

**Department of Electrical Engineering  
Faculty of Engineering & Technology  
Jamia Millia Islamia, New Delhi**

24 November 2014

An Ordinary Meeting of the Board of Studies (BOS) of the Department of Electrical Engineering was held on 24<sup>th</sup> November 2014 at 10:30 am in the committee room of Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi.

The following members were present:

1.	Prof. Majid Jamil	HOD and Chairman of BOS
2.	Prof. Syed Akhtar Hussain	External Member, (JMI)
3.	Prof. Mohd. Sami	External Member, (JMI)
4.	Prof. B. H. Khan	External Member, (AMU, Aligarh)
5.	Prof Abdul Quaiyum Ansari	Member
6.	Prof. Mini S. Thomas	”
7.	Prof. Zaheeruddin	”
8.	Prof. H E Akhter	”
9.	Prof Zainul Abdin Jaffery	”
10.	Prof. Munna Khan	”
11.	Prof. Shahida Khatoon	”
12.	Prof. Anwar Shahzad Siddiqui	Member, Secretary
13.	Prof. Shakeb A Khan	Member
14.	Prof. Tarikul Islam	”
15.	Dr. Manaullah	”
16.	Dr. Shabana Mehfuz	”
17.	Dr. Ikbal Ali	”
18.	Dr. Haroon Ashfaq	”
19.	Mr. Rajveer Singh	”
20.	Dr. Arunesh K. Singh	”
21.	Mr. Ahteshamul Haque	”
22.	Dr. Sheeraz Kirmani	”
23.	Mr. Abrar Ahmad	”

At the start of the meeting, HOD welcomed and thanked all the external and internal members for attending the BOS meeting.

The following agenda items were taken up for discussion:

1. **Confirmation of the Minutes of last BOS meeting held on 8<sup>th</sup> & 9<sup>th</sup> September, 2014:**  
Minutes of the Board of Studies meeting held on 8<sup>th</sup> & 9<sup>th</sup> September, 2014 were confirmed.
2. **Course allotment of B.Tech./M.Tech. Programmes for Even Semester 2015.**  
The course allotment of B. Tech and M. Tech for even semester 2015 was carried out to the satisfaction of all faculty members and approved by the BOS.

3. **Appointment of Seminar Supervisors for M. Tech. II Semester Students**

HOD informed the members that his office is collecting the Seminar Topics from the faculty members. The same would be displayed for M. Tech. II semester students, to choose a topic of their interest and accordingly the supervisors would be allotted to them.

4. **Appointment of Supervisor for waitlisted candidates for admission to PhD programme -2014 :**

On creation of a vacancy, the BOS approved the admission of following candidate to PhD program as per the details given below:

S. No.	Name of the Candidate	Topic of Ph.D. Programme	Name of the Supervisor
1.	Fahad Iqbal (R1420060)	ASSESSMENT AND ENHANCEMENT OF RELIABILITY IN EMERGING POWER SYSTEMS	Prof. Anwar Shahzad Siddiqui

Proposal for admission of foreign student (Essam Nabil Ahmed Abdelaziz, Egypt) to Ph. D. Program under ICCR scholarship -2014 was put forward by the HOD for faculty perusal. Faculty members were asked to study the proposal and contact the HOD, if interested for registering the candidate under them.

5. **Ph.D. Students Progress Report-2014**

HOD informed the BOS members that a total of 79 candidates are registered in the Department of Electrical Engineering for Ph.D. programs. Out of these 19 students were absent from the last semester presentations, progress of 11 students was considered unsatisfactory, 42 candidates gave satisfactory presentations and 6 were recommended for pre-submission presentations.

HOD was suggested to seek the Dean's opinion for the students who failed to give the scheduled presentations about their Ph.D. progress. Supervisors of those students, who were absent in the Ph.D. presentations, were asked to warn them for these lapses and seek the reasons for their absenteeism and furnish same with their remarks to the HOD office.

