



**JAGANNATH**  
UNIVERSITY

**JAIPUR**

**MINUTES OF THE BOARD OF STUDIES**  
**DEPARTMENT OF ENGINEERING & TECHNOLOGY**

**DATE : MAY 11, 2015**

**TIME : 03:00 PM**

**VENUE : DEPARTMENT OF ENGINEERING &  
TECHNOLOGY, JAGANNATH UNIVERSITY,  
CHAKSU CAMPUS, JAIPUR**



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**INDEX OF THE MINUTES OF  
THE BOARD OF STUDIES, DEPARTMENT OF ENGINEERING &  
TECHNOLOGY, JAGAN NATH UNIVERSITY, JAIPUR  
HELD ON MAY 11, 2015 AT 03:00 PM**

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15.02	Action taken report of the Minutes of the Meeting of the Board of Studies held on December 31, 2014.	4
15.03	To consider and approve the Regulations, Examination Scheme and Syllabus for the B.Tech(CSE, ME,CE,EE), M.Tech(CSE, ME,CE,EE), BCA & MCA programmes run by the Department in accordance with Choice Based Credit System (CBCS) Scheme w.e.f the Academic Year 2015-16.	4
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**MINUTES OF THE  
BOARD OF STUDIES, DEPARTMENT OF ENGINEERING & TECHNOLOGY  
JAGAN NATH UNIVERSITY, JAIPUR**

The 15<sup>th</sup> meeting of the Board of Studies of the Department of Engineering & Technology, Jagan Nath University, Jaipur, was held on May 11, 2015 at 03:00 p.m. in the Pro-VC Office, 'D' Block, Chaksu Campus of the University.

The following members are attended the meeting:

1. Prof. (Dr.). Y. S. Shishodia	Convener
2. Dr. M. P. Singh, HOD-Mechanical Engg.	Member
3. Dr. Vikas Bishnoi, HOD -Life and Allied Science	Member
4. Mr. Sandeep Kumar, Teacher Incharge, -CSE/IT	Member
5. Mr. Bharat Nagar, Teacher Incharge, CE	Member
6. Mr. Vishal Sharma, Teacher Incharge - EE	Member
7. Mr. Amit Goswami, Teacher Incharge-Physics	Member
8. Dr. Jagdev Singh, Teacher Incharge, Mathematics	Member
9. Mr. Himanshu Joshi, Assistant Professor	Member
10. Mr. Mithilesh Dubey, V.C. Nominee	Member

[Dr. Preeti Bala Sharma, Teacher In-charge, English, Dr. J. P. Aggarwal, Principal, JNIT and Mr. Ankit Aggarwal, Manager (Product) Expert from Industry could not attend the meeting].

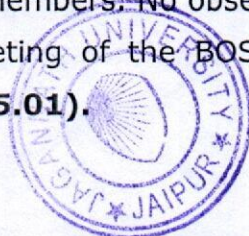
At the onset, the Convener, Board of Studies welcomed all the members and thanked all the members including outside experts for sparing their valuable time for attending meeting of the Board of Studies of the Department of Engineering & Technology.

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

**Item No. 15.01: To confirm the minutes of the last meeting of the Board of Studies held on December 31, 2014.**

**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 December 31, 2014 were confirmed (**Annexure 15.01**).



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**Item No. 15.02: Action taken report of the Minutes of the Meeting of the Board of Studies held on December 31, 2014.**

**Resolution:** The action taken report on the Minutes of last Meeting of the Board of Studies held on December 31, 2014 were discussed and members were satisfied in respect of the follow up action taken by the Department Engineering & Technology (**Annexure 15.02**).

