

**MINUTES OF 11<sup>th</sup> MEETING  
OF  
BOARD OF STUDIES (BOS)**

**DEPARTMENT OF ELECTRONICS &  
COMMUNICATION ENGINEERING  
(INSTITUTE OF ENGINEERING &  
TECHNOLOGY)**



**JULY 14, 2018**



20-07-2018

## Department of Electronics & Communication Engineering

### Minutes of the meeting of the Board of Studies

The meeting of the Board of Studies of Department of Electronics & Communication Engineering was held on July 14, 2018 at 10:00 AM in the office of Head, Deptt. of Electronics & Communication Engineering. Following members attended the meeting.

a) Members of the Department:

Prof. V. K. Deolia  
Prof. Atul Bansal  
Mr. Abhay Chaturvedi  
Dr. Aasheesh Shukla  
Dr. Vinay Kumar Tomar  
Dr. Manish Gupta  
Mr. Paresh Chandra Sau  
Ms. Sweta  
Ms. Divya Singh  
Mr. Jitendra Kumar  
Prof. K. P. S. Rana  
Mr. E. Sunil Kumar (Through Skype)  
Prof. Ashish Sharma

b) External Experts :

c) Member from other Department:

**Agenda Item-11.1:** To confirm the minutes of the 10<sup>th</sup> Board of Studies meeting Studies held on August 05, 2017

The minutes of the meeting of 10<sup>th</sup> BoS held on August 05, 2017 were implemented.

**Agenda Item-11.2:** To report the action taken on the minutes of 10th meeting of Board of Studies held on August 05, 2017

Approved by Academic Council and implemented. No action pending.

**Agenda Item-11.3:** Based on the feedback received from students, faculty, employers & alumni the revision/ upgradation/ modification in syllabus of existing courses in various programmes is proposed as follows:



Programme	No. of courses under consideration for revision	Name of courses under consideration for revision
B.Tech. (Electronics & Communication Engineering)	2	<ul style="list-style-type: none"> <li>• Antenna and Wave Propagation,</li> <li>• Digital System Design using VHDL</li> </ul>

Members considered and approved the same.

(Annexure I)

**Agenda Item-11.4:** Course structure and syllabus of M.Tech. Electronics and Communication Engineering (ECE) based on choice based credit system (CBCS) for the batch admitted in session 2018-19 were discussed & approved.

(Annexure-II)

**Agenda Item-11.5:** Based on the feedback of various stake holders (faculty, alumni, corporate and students) department presented details of new courses to be introduced. After through discussion board approves the same.

(Annexure-III)

**Agenda Item-11.6:** List of open electives and their syllabus were discussed and approved

(Annexure-IV)

**Agenda Item-11.7.** To consider & approve the list of courses having focuses on Employability/Entrepreneurship/Skill Development.

The members considered and approved the list of courses having focuses on Employability/Entrepreneurship/Skill Development in relevant programme.

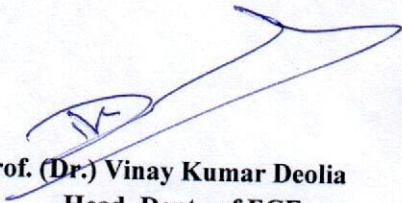
(Annexure-V)

**Agenda Item-11.8.** To consider and approve courses recommended by Training & Development Department for B. Tech. (Electronics & Communication Engineering )

Training & Development Department of the University recommended to get the syllabi of few courses approved in the Board of Studies Meeting of the department. Same was presented in front of the board. After due discussions, the board approved the same whose details are as follows:



Year & Semester	Code & Title of the Course
II Year, III Sem	BTDH 0301: Soft Skills - I
II Year, IV Sem	BTDH 0302: Soft Skills - II

  
**Prof. (Dr.) Vinay Kumar Deolia**  
**Head, Dept. of ECE**  
**Head of Department**  
 Electronics & Communication Engg.  
 GLA University, Mathura

**Enclosures.:** As above

**CC :** PS to Vice-Chancellor for his kind information  
 Pro-Vice Chancellor  
 Dean, Academics Affairs  
 Director, IET  
 Director, IAH  
 Controller of Examination  
 Registrar  
 All members of the Board of Studies



# Annexure : V



**Department of Electronics & Communication Engineering**  
**List of courses having focus on employability/ entrepreneurship/ skill development**  
**offered by the Department**

