Tech. Electrical Engineering:

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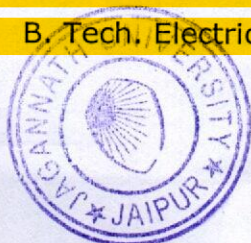
(iii) <mark>The contents in BTCS506A (Principles of Communication) for session 2015-2019 have been changed. The recommended syllabus is given in Annexure.</mark>

Item No. 19.05: To consider and approve the changes in the scheme of the M.Tech CS, ME, EE, & CE) from the academic session 2017-18.

Resolution: The Scheme for M.Tech.(for all branches - CS, ME, EE, & CE) was considered and RECOMMENDED for revision. The revised scheme is attached as the following Annexures:

        M.Tech. Computer Science:

        M.Tech. Mechanical Engineering:

        M.Tech. Electrical Engineering:

        M.Tech. Civil Engineering:

Item No. 19.06: 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) programmes w.e.f the Academic Session 2017-18.

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) programmes w.e.f the Academic Session 2017-18.

Item No. 19.07: To examine feedback analysis report of the Department of Engineering & Technology of the previous semester.

Resolution: The members noted the feedback analysis and approved the action taken on the feedback. The certain grey areas were noted and unanimously agreed to work more effectively to overcome with the problems in the current semester (Annexure 19.07).

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Item No. 19.08: To note the reports on the various activities conducted during the session January 2017- May 2017.

Resolution: The BoS noted the reports on the various activities conducted during the session January 2017- May 2017**(Annexure 19.08).**

Item No. 19.09: To consider and approve Board of Examiners for theory and practical examinations for the B.Tech/M.Tech/BCA/MCA programmes for the Session May –June 2016.

Resolution: The Board considered and recommended to the Controller of Examinations regarding the list of Examiners for theory and practical examination for the B.Tech/M.Tech/BCA/MCA programmes for the Session May –June 2016 **(Annexure 19.09).**

Item No. 17.10: To consider and approve the Model Question Papers prepared by the concerned subject faculty member as the syllabus is revised.

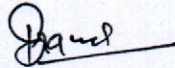**Resolution:** The BoS considered and approved the Model Question Papers prepared by the concerned subject faculty member as the syllabus is revised

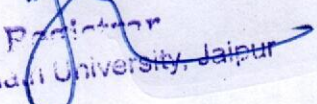**Item No. 19.11: Any other item with permission of the Chair.**
Resolution: No other item is reported.

The meeting ended with Vote of Thanks to the chair.

(Dean, Faculty of Engg. & Tech.)

JAGANNATH UNIVERSITY, Jaipur
DEPARTMENT OF ENGINEERING & TECHNOCLOGY (B.TECH)

New Course Introduced 2017-18

B.TECH (I & II SEM)

S.No.	Name of the Course	Course Code	Year of introduction
1	Environmental Engineering and Disaster Management	BT 105	2017
2	Computer Aided Engineering Graphics	BT 109	2017
3	Human Values	BT 202	2017
4	Basic Civil Engineering	BT 205B	2017
5	Basic Mechanical Engineering	BT 205C	2017
6	Human Values: Activities	BT 206	2017
7	Computer Aided Machine Drawing	BT 209	2017

Syllabus Revision 2017-18

B.TECH (I & II SEM)

S.No.	Name of the Course	Course Code	Year of introduction
1	Engineering mathematics-I	BT 101	2008
2	Communication Skills	BT 102	2008
3	Engineering Physics	BT 103	2008
4	Computer Programming-I	BT 104	2008
5	Communication Skills Lab	BT 106	2015
6	Engineering Physics Lab	BT 107	2008
7	Computer Programming Lab	BT 108	2015
8	Engineering Mathematics-II	BT 201	2008
9	Engineering Chemistry	BT 203	2008
10	Computer Programming-II	BT 204	2008
11	Basic Electrical and Electronic Engineering	BT 205A	2008
12	Basic Mechanical Engineering	BT 205C	2008
13	Engineering Chemistry Lab	BT 207	2008
14	Computer Programming-II Lab	BT 208	2015