**Item No. 15.03: To consider and approve the Regulations, Examination Scheme and Syllabus for the B.Tech (CSE, ME, CE, EE), M.Tech(CSE, ME,CE,EE), BCA & MCA programmes run by the Department in accordance with Choice Based Credit System (CBCS) Scheme w.e.f the Academic Year 2015-16.**

**Resolution:** The University Grants Commission vide D.O. No. F.1-1/2014 (Secy) dated January 20, 2015 had sent Guidelines to all the universities for implementation of Choice Based Credit System. The Vice-Chancellor had formed a Working Group to modify the syllabi of all the courses conducted by the University in accordance with the UGC Guidelines. The main thrust of the CBCS was to divide the course of a particular degree program into (i) Core courses (ii) Elective courses and (iii) Foundation courses. Also the Credit system is to be followed in all the courses. Accordingly several meetings of the Department Members of Engineering and Technology were held to suggest appropriate changes in the regulations, Examination Scheme and syllabi (**Annexure 15.03**).

The draft syllabi and Regulations have been placed in the Meeting of Board of Studies:

- A. The Detailed syllabi for B. Tech in Civil Engineering, B. Tech in Computer Science and Engineering, B. Tech in Electrical Engineering and B. Tech in Mechanical Engineering with effect from the academic session 2015-16 have been considered and RECOMMENDED to Academic Council for APPROVAL.
- B. The Detailed syllabi for B.C.A. and M.C.A. programmes with effect from academic session 2015-16 have been considered and RECOMMENDED to Academic Council for APPROVAL.
- C. The Detailed syllabi for M. Tech in Civil Engineering, M. Tech in Computer Science and Engineering, M. Tech in Electrical Engineering and M. Tech in Mechanical Engineering with effect from academic session 2015-16 have been considered and RECOMMENDED to Academic Council for APPROVAL.
- D. The Detailed syllabi for Diploma in Electrical Engineering with effect from academic session 2015-16 has been considered and RECOMMENDED to



Academic Council for APPROVAL with necessary amendments as suggested by the members: of Board of Studies.

- E.** The Regulations of B.Tech, M.Tech, BCA, MCA and Diploma in Engineering made in consonance with UGC-CBCS scheme to be effective from Academic session 2015-16 have been considered and RECOMMENDED to Academic Council for APPROVAL with necessary amendments as suggested by the members of Board of Studies.

**The BoS considered and recommended to the Academic Council for its approval regarding the Regulations, Examination Scheme and Syllabus for the B.Tech, M.Tech, BCA, MCA programmes run by the Department of Engineering & Technology in accordance with Choice Based Credit System(CBCS) Scheme w.e.f the Academic Year 2015-16. It was further decided that the students admitted before the session 2015 there syllabus will be follow as already approved.**

**Item No. 15.04: To consider and approve the strategy for implementation of Soft Skills and Professional Skills session for enhancing Employability skills for final year students of B.Tech, BCA, M. Tech, MCA programmes.**

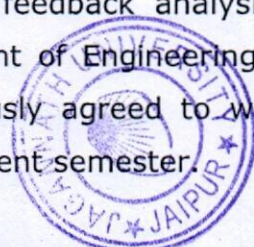
**Resolution:** The Board considered and approved the strategy for implementation of Soft Skills and Professional skills session for enhancing Employability skills of final year B. Tech, BCA, M. Tech, MCA students.

**Item No. 15.05: To consider and approve the Model Question Papers prepared by the concerned subject teacher as the syllabus is introduced/revised.**

**Resolution:** The Board considered and approved the Model Question Papers of the various subjects (**Annexure 15.05**).

**Item No. 15.06: To examine feedback analysis report of the Department of Engineering & Technology of the previous semester.**

**Resolution:** The BoS Examined the feedback analysis report taken by the various stakeholders of the Department of Engineering & Technology. Certain grey areas were noted and unanimously agreed to work more effectively to overcome with the problems in the current semester.



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**Item No. 15.07: To note the reports on various activities conducted by the Faculty of Engineering & Technology during the current semester.**

**Resolution:** The BoS noted the reports on various activities conducted by the Faculty of Engineering & Technology during the current semester (**Annexure 15.07**).

