

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

The 17th meeting of the Board of Studies of Department of Engineering & Technology, Jagan Nath University, Jaipur, was held on May 13, 2016 at 12:00 NOON in the Pro-VC Office, 'D'Block, Chaksu Campus of the University.

The following members are attended the meeting:

S.No	Name	Particular
1	Prof. Y S Shishodia Pro- Chancellor, Jagan Nath University, Jaipur & Dean, Faculty of Engg. & Technology, Jagan Nath University, Jaipur	Convener
2	Dr. M P Singh Professor & Head, Department of Engg. & Tech., Jagan Nath University, Jaipur	Member
3	Dr. Sandeep Kumar, Teacher Incharge, CSE/IT, Department of Engg. & Tech Jagan Nath University, Jaipur	Member
4	Mr. Bharat Nagar, Teacher Incharge- Civil Engg., Department of Engg. & Tech Jagan Nath University, Jaipur	Member
5	Dr. Mithilesh Kumar Dubey, Assistant Professor, Department of Engg. & Tech Jagan Nath University, Jaipur	Member as VC Nominee

[Mr. Ramesh Bharti, Teacher Incharge- EE, Dr. J. P. Aggarwal, Principal, JNIT, Subject Expert and Mr. Ankit Aggarwal, Manager (Product) Expert from Industry could not attend the meeting].

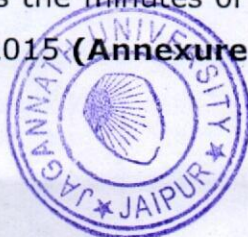
At the onset, the Convener, Board of Studies welcomed all the members and thanked all the members experts for sparing their valuable time for attending meeting of the Board of Study of the Faculty of Engineering & Technology. Before the taking the formal agenda he appraised all the members about the 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. 17.01: To confirm the minutes of the last meeting of the Board of Studies held on December 31, 2015.

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

The Board confirms the minutes of the last Meeting of the Board of Studies held on December 31, 2015. **(Annexure 17.01).**



Item No. 17.02: To note the Action taken report of the Minutes of the Meeting of the Board of Studies held on December 31, 2015.

Resolution: The action taken report on the Minutes of last Meeting of the Board of Studies held on December 31, 2015 were discussed and members were satisfied in respect of the follow up action taken by the Faculty of Engineering & Technology (**Annexure 17.02**).

Item No. 17.03: To consider and approve the revision of the syllabi for B.Tech, BCA & MCA programmes of all semesters w.e.f the academic session 2016-17.

Resolution: The Syllabi for B.Tech, BCA & MCA Programmes of all semesters were considered w.e.f the academic session 2016-17 in accordance with CBCS Scheme and recommended that the existing approved syllabi be continued for July- December 2016 with following changes for B.Tech (Electrical Engineering), B.Tech(Mechanical Engineering), B.Tech (Civil Engineering), B.Tech (Computer Science & Engineering), (BCA III- semester and MCA-I & II semester. The following changes are recommended:

- A. In the Syllabi of B.Tech (Electrical Engineering), B.Tech(Mechanical Engineering), B.Tech (Civil Engineering), B.Tech (Computer Science & Engineering) have been changed approx 25 % and recommended to the Academic Council.
- B. The contents of BCA301 (Object Oriented Programmes in C++) & BCA302 (Database Management System) has been changed. The recommended syllabus is attached.
- C. The contents in MCA103 (Programming in C) & MCA305 (C# and .NET Programming) has been changed. The recommended syllabus is attached.

The BoS unanimously recommended to the Academic Council for its approval.

Item No. 17.04: To consider and approve the recommendations of the Dean, Research regarding the revision of the PhD Course Work syllabus for all 4 Research programmes (Computer Science & Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering) w.e.f the academic session 2016-17.



Resolution: The BoS considered the recommendations of the Dean, Research regarding the revision of the PhD Course Work syllabus for all 4 Research programmes (Computer Science & Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering) w.e.f the academic session 2016-17. The BoS unanimously recommended to the Academic Council for its approval **(Annexure 17.04).**

Item No. 17.05: To consider and approve the proposal of the Dean, Engineering & Technology regarding the introduction of the various 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 2016-17.

Resolution: The BoS considered and approved the proposal of the Dean, Engineering & Technology regarding the introduction of the various 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 2016-17 as per the list attached **(Annexure 17.05).**

Item No. 17.06: To consider and approve the Model Question Paper prepared by the concerned subject faculty member as the syllabus is revised.

Resolution: The BoS considered and approved the Model Question Papers of the various subjects **(Annexure 17.06).**

Item No. 17.07: 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 17.07).**

Item No. 17.08: To note the reports on various activities conducted by the Faculty of Engineering & Technology during the January 2016- May 2016.

Resolution: The BoS noted the reports on various activities conducted by the Faculty of Engineering & Technology during the January 2016- May 2016.