It was also agreed upon that full-time research scholars, whom progress was found to be unsatisfactory, may be given a second chance after 1 – 2 months for getting a satisfactory remark so that their scholarships are not affected.

A Departmental Research Committee (DRC) meeting was held on Tuesday, 23<sup>rd</sup> September 2014 and the following students were permitted to submit their thesis after pre Ph D presentation and on fulfilling all the requirements framed by the department for Ph.D. submission:

1. Kaukab Naz
2. Tanmay Deb
3. J.N.Rai
4. Lokesh Kumar

5. Koyel Datta Gupta
6. Naqi Anwer

6. **Appointment of B.E. Coordinator-2015**

As per the past practice, next senior most faculty Dr. Manaullah was appointed the B.E. coordinator for academic year 2015.

HOD thanked Prof. Tarikul Islam, outgoing coordinator of BE course, for conducting the program satisfactorily.

7. **Approval of recommendations of B.E. Syllabus revision workshop**

HOD briefed the BOS about the one day workshop to revise BE (Electrical) courses, held on 18<sup>th</sup> October 2014. Dr. Manaullah, coordinator of the workshop, gave a detailed presentation of the decisions taken in the workshop. BOS approved the recommendations of the workshop.

8. **Approval of B.E. Syllabus :**

BOS approved the modifications carried out in the B.E. (Electrical) courses during the workshop to revise BE (Electrical) courses, held on 18<sup>th</sup> October 2014.

9. **Approval of Equipments to be purchased:**

HOD informed that some faculty members submitted the list of equipment to be purchased for various labs. HOD was authorized to process the procurement process. It was suggested that A.Cs for class rooms and labs may be purchased out of B.E savings apart from equipment needed. A list of approved equipments is attached in Appendix 1.

10. **Review of NAAC Preparations :**

HOD briefed the BOS members about the preparations going on in the department for forthcoming NAAC visit. He reminded the faculty members to submit a copy of their respective lab manuals and list of experiments to the HOD office on the priority basis.

11. **National and International Conferences :**

HOD appraised the BOS about the preparations of the National and IEEE International conferences to be held in the Department of Electrical Engineering in 2015.

He informed that about 65 papers are already received for the National Conference on Emerging Trends in Electrical and Electronics Engineering (ITEEE-2015) to be held during February 6 - 7, 2015 and the reviewing process is going on. He also briefed about the funds committed so far by the government agencies for this conference.

Prof. Mini S Thomas, general chair, updated the BOS members about the progress in organizing the 12<sup>th</sup> IEEE India Conference (INDICON 2015) on Energy, Electric Drives, Electronics, Computer, Control, Communication (E<sup>3</sup>- C<sup>3</sup>) to be held during 17-19 December 2015 at Jamia Millia Islamia, New Delhi.

**12. Any other items with the permission of the Chair**

- UGC-BSR Research Fellowship :**  
 Since the UGC-BSR fellowship allotted to the research scholar of Prof. Z. A. Jaffery (Zeeshan Abbasi, 11PHDEE-25) remains unutilized, fresh applications will be called and as per the agreed policy it would be allotted to one of the full-time research scholar of Prof. Z. A. Jaffery.  
 BOS suggested that HOD should write to the UGC about the large number of Ph.D. research scholars registered in the Department of Electrical Engineering and demand for more number of UGC-BSR research fellowships.
- Campus Placements :**  
 HOD informed the BOS members about the present status of campus placements of outgoing B.Tech. Students of the department. A total of 27 students are recruited so far through the campus placement.
- Sessional Test Performances in the department :**  
 HOD expressed his reservations on preventing a student from appearing in the final examination if he fails to get passing marks in sessional tests which carries a weightage of 40% of the total marks allotted for the course. But since it is a policy prevailing in the university, in general, BOS members were of the opinion that HOD may write to the academic committee about his suggestions and no changes should be made at the departmental level.
- Official, full and correct Names of the Supervisors:**  
 Prof. Z A Jaffery pointed out that in all the official documents, full names of the faculty members should be used, to avoid different versions of the same name. BOS members agreed with his observations and approved the following corrections in the names of the supervisors, as desired by them