**Item No. 15.08: To consider and approve the Board of Examiners for theory and practical examinations for the B.Tech/M.Tech/BCA/MCA programmes for the session July-December 2015.**

**Resolution:** The BoS considered the list of Examiners for theory and practical examination for the B.Tech/M.Tech/BCA/MCA programmes for the Session July - December 2015. The Board recommended to the Controller of Examinations for necessary action (**Annexure 15.08**).

**Item No. 15.09: To note various reports on Training and Placement activities for the Department of Engineering & Technology during the session 2015-16.**

**Resolution:** The Board noted the various reports on Training and Placement activities of the Department of Engineering & Technology during the session 2015-16 (**Annexure 15.09**).

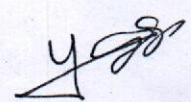
**Item No. 15.10: Any other item with permission of the Chair.**

**Resolution 15.10.1:** The Board considered and recommended to the Academic Council for its approval regarding the introduction of new courses and revision in the syllabi for B.Tech (Computer Science Engineering), B.Tech (Electrical Engineering), B.Tech (Mechanical Engineering), B.Tech (Civil Engineering), M.Tech (Computer Science Engineering), M.Tech (Electrical Engineering), M.Tech (Mechanical Engineering), M.Tech (Civil Engineering), BCA and MCA the programmes w.e.f the Academic Session 2015-16 (**Annexure 15.10.1**).

The meeting ended with a Vote of Thanks to the Chair.



Convener BOS,  
Faculty of Engg. & Tech  
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**JAGANNATH UNIVERSITY, Jaipur**  
**DEPARTMENT OF ENGINEERING & TECHNOLOGY (MCA)**

**New Course Introduced 2015-16**

S.No.	Name of the Course	Course Code	Year of introduction
1	Management of Information system	MCA 104	2015
2	System Analysis & Design	MCA 105	2015
3	Communication Skills-Scientific & Technical Writing	MCA 106	2015
4	System Analysis & Design Lab	MCA 109	2015
5	E-Commerce	MCA 201	2015
6	Mathematics	MCA 206	2015
7	Operating Systems Lab	MCA 207	2015
8	Database Management System	MCA 301	2015
9	Data Structure & Algorithms	MCA 302	2015
10	Distributed Systems	MCA 306	2015
11	Data Structure & Algorithms Lab	MCA 309	2015
12	Information Security Systems	MCA 406	2015
13	Core PHP	MCA 505	2015
14	Operational Research	MCA 506.a	2015
15	Computer Graphics	MCA 506.c	2015
16	Advanced Software Engineering	MCA 506.d	2015
17	PHP Lab	MCA 509	2015

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**JAGANNATH UNIVERSITY, Jaipur**  
**DEPARTMENT OF ENGINEERING & TECHNOLOGY (BCA)**

**New Course Introduced 2015-16**

S.No.	Name of the Course	Course Code	Year of introduction
1	Environmental Studies	BCA 206	2015
2	Personality Development Lab	BCA 209	2015
3	Software Engineering Lab	BCA 408	2015
4	Advance Java	BCA 504	2015
5	Advance Java Lab	BCA 508	2015
6	Fundamental of PHP	BCA 604B	2015
7	Intellectual Property Rights	BCA 604D	2015
8	Cyber Ethics & Crime	BCA 605C	2015
9	Entrepreneurship	BCA 605D	2015

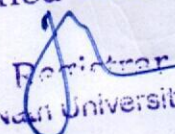
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**JAGANNATH UNIVERSITY, Jaipur**  
**DEPARTMENT OF ENGINEERING & TECHNOLOGY (M.TECH)**