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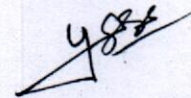
Item No. 17.09: To consider and approve Board of Examiners for theory and practical examinations for the B.Tech/M.Tech/BCA/MCA programmes for the Session May –June 2016.

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 17.09**).

Item No. 17.10: Any other item with permission of the Chair.

Resolution No. 17.10.1: The BoS noted various activities conducted by the CRMC Cell for the Training and Placement related activities for the final and pre-final students of B.Tech, BCA and MCA programmes.

The meeting is ended with vote of thanks to the Chair



(Prof. Y S Shishodia)
Dean, Faculty of Engg & Tech



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

New Course Introduced 2016-17

B.TECH (MECHANICAL)

S.No.	Name of the Course	Course Code	Year of introduction
1	Advanced Engineering Mathematics	BTME 301	2016
2	Basic Mechanical Engineering Lab	BTME308	2016
3	Machining & Machine Tools	BTME403	2016
4	Production Practice-II	BTME409	2016
5	Thermal Engineering Lab-I	BTME411	2016
6	Measurement & Metrology	BTME503	2016
7	Sociology and Economics for Engineers	BTME505	2016
8	Computer Aided Design and Graphics	BTME506.A	2016
9	Statistics for Decision Making	BTME506.C	2016
10	Newer Machining Methods	BTME602	2016
11	Mechatronics	BTME603	2016
12	Industrial Engineering Lab-I	BTME608	2016
13	Mechatronics Lab.	BTME609	2016
14	Finite Element Methods	BTME701	2016
15	Operations Management	BTME705	2016
16	Micro and Nano Manufacturing	BTME706.A	2016
17	Robotics	BTME706.B	2016
18	CNC Machines and Programming	BTME706.C	2016
19	Thermal Engineering Lab-II	BTME707	2016
20	FEM Lab	BTME708	2016
21	Computer Integrated Manufacturing Systems	BTME801	2016
22	Laws for Engineers	BTME802	2016
23	Computational Fluid Dynamics	BTME804.B	2016
24	Total Quality Management	BTME804.C	2016
25	Industrial Engineering Lab - II	BTME809	2016
26	Operations Research	BTME703	2016

B.TECH (CIVIL) New Course Introduced 2016-17

S.No.	Name of the Course	Course Code	Year of introduction
1	Advanced Engineering Mathematics	BTCE 301	2016
2	Strength of Materials-I	BTCE 302	2016
3	Construction Technology	BTCE 305	2016
4	Building Drawing-I	BTCE 309	2016



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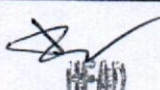
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5	Professional Ethics & Disaster Management	BTCE 311	2016
6	Strength of Materials-II	BTCE 401	2016
7	Theory Of Structures-I	BTCE 501	2016
8	Geotechnical Engineering – I	BTCE 503	2016
9	Building Design	BTCE 505	2016
10	Solid Waste Management	BTCE 506C	2016
11	Environmental Engineering Design & Lab. -I	BTCE 507	2016
12	Discipline & Extra Curricular Activity	BTCE512	2016
13	Theory Of Structures-II	BTCE 601	2016
14	Geotechnical Engineering – II	BTCE 602	2016
15	Rock Mechanics	BTCE 606B	2016
16	Geotechnical Engg. Design And Laboratory. – II	BTCE 607	2016
17	Discipline & Extra Curricular Activity	BTCE 612	2016
18	Water Resource Engineering-I	BTCE 701	2016
19	Application of Numerical Methods in Civil Engineering	BTCE 705	2016
20	Advance Transportation Engineering	BTCE 706A	2016
21	Design of Prestress Concrete Structures	BTCE 706B	2016
22	Rural Water Supply & Sanitation	BTCE 706C	2016
23	Design Of Water Resource Structures Lab-I	BTCE 707	2016
24	Concrete Structures Design Lab-Ii	BTCE 709	2016
25	Application Of Numerical Methods In Civil Engineering Lab	BTCE 710	2016
26	Discipline & Extra Curricular Activity	BTCE 713	2016
27	Water Resource Engineering-II	BTCE 801	2016
28	Bridge Engineering	BTCE 804A	2016
29	Advance Foundation Engineering	BTCE 804B	2016
30	Earthquake Resistant Construction & Design	BTCE 804C	2016
31	Design of Water Resource Structures Lab-II	BTCE 805	2016
32	Professional Practice & Estimating Lab	BTCE 806	2016
33	Design of Foundations Lab	BTCE 808	2016
34	Structural Analysis by Matrix Methods Lab	BTCE 809	2016
35	Seminar	BTCE 810	2016
36	Project-II	BTCE 811	2016
37	Discipline & Extra Curricular Activity	BTCE 812	2016

B.TECH (CS) New Course Introduced 2016-17

S.No.	Name of the Course	Course Code	Year of introduction
1	Linux and Shell Programming	BTCS 306	2016
2	Unix Shell Programming	BTCS 311	2016
3	Discrete Mathematical Structures	BTCS 402	2016
4	Statistics and Probability Theory	BTCS 403	2016
5	Business Entrepreneurship Development	BTCS 410	2016
6	Discipline & Extra Curricular Activities	BTCS 411	2016
7	Digital Logic Design	BTCS 502	2016
8	Digital Signal Processing	BTCS506B	2016