Roll No.	Name of the Ph. D. Student	Existing Supervisor	Read as full Name
13PHDEE-06	Mohammad Rashid Ansari	Prof A. Q. Ansari	Prof Abdul Quaiyum Ansari
11PHDEE-08	Sapna Katiyar	Prof A. Q. Ansari	Prof Abdul Quaiyum Ansari
12PHDEE-19	Radhakrishna Mahajan	Prof A. Q. Ansari	Prof Abdul Quaiyum Ansari
12PHDEE-06	Mashhood Hasan	Prof A. Q. Ansari	Prof Abdul Quaiyum Ansari
R1440014	Gagandeep Kaur	Prof A. Q. Ansari	Prof Abdul Quaiyum Ansari
10 PHDEE-05	Koyel Datta Gupta	Prof A. Q. Ansari	Prof Abdul Quaiyum Ansari
R1420023	Gyanesh Singh	Prof A. Q. Ansari	Prof Abdul Quaiyum Ansari
12PHDEE-17	Noorul Islam	Prof A. Q. Ansari	Prof Abdul Quaiyum Ansari
R1420007	Irshad	Prof Z. A. Jaffery	Prof Zainul Abdin Jaffery
R1420021	Altaf Alam	Prof Z. A. Jaffery	Prof Zainul Abdin Jaffery
11PHDEE-25	Zeeshan Ahmad Abbasi	Prof Z. A. Jaffery	Prof Zainul Abdin Jaffery
12PHDEE-21	Shaheen Khan	Prof Z. A. Jaffery	Prof Zainul Abdin Jaffery
12PHDEE-15	Mukesh Kumar Verma	Prof Z. A. Jaffery	Prof Zainul Abdin Jaffery
11PHDEE-14	Laxman Singh	Prof Z.A. Jaffery	Prof Zainul Abdin Jaffery
11PHDEE-10	Tanmoy Deb	Prof A. S. Siddiqui	Prof. Anwar Shahzad Siddiqui
13PHDEE-07	Mohd Tauseef Khan	Prof A. S. Siddiqui	Prof. Anwar Shahzad Siddiqui
10 PHDEE-19	Aziz Ahmad	Prof A. S. Siddiqui	Prof. Anwar Shahzad Siddiqui
10 PHDEE-07	Manisha Rani	Prof A. S. Siddiqui	Prof. Anwar Shahzad Siddiqui
11PHDEE-02	Abrar Ahmad	Prof A.S. Siddiqui	Prof. Anwar Shahzad Siddiqui

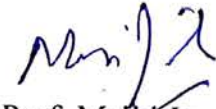
12PHDEE-22	Shahzad Ahsan	Prof A.S. Siddiqui	Prof. Anwar Shahzad Siddiqui
11PHDEE-24	Naqui Anwer	Prof A.S. Siddiqui	Prof. Anwar Shahzad Siddiqui
12PHDEE-08	Md Sarwar	Prof A.S.Siddiqui	Prof. Anwar Shahzad Siddiqui

- **Mandatory requirements of 75% attendance for a student to write examination:**

HOD suggested that in order to encourage our students for innovative/co-curriculum activities, a provision of 15% attendance for these activities within the mandatory requirement of 75% attendance may be made. He further suggested that some students have volunteered themselves to train/teach their juniors in soft-skills such as Effective Communication/ Computer Programming etc. and a scheduled/monitored organization of it will help all. But BOS members cautioned him that 75% mandatory attendance is a part of ordinance and cannot be used for any other activity, as such.

BOS members congratulated Prof. Mini S Thomas for her forthcoming book 'Power System SCADA and Smart Grids, CRC Publications.

