

**MINUTES OF 12th MEETING
OF
BOARD OF STUDIES (BOS)**

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



MAY 11, 2019

15-05-2019

Department of Electronics & Communication Engineering

Minutes of the meeting of the Board of Studies

The 12th meeting of the Board of Studies of Department of Electronics & Communication Engineering was held on May 11, 2019 at 10:00 AM in the Departmental Library of Electronics & Communication Engineering. Following members attended the meeting.

a) Members of the Department:

Prof. V. K. Deolia
Dr. Vishal Goyal
Mr. Abhay Chaturvedi
Dr. Aasheesh Shukla
Dr. Vinay Kumar Tomar
Mr. Anjan Kumar
Dr. Manish Gupta
Mr. Paresh Chandra Sau
Mr. P. Bachan
Mr. Manish Kumar
Mr. Devendra Kumar
Mr. Shelesh Krishna Saraswat
Mr. Divesh Kumar
Ms. Sweta
Mr. Dheeraj Kalra
Ms. Alka Agrawal
Ms. Divya Singh
Ms. Neetu Agrawal
Mr. Deepak Mittal

b) External Experts :

Prof. Nishchal K. Verma
Mr. Devi Sharan Saini
Mr. Manish Bhakuni

Agenda Item-12.1: To confirm the minutes of the 11th Board of Studies meeting Studies held on July 14, 2018

The minutes of the meeting of 11th BoS held on July 14, 2018 were implemented and enclosed as annexure I.

Agenda Item-12.2: To report the action taken on the minutes of 11th meeting of Board of Studies held on July 14, 2018.

Approved by Academic Council and implemented. No action pending.



Agenda Item-12.3: 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)	5	<p>Modifications in the syllabus of following subjects were discussed and approved</p> <ul style="list-style-type: none"> • Electromagnetic Field Theory, • Solid State Devices & Circuits, • Random Variables & Stochastic Processes, • Control System, • Signals and Systems

Members considered and approved the same.

(Annexure-I)

Agenda Item-12.4: 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-II)

Agenda Item-12.5. 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.

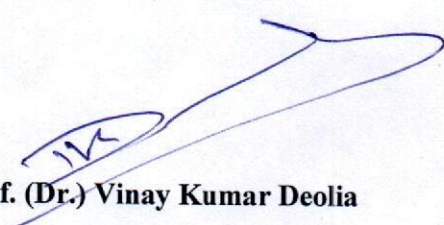
(Annexure-III)

Agenda Item-12.6. 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
III Year, V Sem	BTDH 0303, Soft Skills - III
III Year, VISEM	BTDH 0304, Soft Skills - IV

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


Prof. (Dr.) Vinay Kumar Deolia

Head, ECE & Chairman, BOS

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

Enclosures: As above

CC : PA to Chancellor for kind information of the Chancellor
PA to Vice Chancellor for kind information of the Vice- Chancellor
PA to Pro-Vice Chancellor for kind information of the Pro-Vice Chancellor
Registrar
Dean Academics
Controller of Examination
All Members of the Board of Studies

Annexure : III

Department of Electronics & Communication Engineering
List of courses having focus on employability/ entrepreneurship/ skill development
offered by the Department
Session : 2019-20

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 Lab	Skills development
14	English Language Lab I	Skills development
15	Computer Programming	Employability
16	Basic Electrical Engineering	Employability
17	English Language Skills for Communication-II	Skills development
18	Electrical Engineering Lab	Employability and Skills Development
19	Digital Electronics	Employability
20	Computer Programming Lab	Employability and Skills Development
21	English Language Lab – II	Skills development
22	Digital Electronics Lab	Employability and Skills Development
23	Network Analysis and Synthesis	Employability
24	Electromagnetic Field Theory	Employability
25	Solid State Devices and Circuits	Employability
26	Signals and Systems	Employability
27	Microprocessors and Applications	Employability
28	Microprocessors Lab	Employability and Skills Development
29	Analog Integrated Circuits	Employability
30	Electronics Lab-II	Employability and Skills Development
31	Control Systems	Employability
32	Control Systems Lab	Employability
33	Communication Engineering	Employability
34	Communication Engineering Lab	Employability and Skills Development
35	Digital Communication	Employability
36	Digital Communication Lab	Employability and Skills Development
37	Digital Signal Processing	Employability
38	Digital Signal Processing Lab	Employability and Skills Development
39	VLSI Design	Employability
40	CAD of Electronics Lab	Employability and Skills Development
41	Random Variables and Stochastic Processes	Employability
42	Antenna & Wave Propagation	Employability
43	Simulation Lab-II	Skills development
44	Data Communication and Networks	Employability
45	Microwave Engineering	Employability
46	Microwave Lab	Employability
47	Optical Communication	Employability
48	Optical communication Lab	Employability