**Session : 2018-19**

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Engineering Mathematics-I	Employability
2	Engineering Physics	Employability
3	Engineering Physics Lab	Employability
4	Engineering Mathematics-II	Employability
5	Engineering Chemistry	Employability
6	Engineering Chemistry Lab	Skills development
7	Basic Mechanical Engineering	Employability
8	English Language Skills for Communication – I	Skills development
9	Electronics Engineering	Employability
10	Electronics Lab-I	Skills development
11	Electronics Simulation Lab	Skills development
12	Engineering Workshop Practice Lab	Skills development
13	Engineering Drawing	Employability
14	Computer Programming	Employability
15	English Language Lab I	Skills development
16	Basic Electrical Engineering	Employability
17	English Language Skills for Communication-II	Skills development
18	Electrical Engineering Lab	Skills development
19	Computer Programming Lab	Employability and Skills Development
20	English Language Lab – II	Skills development
21	Digital Electronics	Employability
22	Digital Electronics Lab	Employability
23	Engineering Mathematics-III	Employability
24	Network Analysis and Synthesis	Employability
25	Electromagnetic Field Theory	Employability
26	Solid State Devices and Circuits	Employability
27	Signals and Systems	Employability
28	Microprocessors and Applications	Employability
29	Microprocessors Lab	Employability and Skills Development
30	Analog Integrated Circuits	Employability
31	Electronics Lab-II	Employability and Skills Development
32	Control Systems	Employability
33	Control Systems Lab	Employability
34	Communication Engineering	Employability
35	Communication Engineering Lab	Employability and Skills Development
36	Digital Communication	Employability
37	Digital Communication Lab	Employability and Skills Development
38	Digital Signal Processing	Employability
39	Digital Signal Processing Lab	Employability and Skills Development
40	VLSI Design	Employability
41	CAD of Electronics Lab	Employability and Skills Development
42	Random Variables and Stochastic Processes	Employability
43	Antenna & Wave Propagation	Employability
44	Soft Skills-I	Skills development
45	English for Professional Purposes-I	Skills development



# Department of Electronics & Communication Engineering

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department


Session : 2018-19

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
46	Data Structures and Applications	Employability
47	Data Structures and Applications lab	Employability and Skills Development
48	Soft Skills-II	Skills development
49	English for Professional Purposes-II	Skills development
50	Mini Project-I	Employability and Skills Development
51	Communication Engineering	Employability
52	Analog Integrated Circuits	Employability
53	Control System	Employability
54	Antenna and Wave Propagation	Employability
55	Introduction to Object Oriented Programming	Employability
56	Soft Skills III	Skills development
57	Communication Lab	Employability and Skills Development
58	Integrated Circuit Lab	Employability and Skills Development
59	Control System Lab	Employability and Skills Development
60	Object Oriented Programming Lab	Employability and Skills Development
61	Digital Communication	Employability
62	VLSI Design	Employability
63	Microwave Engineering	Employability
64	Data Network	Employability
65	Essentials of Information Technology	Employability
66	Soft Skills IV	Skills development
67	Digital Communication Lab	Employability and Skills Development
68	CAD of Electronics Lab	Employability and Skills Development
69	Information Technology Lab	Employability and Skills Development
70	Industrial Management	entrepreneurship skill
71	Digital Signal Processing	Employability
72	Wireless Communication	Employability
73	Digital Signal Processing Lab	Employability and Skills Development
74	Project-I	Employability and Skills Development
75	Industrial Training	Skills development
76	Optical Communication and Networks	Employability
77	Microwave and Optical Communication Lab	Employability and Skills Development
78	Project-II	Employability and Skills Development
79	High Speed Semiconductor Devices	Employability
80	Embedded Systems	Employability
81	Digital Image Processing	Employability
82	Artificial Neural Network	Employability
83	Satellite Communication	Employability
84	Telecommunication Switching	Employability
85	Digital System Design using VHDL	Employability
86	Introduction to Electric Drives	Employability
87	Information Theory and Coding	Employability
88	Spread Spectrum System	Employability
89	VLSI Testing and Testability	Employability
90	Digital Control System	Employability



**Department of Electronics & Communication Engineering**  
**List of courses having focus on employability/ entrepreneurship/ skill development**  
**offered by the Department**  
**Session : 2018-19**

S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
91	Multi Carrier Communication	Employability
92	Integrated Circuit Technology	Employability
93	RF Integrated Circuits	Employability
94	Soft Computing	Employability
95	Non-Conventional Energy Resources	Employability
96	Entrepreneurship	entrepreneurship skill
97	Adaptive Signal Processing	Employability
98	Communication Techniques	Employability
99	CMOS Analog IC Design	Employability
100	Digital Hardware Design	Employability
101	Image Processing	Employability
102	Signal Processing Lab	Employability and Skills Development
103	Communication Lab	Employability and Skills Development
104	Low Power VLSI Design	Employability
105	Intelligent Systems and Control	Employability
106	RF and Microwave Techniques	Employability
107	HDL Programming Lab	Employability and Skills Development
108	RF and Microwave Design Lab	Employability and Skills Development
109	Minor Project	Employability and Skills Development
110	Information Theory and Coding	Employability
111	Seminar	Skills development
112	Embedded Systems	Employability
113	Information Theory and Coding	Employability
114	Application Specific Integrated Circuits	Employability
115	Optimal Control System	Employability
116	Satellite Communication	Employability
117	Advanced Data Network	Employability
118	Speech Processing	Employability
119	CMOS RF Integrated Circuits	Employability
120	Optoelectronic Devices	Employability
121	VLSI Testing and Testability	Employability
122	Biomedical Signal Processing	Employability
123	Wireless Communication and Networks	Employability
124	Dissertation-I	Employability and Skills Development
125	Dissertation- II	Employability and Skills Development
126	CAD for VLSI Circuits	Employability
127	Research Methodolgy	Employability

  
**Head of Department**  
 Electronics & Communication Engg.  
 GLA University, Mathura