Meeting ended with a vote of thanks to the Chair



Prof. Majid Jamil  
Head and Chairman of BOS

**Department of Electrical Engineering**  
**Faculty of Engineering & Technology**  
**Jamia Millia Islamia, New Delhi**

25 March 2017

An Ordinary Meeting of the Board of Studies (BOS) of the Department of Electrical Engineering was held on 16<sup>th</sup> March 2017 at 02:30 pm in the committee room of Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi. The following members were present:

1. Prof. Majid Jamil	HOD and Chairman of BOS
2. Prof. A. Q. Ansari	Member
3. Prof. Zaheeruddin	”
4. Prof. H E Akhter	”
5. Prof. Z A Jaffery	”
6. Prof. Munna Khan	”
7. Prof. Shahida Khatoon	”
8. Prof. Anwar Shahzad Siddiqui	Member, Secretary
9. Prof. Tarikul Islam	”
10. Prof. Manauliah	”
11. Prof. Shabana Mehruz	”
12. Prof. Naimul Hasan	”
13. Dr. Iqbal Ali	”
14. Dr. Haroon Ashfaq	”
15. Dr. Rajveer Singh	”
16. Dr. Ahteshamul Haque	”
17. Dr. Sheeraz Kirmani	”
18. Dr. Abrar Ahmad	”

In the beginning HOD welcomed all members and congratulated Prof. Munna Khan and Dr. Ahteshamul Haque for organizing successful GIAN courses in the Department of Electrical Engineering.

Prof. Zaheeruddin on behalf of the BOS members congratulated HOD, Prof. Majid Jamil for organizing successfully important ‘Curriculum Revision Workshop’ in the department.

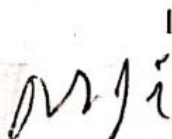
HOD also informed the BOS members about the following events held in the department:

- Prof. K U Ahmed memorial lecture.
- Educational Tour: B. Tech IV Year
- Industry Visit: B. Tech III Year (NRLD Centre, Katwaria Sarai)
- Industry Visit: B. Tech. II Year (ABB, Faridabad)

HOD, Prof. Majid Jamil thanked Dr. Rajveer Singh for coordinating these industry visits.

The following agenda items were taken up for discussion:

1. Confirmation of the Minutes of last BOS meeting held on January 25, 2017:  
Minutes of the Board of Studies meeting held on January 25, 2017 were confirmed.

1  


- Appointment of Lab./Seminar Examiners for M. Tech. (CIS/EPSM)  
BoS approved the appointment of Lab. Seminar examiners of M. Tech. (CIS/EPSM) Even Semester-2017. List of Examiners in mentioned in **Annexure IV**.

(Not for circulation)

- Appointment of B. Tech Major Project Examiners
- BoS approved the appointment of Project examiners of B. Tech. (Electrical Engineering) Even Semester-2017. List of Examiners in mentioned in **Annexure V**.

(Not for circulation)

- Appointment of M. Tech Dissertation Examiners  
BoS approved the appointment of Dissertation examiners of M. Tech. (CIS/EPSM) Even Semester-2017. List of Examiners in mentioned in **Annexure VI**.

(Not for circulation)

- Appointment of Ph. D. Annotated Bibliography Examiners  
BoS approved the appointment of Ph. D. Annotated Bibliography examiners of Ph. D. (Electrical Engineering) Even Semester-2017. List of Examiners in mentioned in **Annexure VII**.

(Not for circulation)

*It was proposed to conduct the Ph. D. Annotated Bibliography examinations with internal faculty members acting as examiners in line with practices in other departments.*

### **3. Approval of B. Tech/M. Tech revised Course Structure and syllabi under CBCS:**

BOS approved the B. Tech/M. Tech revised Course Structure and syllabi under CBCS, as decided in departmental meetings.

(Annexure VIII).

Following changes were made in the BOS meeting in the course structure:

1. A 'Power System Lab' to be included in the 8<sup>th</sup> semester of B. Tech. (Electrical Engineering).
2. Courses 'Switchgear and Protection' and 'Control Systems' would swap their positions in the course structure so that 'Switchgear and Protection' would be taught in 5<sup>th</sup> Semester whereas 'Control Systems' would be taught in 6<sup>th</sup> semester.