Department of Electronics & Communication Engineering
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S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
49	Wireless Communication	Employability
50	Information Theory & Coding	Employability
51	Multicarrier Communication	Employability
52	Multicarrier Communication Lab	Employability and Skills Development
53	Multicarrier Communication Projects	Employability and Skills Development
54	Spread Spectrum System	Employability
55	Satellite Communication	Employability
56	Long Term Evolution	Employability
57	Fundamentals of Digital Image Processing	Employability
58	Digital Image Processing	Employability
59	Digital Image Processing Lab	Employability and Skills Development
60	Digital Image Processing Project	Employability and Skills Development
61	Bio-Medical Image Processing	Employability
62	Analog Signal Processing	Employability
63	Adaptive Signal Processing	Employability
64	Bio-Medical Signal Processing	Employability
65	Bio-Medical Signal Processing Lab	Employability and Skills Development
66	Speech Processing	Employability
67	Speech Processing Lab	Employability and Skills Development
68	Fundamentals of HDL Programming	Employability
69	Digital System Design using HDL	Employability
70	Digital System Design using HDL LAB	Employability and Skills Development
71	Digital System Design using HDL PROJECT	Employability and Skills Development
72	Analog VLSI Design	Employability
73	VLSI Testing And Testability	Employability
74	Integrated Circuit Technology	Employability
75	Fundamentals of Low-Power VLSI Circuits and Systems	Employability
76	Low-Power VLSI Circuits and Systems	Employability
77	Low-Power VLSI Circuits and Systems Lab	Employability and Skills Development
78	Low-Power VLSI Circuits and Systems Project	Employability and Skills Development
79	Fundamentals of RF Integrated Circuits	Employability
80	RF Integrated Circuits	Employability
81	RF Integrated Circuits Lab	Employability and Skills Development
82	RF Integrated Circuits Project	Employability and Skills Development
83	Micro and Nano devices	Employability
84	Electronic Instruments and Measurements	Employability
85	Microcontrollers and Embedded Systems	Employability
86	Embedded Systems Design	Employability
87	Embedded Systems Lab	Employability and Skills Development
88	Embedded Systems Project	Employability and Skills Development
89	Intelligent System	Employability
90	Industrial Process Control	Employability
91	Industrial Process Control Lab	Employability and Skills Development
92	Industrial Process Control Project	Employability and Skills Development
93	Digital Control System	Employability
94	Modern control system	Employability
95	Industrial Automation	Employability

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S.No.	Name of the Course	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
96	PLC Automation Lab	Employability
97	Adaptive Control	Employability
98	Mini Project-I	Employability and Skills Development
99	Mini Project-II	Employability and Skills Development
100	Mini Project-III	Employability and Skills Development
101	Industrial Training	Skills development
102	English for Professional Purpose- I	Skills development
103	English for Professional Purpose- II	Skills development
104	Industrial & Management	Entrepreneurship
105	Soft Skills-I	Skills development
106	Soft Skills-II	Skills development
107	Soft Skills-III	Skills development
108	Soft Skills-IV	Skills development
109	Introduction to Object Oriented Programming	Employability
110	Introduction to Object Oriented Programming Lab	Employability and Skills Development
111	Essentials of Information Technology	Employability
112	Industrial Management	Skills development
113	Information Technology Lab	Employability and Skills Development
114	Mechatronics	Employability
115	Introduction to Internet of Things	Employability
116	IOT Communication & Standard Interface	Employability
117	Industrial Management	Employability
118	Digital Signal Processing	Employability
119	Wireless Communication	Employability
120	Digital Signal Processing Lab	Employability and Skills Development
121	Project-I	Employability and Skills Development
122	Industrial Training	Skills development
123	Optical Communication and Networks	Employability
124	Microwave and Optical Communication Lab	Employability and Skills Development
125	Project-II	Employability
126	Artificial Neural Network	Employability
127	Satellite Communication	Employability
128	Telecommunication Switching	Employability
129	Digital System Design using VHDL	Employability
130	Introduction to Electric Drives	Employability
131	Information Theory and Coding	Employability
132	Spread Spectrum System	Employability
133	VLSI Testing and Testability	Employability
134	Digital Control System	Employability
135	Multi Carrier Communication	Employability
136	Integrated Circuit Technology	Employability
137	Soft Computing	Employability
138	Non-Conventional Energy Resources	Employability
139	Entrepreneurship	Employability
140	RF Integrated Circuits	Employability
141	Adaptive Signal Processing	Employability
142	Communication Techniques	Employability
143	CMOS Analog IC Design	Employability

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144	Digital Hardware Design	Employability
145	Image Processing	Employability
146	Signal Processing Lab	Employability and Skills Development
147	Communication Lab	Employability and Skills Development
148	Low Power VLSI Design	Employability
149	Intelligent Systems and Control	Employability
150	RF and Microwave Techniques	Employability
151	HDL Programming Lab (MEC2085)	Employability
152	RF and Microwave Design Lab	Employability and Skills Development
153	Minor Project	Employability and Skills Development
154	Seminar	Skills development
155	Information Theory and Coding	Employability
156	Embedded Systems	Employability
157	Application Specific Integrated Circuits	Employability
158	Optimal Control System	Employability
159	Satellite Communication	Employability
160	Advanced Data Network	Employability
161	Speech Processing	Employability
162	CMOS RF Integrated Circuits	Employability
163	Optoelectronic Devices	Employability
164	VLSI Testing and Testability	Employability
165	Biomedical Signal Processing	Employability
166	Wireless Communication and Networks	Employability
167	Dissertation-I	Employability and Skills Development
168	Dissertation- II	Employability and Skills Development
169	CAD for VLSI Circuits	Employability
170	Research Methodolgy	Employability


Head of Department
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GLA University, Mathura