B.TECH (MECHANICAL)

S.No.	Name of the Course	Course Code	Year of introduction
1	MEFA	BTME302	2017
2	Machine drawing practice	BTME307	2008
3	Engineering Mechanics	BTME303	2017
4	Programming using MATLAB	BTME310	2017
5	Data Analytics	BTME401	2017
6	Technical Communications	BTME402	2017
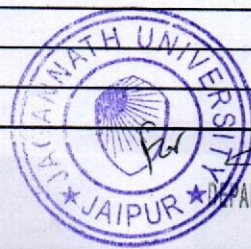
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7	Digital Electronics	BTME403	2017
8	Theory Of Machines	BTME406	2017
9	Digital Electronics Lab	BTME407	2017
10	Theory Of Machine Lab	BTME410	2017
11	Manufacturing Technology	BTME503	2008
12	Principles Of Management	BTME505	2017
13	Mechatronics Lab	BTME507	2016
14	Micro electro and mechanical systems (MEMS) and Microsys	BTME606.C	2017
15	CIMS Lab	BTME607	2017
16	Environmental Engineering and Disaster Management	BTME702.B	2015
17	Quality Control Lab	BTME705	2017
18	Additive Manufacturing	BTME801	2017
19	Energy Management	BTME802.B	2017
20	Waste and By-product Utilization	BTME802.C	2017

B.TECH (CIVIL)   New Course Introduced 2017-18

S.No.	Name of the Course	Course Code	Year of introduction
1	Advance Engineering Mathematics -I	BTCE 301	2017
2	Technical Communication /Managerial Economics & Financial Accounting	BTCE 302	2017
3	Engineering Mechanics	BTCE 303	2017
4	Surveying	BTCE 304	2017
5	Building Materials and Construction	BTCE 306	2017
6	Advance Engineering Mathematics -II	BTCE 401	2017
7	Managerial Economics & Financial Accounting/ Technical Communication	BTCE 402	2017
8	Basic Electronics For Civil Engineering Applications	BTCE 403	2017
9	Hydraulics Engineering	BTCE 405	2017
10	Estimating & Costing	BTCE 605	2017
11	Strength Of Materials	BTCE 404	2017
12	Air & Noise Pollution And Control	BTCE 506A	2017
13	Construction Technology And Equipment	BTCE 501	2017
14	Energy Management	BTCE802A	2017
15	Energy Science And Engineering	BTCE 507C	2017
16	Environmental Engineering and Disaster management	BTCE702B	2017
17	Environmental Engineering Design And Lab	BTCE 608	2017
18	Environmental Monitoring And Design Lab	BTCE706	2017
19	Human Engineering and safety	BTCE702A	2017
20	Pavement Design	BTCE804	2017
21	Professional Practices & Field Engineering Lab	BTCE704	2017
22	Project Planning and Construction Management	BTCE801	2017
23	Project Planning and Construction Management Lab	BTCE803	2017
24	Rock Engineering	BTCE607B	2017
25	Structural Analysis-II	BTCE 602	2017
26	Structure Analysis-I	BTCE 502	2017
27	Town Planning	BTCE 506C	2017
28	Traffic Engineering And Management	BTCE 606	2017

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29	Waste and By-product Utilization	BTCE802B	2017
30	Water And Earth Retaining Structures Design Lab	BTCE 611	2017
31	Wind & Seismic Analysis	BTCE 601	2017