### **i. Approval of Prof. K U Ahmad Memorial lecture as an annual feature**

HOD proposed 'Prof. K U Ahmed memorial lecture' be made an annual feature of the department. BOS approved and suggested the HOD to write a letter to the Academic Council for its approval of the same.

### **i. Ph. D students' progress report**

HOD asked the faculty members to inform their respective Ph.D. students to submit the progress reports by 15<sup>th</sup> April 2017, to the HOD office.

MJ-13

6. Any other items with the permission of the Chair :

• **Invigilation Duties in the Examinations of private students:**

HOD informed the BOS about the letter from Controller Examination office asking for the names of the faculty members for Invigilation Duties in the Examinations of private students latest by 31<sup>st</sup> March 2017. Faculty members suggested to the HOD to inform to the controller of examinations about the engagements of faculty members in teachings in the Department till 5<sup>th</sup> May 2017.

- Prof. A. Q. Ansari suggested that BOS may appoint Prof. Pragati Kumar, DTU as BOS external member in place of Dr. Fazle Azim, AMU (who has gone abroad and not available for BOS meetings). BOS approved the same.

• **Ph. D. Admission :**

The name of supervisor of Mr. Rajeev Kumar, a Ph. D Student is mistakenly was sent as **Dr. Raveer Singh** which is to be corrected as **Dr. Rajveer Singh**. The same was approved by the BOS

Title of PhD program of PhD research scholar Huma Khan was modified as follows:

**New Title:** Intelligent Controller Design for UGV  
**Old Title :** Intelligent Controller Design for UAV/UGV

• **Request from Prof. Anwar Shahzad Siddiqui for relieving as Member Secretary of BOS**

HOD informed the BOS about the request from Prof. Anwar Shahzad Siddiqui for relieving as Member Secretary of BOS. BOS approved the same. HOD, Prof. Majid Jamil thanked Prof. Siddiqui for his long association of 9 years as Member Secretary of BOS.

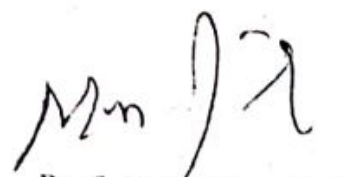
• **Registrar's letter about Citations, h-index, and i-index:**

HOD informed the BOS about the letter from Registrar Office about Citations, h-index, and i-index and asked the faculty members to keep their records updated.

• **Feedback about teaching and sessional tests :**

HOD informed the BOS about the feedback for teaching and Sessional tests and suggested all efforts be made for further improvements in the same

Meeting ended with a vote of thanks to the Chair.



Prof. Majid Jamil  
Head and Chairman of BOS



DEPARTMENT OF ELECTRICAL ENGINEERING  
FACULTY OF ENGINEERING AND TECHNOLOGY  
JAMIA MILLIA ISLAMIA

**B. TECH. ELECTRICAL ENGINEERING COURSE STRUCTURE  
UNDER THE CHOICE BASE CREDIT SYSTEM (CBCS)**

Effective from -----

**Abbreviation**

<b>BS</b>	Basic Science	<b>L</b>	Lecture
<b>ES</b>	Engineering Science	<b>T</b>	Tutorial
<b>CBCS</b>	Choice Based Credit System	<b>P</b>	Practical
<b>DC</b>	Departmental core	<b>CCA</b>	Continuous Class Assessment
<b>DE</b>	Departmental electives	<b>MSE</b>	Mid Semester Evaluation
		<b>ESE</b>	End Semester Evaluation

**B. TECH. ELECTRICAL ENGINEERING –II YEAR**

**Third Semester**

S. No	Course No.	Course Name	Type	Credit	Periods Per week			Examination Scheme (Distribution of Marks)			
					L	T	P	CCA	MSE	ESE	Total
1.	EE-301	Transformer and Induction Machine	DC	3	2	1	-	8	22	45	75
2.	EE-302	Network Analysis	DC	3	2	1	-	8	22	45	75
3.	EE-303	Analog Electronics	ES	3	2	1	-	8	22	45	75
4.	EE-304	Signals and System	ES	3	2	1	-	8	22	45	75
5.	EE-305	Electromagnetic Field Theory	CBCS	4	3	1	-	10	30	60	100
6.	BS-301	Engineering Mathematics- III	BS	3	2	1	-	8	22	45	75

