

## Department of Electronics and Communication Engineering

### JUIT Waknaghat

#### Call of order

A meeting of departmental course curriculum committee of Electronics and Communication Engineering Department, JUIT Waknaghat was held on *Tuesday, November 10, 2016 at 3:00 pm* in the HOD Office and was presided over by Prof. Sunil Vidya Bhooshan, HOD, ECE

#### Agenda

Course curriculum of the B. Tech. – course structure and credits

#### Attendees

Prof. Sunil Vidya Bhooshan, HOD, ECE	Chairman
Prof. Ghanshyam Singh, ECE	Member
Dr. Rajiv Kumar, Associate Prof. ECE	Member
Dr. Shruti Jain, Associate Prof. ECE	Member
Dr. Meenakshi Sood, Assistant Professor (Sr. Grade)	Member
Dr. Harsh Sohal, Assistant Professor (Sr. Grade)	Member

#### Minutes of the meeting

The board approved the following suggestions:

The minor changes in the course curriculum for B-Tech 2017-21 batch was approved (change in B. Tech. ECE 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> semester).

1. First year course scheme shall be kept the same as before.
2. Unix programming lab shall be removed from 4<sup>th</sup> semester and shall be replaced with a lab course using Lab. View software tools (1 credit).
3. The course *Social and Legal Issues* shall be open elective in 5<sup>th</sup> semester
4. Telecommunication Networks Lab (1 credit), Tutorial (1 credit) and Power electronics Lab (1 credit) shall be removed from 6<sup>th</sup> semester.
5. The courses removed in point 4 shall be replaced with a minor project (3 credits).
6. Multimedia Development Lab-I (1 credit) shall be replaced with industrial tour (1 credit).

**3<sup>rd</sup> semester**

<b>Sr. No.</b>	<b>Proposed</b>	<b>Contact Hours</b>	<b>Credits</b>	<b>Existing</b>
1	Managerial Economics	3	3	Managerial Economics
2	Mathematics-II	3	4	Mathematics-II
3	Electrical Machines and Instruments	3	4	Electrical Machines and Instruments
4	Signals & Systems	3	4	Signals & Systems
5	Analogue Electronics	3	4	Analogue Electronics
6	Electrical Machines and Instruments Lab	2	1	Electrical Machines and Instruments Lab
7	Signals and Systems Lab	2	1	Signals and Systems Lab
8	Analogues Electronics Lab	2	1	Analogues Electronics Lab
9	<b>Industrial Tour</b>	0	1	Multimedia Development Lab-I
		21	23	

**Fourth semester**

<b>Sr. No.</b>	<b>Proposed</b>	<b>Contact Hours</b>	<b>Credits</b>	<b>Existing</b>
1	Financial Management	3	3	Financial Management
2	Probability Theory and Random Processes	4	4	Probability Theory and Random Processes
3	Electromagnetic Engineering	4	4	Electromagnetic Engineering
4	Digital Electronics	4	4	Digital Electronics
5	Analogue/ Digital Communications	4	4	Analogue/ Digital Communications
6	Devices and Circuit simulation Lab	2	1	Devices and Circuit simulation Lab
7	Digital Electronics Lab	2	1	Digital Electronics Lab
8	Analogue/Digital Communications Lab	2	1	Analogue/Digital Communications Lab

9	<b>LABVIEW Lab</b>	2	1	UNIX Programming Lab
10	Environmental Studies	3	3	Environmental Studies
		30	26	

### Fifth semester

Sr.No.	Proposed	Contact Hours	Credits	Existing
1	<b>Open Electives</b>	3	3	Social and Legal Issues
2	Linear Integrated Circuits	4	4	Linear Integrated Circuits
3	Digital Signal Processing	4	4	Digital Signal Processing
4	Microprocessors and Controllers	4	4	Microprocessors and Controllers
5	Microwave & Antenna Design	4	4	Microwave & Antenna Design
6	Theory of Control Systems	4	4	Theory of Control Systems
7	Digital Signal Processing Lab	2	1	Digital Signal Processing Lab
8	Linear Integrated Circuits Lab	2	1	Linear Integrated Circuits Lab
9	Microprocessors and Controllers Lab	2	1	Microprocessors and Controllers Lab
10	Microwave & Antenna Design Lab	2	1	Microwave & Antenna Design Lab
11	Theory of Control Systems lab	2	1	Theory of Control Systems lab
		33	28	

### Sixth semester

Sr.No	Proposed	Contact Hours New (old)	Credits New(old)	Existing
1	<b>Open Electives</b>	3	3	Project Management
2	Telecommunication Networks	<b>3 (4)</b>	<b>3 (4)</b>	Telecommunication Networks
3	VLSI Technology and	4	4	VLSI Technology and

	Applications			Applications
4	Material Sciences	4	4	Material Sciences
5	Object Oriented Systems and Programming	4	4	Object Oriented Systems and Programming
6	Power Electronics	4	4	Power Electronics
7	VLSI Lab	2	1	VLSI Lab
8	Object Oriented Systems and Programming Lab	2	1	Object Oriented Systems and Programming Lab
9	Industrial Training	2	1	Industrial Training
10	<b>Minor Project</b>	<b>3</b>	<b>3(2)</b>	Telecommunication Networks Lab
11				Power Electronics Lab
			28	