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9	System Design in UML Lab.	BTCS 508	2016
10	Operating Systems Simulation Lab	BTCS 509	2016
11	Digital Hardware Design Lab	BTCS 510	2016
12	Discipline & Extra Curricular Activities	BTCS 511	2016
13	Advance Topics in Operating Systems	BTCS 606A	2016
14	Human Computer Interface	BTCS 606C	2016
15	Embedded System Design Lab.	BTCS 610	2016
16	Humanities and Social Sciences	BTCS 611	2016
17	Discipline & Extra Curricular Activities	BTCS 612	2016
18	Cloud Computing	BTCS 701	2016
19	Computer Aided Design for VLSI	BTCS 704	2016
20	Robotics	BTCS 706B	2016
21	Web Development Lab	BTCS 707	2016
22	VLSI Physical Design Lab	BTCS 708	2016
23	Discipline & Extra Curricular Activities	BTCS 712	2016
24	Mobile Computing	BTCS 801	2016
25	Digital Image Processing	BTCS 802	2016
26	Hardware Testing & Fault Tolerance	BTCS 804A	2016
27	Real Time Systems	BTCS 804B	2016
28	Information Retrieval	BTCS 804C	2016
29	Unix Network Programming & Simulation Lab	BTCS 805	2016
30	FPGA Lab.	BTCS 806	2016
31	Digital Image Processing lab	BTCS 807	2016
32	Discipline & Extra Curricular Activities	BTCS 810	2016
33	Computer Aided Software Engineering Lab	BTCS 409	2016

B.TECH (EE) New Course Introduced 2016-17

S.No.	Name of the Course	Course Code	Year of introduction
1	Electronic Devices & Circuits	BTEE301	2016
2	Liner Integrated Circuits	BTEE303	2016
3	Electronic Devices Lab	BTEE307	2016
4	Electronics Engineering Design Lab	BTEE309	2016
5	C++ Programming Lab	BTEE310	2016
6	Optimization Techniques	BTEE506A	2016
7	Principle of Communication Systems	BTEE506B	2016
8	Introduction to VLSI	BTEE506C	2016
9	System Programming Lab	BTEE509	2016
10	Professional Ethics and Disaster Manage	BTEE 511	2016
11	Discipline & Extra Curricular Activity	BTEE512	2016
12	Advanced Power Electronics	BTEE604	2016
13	Smart Grid Technology	BTEE605	2016
14	Power System Instrumentation	BTEE606B	2016



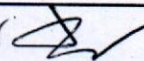
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15	Digital Communication and Information Theory	BTEE606C	2016
16	Smart Grid Lab	BTEE610	2016
17	Entrepreneurship Development	BTEE611	2016
18	Discipline & Extra Curricular Activity	BTEE612	2016
19	Power System Planning	BTEE701	2016
20	Computer Aided Design of Electrical machines	BTEE706B	2016
21	Power System Planning Lab	BTEE707	2016
22	Power System Modelling & Simulation lab	BTEE708	2016
23	Industrial Economics & Management	BTEE709	2016
24	Discipline & Extra Curricular Activity	BTEE712	2016
25	Protection of Power System	BTEE803	2016
26	FACTS Devices & Their Applications	BTEE804B	2016
27	Power System Transients	BTEE804C	2016
28	Computer Based Power System Lab	BTEE805	2016
29	High Voltage Engineering Lab	BTEE807	2016
30	Discipline & Extra Curricular Activities	BTEE810	2016
Syllabus Revised			
31	Electrical Circuit Lab	BTEE308	2010
32	Analog Electronics	BTEE401	2010
33	Electrical Measurements	BTEE403	2010
34	Electrical Measurement Lab	BTEE408	2010
35	Switchgear & Protection	BTEE603	2010
36	Control System Lab	BTEE607	2010
37	Power System Analysis	BTEE702	2010
38	Artificial Intelligence Techniques	BTEE703	2015
39	Advanced Engineering Mathematics-II	BTEE406	2010
40	Microprocessors & Computer Architecture	BTEE502	2010
41	Power Electronics Lab	BTEE507	2010

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(Ph.D.)

New Course 2016-17

S.No.	Name of the Course	Course Code	Year of introduction
1	CS-I	RCWDMCS1	2016
2	CS-II	RCWCCCS2	2016
3	CS-III	RCWSCCS3	2016
4	MECH-I	RCWME1	2016
5	MANAGEMENT-I	RCWMGFN1	2016
6	MANAGEMENT-II	RCWMGHRM2	2016
7	MANAGEMENT-III	RCWMGMKT3	2016
8	LAW	RCWLAW	2016

Syllabus Revised

1	Research Methodology	RCW - I	2010
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