**PRACTICAL (LAB.)**

7.	EE-331	Transformer and Induction Machine Lab.	DC	1	-	-	2	15	-	10	25
8.	EE-332	Network Analysis Lab.	DC	1	-	-	2	15	-	10	25
9.	EE-333	Analog Electronics Lab.	ES	1	-	-	2	15	-	10	25
<b>Total</b>				<b>22</b>	<b>13</b>	<b>6</b>	<b>6</b>	<b>Total</b>			<b>550</b>

**Fourth Semester**

1.	EE-401	DC and Synchronous Machine	DC	3	2	1	-	8	22	45	75
2.	EE-402	Digital Electronics	ES	3	2	1	-	8	22	45	75
3.	EE-403	Fundamentals of Power Systems	DC	3	2	1	-	8	22	45	75
4.	EE-404	Programming Languages	ES	3	2	1	-	8	22	45	75
5.	EE-405	Computer Architecture	CBCS	4	3	1	-	10	30	60	100
6.	BS-401	Engineering Mathematics-IV	BS	3	2	1	-	8	22	45	75

**PRACTICAL (LAB./SEMINAR)**

7.	EE-431	DC and Synchronous Machine Lab.	DC	1	-	-	2	15	-	10	25
8.	EE-432	Digital Electronics Lab.	ES	1	-	-	2	15	-	10	25
9.	EE-434	Programming Languages Lab	ES	1	-	-	2	15	-	10	25
<b>Total</b>				<b>22</b>	<b>13</b>	<b>5</b>	<b>8</b>	<b>Total</b>			<b>550</b>

Refer ordinance 15-C (XV-C) clause 3(2).

- The Mid Semester Evaluation shall have a weightage of 40% while the remaining 60% weightage will be for End Semester Examination.
  - (i) 30% for two mid semester tests, both of equal weightage;
  - (ii) 10% for other modes of sessional evaluation (to be specified by the Faculty Committee and notified before the commencement of teaching of each course).
- There will be no Mid Semester practical tests. In a practical course/ project/ seminar/ industrial training/ field work, the End Semester Examination shall have a weightage of 40% while the performance of the student as evaluated by the teacher concerned during the semester (i.e. Mid Semester Evaluation) shall have a weightage of 60%.

DEPARTMENT OF ELECTRICAL ENGINEERING  
FACULTY OF ENGINEERING AND TECHNOLOGY  
JAMIA MILLIA ISLAMIA

**B. TECH. ELECTRICAL ENGINEERING COURSE STRUCTURE  
UNDER THE CHOICE BASE CREDIT SYSTEM (CBCS)**

Effective from -----

**Abbreviation**

<b>BS</b>	Basic Science	<b>L</b>	Lecture
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<b>DC</b>	Departmental core	<b>CCA</b>	Continuous Class Assessment
<b>DE</b>	Departmental electives	<b>MSE</b>	Mid Semester Evaluation
		<b>ESE</b>	End Semester Evaluation