**New Course Introduced 2015-16**

**M.Tech (EE) (PS)**

S.No.	Name of the Course	Course Code	Year of introduction
1	Reactive Power Compensation and Management	MTEEPS104C	2015
2	Power System Simulation Lab	MTEEPS105	2015
3	Demand Side Energy Management	MTEEPS204C	2015
4	Advance Power System design Lab	MTEEPS205	2015
5	Power Quality	MTEEPS304B	2015
6	Power System Deregulation	MTEEPS304C	2015

**M.Tech (CS) New Course Introduced 2015-16**

S.No.	Name of the Course	Course Code	Year of introduction
1	Advanced Compilation Techniques	MTCSCS104C	2015
2	Advanced Communication Networks Lab	MTCSCS 105	2015
3	Distributed Algorithms	MTCSCS201	2015
4	Multimedia Computing	MTCSCS204C	2015
5	Cloud Computing Lab	MTCSCS 205	2015
6	Soft computing	MTCSCS302	2015
7	Parallel Computing	MTCSCS304B	2015
8	Object Oriented Analysis and Design	MTCSCS304C	2015

**M.Tech (Civil) New Course Introduced 2015-16**

S.No.	Name of the Course	Course Code	Year of introduction
1	Advanced Water Treatment Lab / Ground Improvement Techniques Lab	MTCEEV/TE/SE105	2015
2	Solid Waste Management	MTCEEV204A	2015
3	Industrial Waste Treatment Lab / Highway Material Testing Lab / Non-destructive testing Lab	MTCEEV/TE/SE205	2015
4	Ground Water Pollution	MTCEEV304A	2015
5	Indoor Air Quality / Intelligent Transport System / Advanced Foundation Engineering	MTCEEV/TE/SE304C	2015
6	Highway Construction / Design Of Substructures	MTCEE/SE204C	2015



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

**New Course Introduced 2015-16**

**B.TECH (I & II SEM)**

S.No.	Name of the Course	Course Code	Year of introduction
1	IT Fundamental Lab*	BT 109	2015
2	Engineering Mechanics*	BT 203	2015
3	Environmental Sciences	BT 206	2015
4	Computer Programming Lab*	BT 209	2015
5	Communication Skill Lab*	BT 211	2015

**Syllabus Revision 2015-16**

**B.TECH (I & II SEM)**

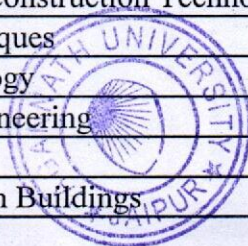
S.No.	Name of the Course	Course Code	Year of introduction
1	Introduction to Computers Fundamental and IT*	BT 102	2008
2	Electrical & Electronic Lab-II	BT 207	2008

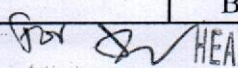
**B.TECH (MECHANICAL) New Course Introduced 2015-16**

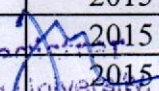
S.No.	Name of the Course	Course Code	Year of introduction
1	Numerical Analysis and Statistical Techniques	BTME 301	2015
2	Management of Manufacturing system	BTME502	2015
3	Non Destructive Evaluation & Testing	BTME606B	2015
4	Design and Manufacture of Plastic products	BTME606C	2015
5	Mechatronics	BTME606E	2015
6	Advanced Manufacturing Methods	BTME 806A	2015
7	Environmental Engg.& Disaster Mgmt	BTME806B	2015
8	Power Generation	BTME806C	2015

**B.TECH (CIVIL)**

S.No.	Name of the Course	Course Code	Year of introduction
1	Numerical Analysis and Statistical Techniques**	BTCE 301	2015
2	GD&soft skill	BTCE 311	2015
3	Advanced civil engineering Construction Technology**	BTCE 401	2015
4	Ground Improvement Techniques	BTCE 506C	2015
5	Advanced Concrete Technology	BTCE 506D	2015
6	Advanced Geotechnical Engineering	BTCE 606B	2015
7	Water Engineering	BTCE 606C	2015
8	Planning and Design of Green Buildings	BTCE 606D	2015