B.TECH (CS) New Course Introduced 2017-18

S.No.	Name of the Course	Course Code	Year of introduction
1	Managerial Economics and Financial Accounting	BTCS302	2017
2	Technical Communication	BTCS402	2017
3	Bioinformatics	BTCS 506C	2017
4	Ad. Java Lab	BTCS 510	2017
5	Machine Learning	BTCS 602	2017
6	Software Defined Network	BTCS 607B	2017
7	E Commerece and ERP	BTCS 607C	2017
8	Machine Learning Lab	BTCS 609	2017
9	Python Lab	BTCS 610	2017
10	Mobile Application Development Lab	BTCS 611	2017
11	Internet of Things	BTCS701	2017
12	Principle of Electronic Communication	BTCS 702A	2017
13	Micro and Smart System Technology	BTCS702B	2017
14	Optimization Techniques	BTCS 702C	2017
15	Internet of Things Lab	BTCS 703	2017
16	Cyber Security Lab	BTCS704	2017
17	Big Data Analytics	BTCS801	2017
18	Robotics and control	BTCS802B	2017
19	Simulation Modeling and Analysis	BTCS802C	2017
20	Big Data Analytics Lab	BTCS803	2017
21	Software Testing and Validation Lab	BTCS804	2017
22	Discipline & social outreach & extra curricular activities	BTCS806	2017
	Revised		
23	Advanced Engineering Mathematics	BTCS 301	2008
24	Object Oriented Programming	BTCS 305	2008
25	Data Communication and Computer Networks	BTCS406	2015
26	Linux Shell Programming Lab	BTCS 410	2008
27	Network Programming Lab	BTCS 409	2016
28	Wireless Communication	BTCS 506A	2015
29	Cloud Computing	BTCS 606	2016

B.TECH (EE) New Course Introduced 2017-18

S.No.	Name of the Course	Course Code	Year of introduction
1	Advance Mathematics	BTEE 301	2017
2	Managerial Economics and Financial Accounting	BTEE302	2017
3	Electrical circuit design Lab	BTEE310	2017
4	Biology	BTEE401	2017
5	Technical Communication	BTEE402	2017
6	Digital Electronics	BTEE407	2017
7	Digital Electronics Lab	BTEE 410	2017
8	Electrical Materials	BTEE501	2017

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9	Power System - I	BTEE502	2017
10	Microprocessor	BTEE504	2017
11	Restructured Power System.	BTEE506A	2017
12	Electromagnetic Wave	BTEE506B	2017
13	Digital Control System	BTEE506C	2017
14	Power System - I Lab	BTEE507	2017
15	System Programming Lab	BTEE510	2017
16	Computer Architecture	BTEE601	2017
17	Electrical Energy Conversion and Auditing	BTEE604	2017
18	Electric Drives	BTEE605	2017
19	Digital Signal Processing	BTEE606B	2017
20	Electrical and Hybrid Vehicles	BTEE606C	2017
21	Power System - II Lab	BTEE607	2017
22	Modelling and simulation lab	BTEE610	2017
23	Wind & Solar Energy Systems	BTEE701A	2017
24	Power Quality and FACTS	BTEE701B	2017
25	Principle of Electronic Communication	BTEE702A	2017
26	Water Pollution Control Engineering	BTEE702B	2017
27	Micro and Smart System Technology	BTEE702C	2017
28	Embedded System Lab	BTEE703	2017
29	Advanced Control System Lab	BTEE704	2017
30	HVDC Transmission System	BTEE801A	2017
31	Line Commutated & Active rectifiers.	BTEE801B	2017
32	Advanced Electric Drives.	BTEE801C	2017
33	Electrical & Electronic Ceramics	BTEE802A	2017
34	Robotics and Control	BTEE802B	2017
35	Composite Materials	BTEE802C	2017
36	Energy System Lab	BTEE803	2017

syllabus revised

37	Electrical Circuit Analysis	BTEE304	2010
38	Analog Electronics	BTEE305	2010
39	Signals & Systems	BTEE406	2010
40	Electrical Machine - II Lab	BTEE408	2010
41	Measurement Lab	BTEE411	2010
42	Electrical Machine Design	BTEE505	2010
43	Control System Lab	BTEE508	2010
44	Power Electronics Lab	BTEE409	2010

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