**B. TECH. ELECTRICAL ENGINEERING –III YEAR**

Fifth Semester													
S. No	Course No.	Course Name	Type	Credit	Periods Per week			Examination Scheme (Distribution of Marks)					
					L	T	P	CCA	MSE	ESE	Total		
1.	EE-501	Switchgear and Protection	DC	3	2	1	-	8	22	45	75		
2.	EE-502	Power Electronics	DC	3	2	1	-	8	22	45	75		
3.	EE-503	Communication Systems	ES	3	3	1	-	10	30	60	75		
4.	EE-504	Electrical Measurement	DC	3	2	1	-	8	22	45	75		
5.	EE-505	Power Systems Analysis	DC	3	2	1	-	8	22	45	75		
6.	EE-506	Electrical Power Generation	CBCS	4	2	1	-	8	22	45	100		
<b>PRACTICAL (LAB.)</b>													
7.	EE-531	Switchgear and Protection Lab	DC	1	-	-	2	15	-	10	25		
8.	EE-532	Power Electronics Lab	DC	1	-	-	2	15	-	10	25		
9.	EE-533	Communication Systems Lab	ES	1	-	-	2	15	-	10	25		
				<b>Total</b>	<b>22</b>	<b>13</b>	<b>6</b>	<b>6</b>				<b>Total</b>	<b>550</b>
Sixth Semester													
1.	EE-601	Control Systems	DC	3	2	1	-	8	22	45	75		
2.	EE-602	Electrical and Electronics Instrumentation	DC	3	2	1	-	8	22	45	75		
3.	EE-603	Microprocessor and its Applications	ES	3	2	1	-	8	22	45	75		
4.	EE-604	Electric Drives	DC	3	2	1	-	8	22	45	75		
5.	BS-601	Engineering Mathematics-V	BS	2	2	-	-	5	15	30	50		
6.	-	Elective I	CBCS	4	3	1	-	10	30	69	100		
<b>Elective-I</b> EE-607 Digital Communication/EE-608 Programmable logic controller/EE-609 Data Structure													
<b>PRACTICAL (LAB./SEMINAR)</b>													
7.	EE-631	Control Systems Lab	DC	1	-	-	2	15	-	10	25		
8.	EE-632	Electrical Measurement Lab	DC	1	-	-	2	15	-	10	25		
9.	EE-633	Microprocessor Lab	ES	1	-	-	2	15	-	10	25		
10.	EE-640	Seminar	DC	1	-	-	2	15	-	10	25		
				<b>Total</b>	<b>22</b>	<b>13</b>	<b>5</b>	<b>8</b>				<b>Total</b>	<b>550</b>

DEPARTMENT OF ELECTRICAL ENGINEERING  
FACULTY OF ENGINEERING AND TECHNOLOGY  
JAMIA MILLIA ISLAMIA

**B. TECH. ELECTRICAL ENGINEERING COURSE STRUCTURE  
UNDER THE CHOICE BASE CREDIT SYSTEM (CBCS)**

Effective from -----

**Abbreviation**

<b>BS</b>	Basic Science	<b>L</b>	Lecture
<b>ES</b>	Engineering Science	<b>T</b>	Tutorial
<b>CBCS</b>	Choice Based Credit System	<b>P</b>	Practical
<b>DC</b>	Departmental core	<b>CCA</b>	Continuous Class Assessment
<b>DE</b>	Departmental electives	<b>MSE</b>	Mid Semester Evaluation
		<b>ESE</b>	End Semester Evaluation

**B. TECH. ELECTRICAL ENGINEERING –IV YEAR**

**Seventh Semester**

S. No	Course No.	Course Name	Type	Credit	Periods Per week			Examination Scheme (Distribution of Marks)					
					L	T	P	CCA	MSE	ESE	Total		
1.	EE-701	Advanced Control System	DC	3	2	1	-	8	22	45	75		
2.	EE-702	SCADA and Smart Grid Technologies	DC	3	2	1	-	8	22	45	75		
3.	EE-703	Renewable and Sustainable Energy Systems	DC	3	2	1	-	8	22	45	75		
4.	-	Elective-II	DE	3	2	1	-	8	22	45	75		
5.	EE-705	Soft Computing	CBCS	4	3	1	-	10	30	60	100		
<b>Elective-II:</b>		EE-706 Digital Signal Processing / EE-707 High Voltage Engineering / EE-708 Special Electrical Machines / EE-709 Embedded Systems											
<b>PRACTICAL (LAB./MINOR PROJECT)</b>													
6.	EE-732	SCADA and Smart Grid Technologies Lab	DC	1	-	-	2	15	-	10	25		
7.	EE-740	Industrial Training	DC	1	-	-	2	15	-	10	25		
8.	EE-750	Minor Project	DC	4	-	-	8	60	-	40	100		
<b>Total</b>				<b>22</b>	<b>11</b>	<b>5</b>	<b>12</b>					<b>Total</b>	<b>550</b>