  
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9	Water Resource System Planning	BTCE 805B	2015
10	Project Planning & Construction Management	BTCE 805C	2015
11	construction management	BTCE 805D	2015
12	Advance Transportation Engineering	BTCE 805E	2015
13	Earth Quake Resistant Design & Construction**	BTCE 806A	2015
14	Rural Water Supply & Sanitation	BTCE 806B	2015
15	Pr-estressed concrete	BTCE 806C	2015
16	Non Destructive Testing Techniques	BTCE 806D	2015
17	Applications of Remote Sensing and GIS in Civil Engineering	BTCE 806E	2015

**B.TECH (CS) New Course Introduced 2015-16**

S.No.	Name of the Course	Course Code	Year of introduction
1	Foundation of Computer Science	BTCS 302	2015
2	GD and Soft Skills	BTCS 311	2015
3	Core PHP	BTCS 405	2015
4	Computer Organisation and Architecture Lab	BTCS 408	2015
5	PHP Lab	BTCS 410	2015
6	Principles of Communication	BTCS 506A	2015
7	Analog and Digital Communication	BTCS 506E	2015
8	Communication Lab	BTCS 511	2015
9	Viva Industrial Training / In-house Workshop	BTCS 512	2015
10	Operations Research	BTCS 601	2015
11	Advanced DBMS	BTCS 606B	2015
12	Advanced PHP	BTCS 606C	2015
13	Principles of Programming Languages	BTCS 606D	2015
14	E-Commerece	BTCS 606E	2015
15	Computer Networks Lab	BTCS 608	2015
16	Industrial tour/ In house workshop	BTCS 611	2015
17	Communication for professional lab	BTCS 612	2015
18	Software Testing and Quality Assurance	BTCS 802	2015
19	Information Security System	BTCS 804	2015
20	Data Mining and Business Intelligence	BTCS 805B	2015
21	Natural Language Processing	BTCS 805C	2015
22	Web Intelligence and Big Data	BTCS 805D	2015
23	Wireless Communication & Networks	BTCS 805E	2015
24	Parallel Computing	BTCS 806A	2015
25	Advanced Computer Networks	BTCS 806B	2015
26	Distributed Systems	BTCS 806C	2015
27	Soft Computing	BTCS 806D	2015
28	Data Compression Techniques	BTCS 806E	2015
29	Compiler Design Lab	BTCS 808	2015
30	ISS Lab	BTCS 809	2015
31	Summer Training / Industrial Workshop/ Certification	BTCS 810	2015

**B.TECH (EE) New Course Introduced 2015-16**

S.No.	Name of the Course	Course Code	Year of introduction



1	Object Oriented Programming	BTEE306	2015
2	Object Oriented Programming Lab	BTEE309	2015
3	Humanities & Social Science	BTEE311	2015
4	Technical Seminar	BTEE409	2015
5	GD & Soft Skill	BTEE411	2015
6	Materials in Electrical Systems	BTEE506A	2015
7	Switching Theory and Logic Design	BTEE506B	2015
8	Digital Signal Processing	BTEE506C	2015
9	Communication Systems	BTEE506D	2015
10	Digital Signal Processing	BTEE 511	2015
11	Training viva	BTEE 512	2015
12	Power Quality	BTEE606A	2015
13	Power System Reliability	BTEE606B	2015
14	Power System Coordination and Control	BTEE606C	2015
15	Advanced Power Electronics Lab	BTEE608	2015
16	In House Workshop	BTEE611	2015
17	Intelligent and smart instrumentation	BTEE805B	2015
18	PLC and SCADA Systems	BTEE805C	2015
19	Power line Carrier Communication	BTEE805D	2015
20	Artificial Intelligence	BTEE806B	2015
21	Power Plant Instrumentation	BTEE806C	2015
22	Power Distribution System	BTEE806D	2015
23	Seminar	BTEE810	2015

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