**Eighth Semester**

1.	EE-801	Engineering Economics and Industrial Management	CBCS	4	3	1	-	10	30	60	100		
2.	EE-802	Power System Operation and Control	DC	3	2	1	-	8	22	45	75		
3.	-	Elective-III	DE	3	2	1	-	8	22	45	75		
4.	-	Elective-IV	DE	3	2	1	-	8	22	45	75		
<b>Elective-III:</b>		EE-803 Process Control / EE-804 Electrical Machine Design / EE-805 Advanced Protective Relays / EE-806 Utilization of Electrical Energy/ EE-812 Selected Topics in Power Electronics											
<b>Elective-IV:</b>		EE-807 Data Communications and Computer Networks, EE-808 Advanced Microprocessors/EE-809- Micro Controllers and applications/ EE-810 HVDC Transmission/ EE-811 Bio Medical Instrumentation											
<b>PRACTICAL (LAB./MAJOR PROJECT)</b>													
5.	EE-831	Power System Lab	DC	1	-	-	1	15	-	10	25		
6.	EE-850	Major Project	DC	8	-	-	16	120	-	80	200		
<b>Total</b>				<b>22</b>	<b>9</b>	<b>4</b>	<b>17</b>					<b>Total</b>	<b>550</b>

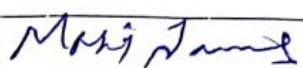

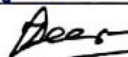



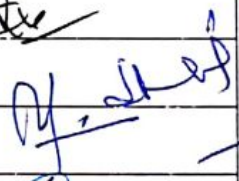



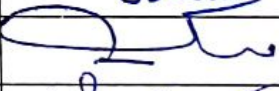
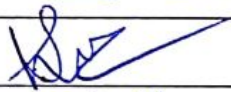

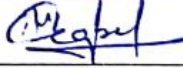




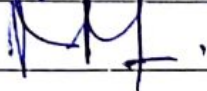
\* During last summer vacation (Minimum 4 weeks)

Total	Semesters								Total Credit
	I	II	III	IV	V	VI	VII	VIII	
	26	26	22	22	22	22	22	22	184

**DEPARTMENT OF ELECTRICAL ENGINEERING**  
**Faculty of Engineering & Technology**  
**Jamia Millia Islamia**

Date: March 16, 2017

Subject: Attendance Board of Studies Meeting held on 16/03/ 2017

S. NO.	NAME OF TEACHER	DESIGNATION	SIGNATURE
1.	Prof. Majid Jamil	Chairman & Head	
2.	Prof. Sukumar Mishra IIT, Delhi	External Member	
3.	Prof. Mohd. Fazle Azeem AMU	External Member	
4.	Prof. Sushant G. Ghose	Internal Nominated Member	
5.	Prof. M. Ejaz Hussain	Internal Nominated Member	
6.	Prof. Abdul Quaiyum Ansari	Member	
7.	Prof. Zaheeruddin	Member	
8.	Prof. Hamid Ehsan Akhter	Member	
9.	Prof. Zainul Abidin Jaffery	Member	
10.	Prof. Munna Khan	Member	
11.	Prof. Shahida Khatoon	Member	
12.	Prof. Anwar Shahzad Siddiqui	Member	
13.	Prof. Shakeb Ahmad Khan	Member	
14.	Prof. Tarikul Islam	Member	
15.	Prof. Manullah	Member	
16.	Prof. Shabana Mehfuz	Member	
17.	Prof. Naimul Hasan	Member	
18.	Dr. Iqbal Ali	Member	
19.	Dr. Haroon Ashfaq	Member	
20.	Dr. Rajveer Singh	Member	
21.	Dr. Ahteshamul Haq	Member	
22.	Dr. Sheeraz Kirmani	Member	
23.	Dr. Abrar Ahmad	Member	
24.			
25.			
26.			