Department of Electronics and Communication Engineering

A meeting of the program curriculum committee of the Department of Electronics and Communication Engineering was held on 02.04.2018 at 11.00 hrs in the board room with agenda of structuring the curriculum for 165 credit scheme.

Following were present

Chairman
Prof. Samir Dev Gupta, Head of the Department

Department coordinator
Dr. Meenakshi Sood

Faculty
Dr. Shruti Jain
Dr. Neeru Sharma
Dr. Vikas Baghel
Dr. Shweta Pandit
Dr. Ashwani Sharma

There were discussion about the courses and their contents for new credit scheme which will be followed for the 2018 first year batch. A reference scheme was sent by Dr. Meenakshi Sood, which was already approved in academic council meeting in 2017, for deciding the course structure of ECE UG course of 165 credit scheme. The reference scheme is attached in appendix I.

Outline of the new credit scheme was decided in the meeting. HSS, basic sciences and engineering sciences courses were already there in the scheme and the committee have decided ECE Department core courses, department electives, open electives, major and minor project credits. The final scheme for 165 credit scheme has been attached in appendix II.

The meeting concluded at 13:00 hrs with a vote of thanks by **Prof. Samir Dev Gupta**, Head of Department, ECE.

APPENDIX I

CSE/IT/ECE

	Humanities and Social Sciences including Management courses	Basic Science courses	Engineering Science courses	Professional core courses	Professional Elective courses	Open subjects – Electives from other technical and /or emerging	Project work, seminar and internship in industry or elsewhere	Mandatory courses [Environmental Sciences, Induction training, Indian Constitution, Essence of Indian Traditional Knowledge]	Total Credits
Reccomended Credits AICTE	**14**	**26**	**24**	**48**	**18**	**18**	**15**	**NA**	**163**
Sem1	HSS (2)	Physics(5) Maths (4)	Programming-1(5) Basic EE (5)					English (A)	21
Sem2	HSS (3)	Physics (5) Maths (4)	Programming-2(6) BEDC(5)						23
Sem3	HSS(3)	Maths (4)	Material Sc (3)	DEPTT 13-15					23-25
Sem4	HSS(3)	Maths-4 (4)		DEPTT 16-18				EVS (A)	23-25
Sem5						OE(3)	Minor project		23
Sem6	HSS-5(3)					OE(3)	Minor project		3(+19)
Sem7							Project-1		(+15)
Sem8							Project-1		(+15)

21

23

22

22

23

22

16

16

| Total Credits | | | | | | | | | 165 |

APPENDIX II

S. No.	Subject Code	Name of the Subjects	L	T	P	Credits
		B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 1ST SEMESTER				
			L	**T**	**P**	
1	10B11PD111	HSS-1	1	0	2	**2**
2	10B11MA111	Mathematics-I	3	1	0	**4**
3	10B11PH111	Physics-I	3	1	0	**4**
4		Electrical Sciences	3	1	0	**4**
5	10B11CI111	Introduction to Computer and Programming	3	0	0	**3**
6	10B17PH171	Physics Lab-I	0	0	2	**1**
7		Electrical Sciences Lab	0	0	2	**1**
8	10B17CI171	Computer Programming Lab	0	0	4	**2**
9	10B19GE199	Institutional Orientation	0	0	0	**0**
10	10B11PD199	English Audit	1	0	0	**0**
					Total	**21**

27 hrs

S.No.	Subject Code	Subject Names	L	T	P	Credits
		B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 2ND SEMESTER				
			L	**T**	**P**	
1		Basic Electronics Device &Circuits	3	1	0	**4**
2	10B11PD211	HSS-2	3	0	0	**3**
3	10B11MA211	Discrete Mathematics	3	1	0	**4**
4	10B11PH211	Physics-II	3	1	0	**4**
5	10B11CI211	Data Structures	3	1	0	**4**
6		Basic Electronics Device &Circuits	0	0	2	**1**
7	10B17PH271	Physics Lab-II	0	0	2	**1**
8	10B17CI271	Data Structures and Computer Programming	0	0	4	**2**
					Total	**23**

27 hrs

S. No.	Subject Code	Name of the Subjects	L	T	P	Credits
		B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 3RD SEMESTER				
			L	**T**	**P**	
1	10B11PD311	Engg Economics	3	0	0	**3**
2	10B11MA201	Mathematics-II	3	1	0	**4**
3	10B11PH611	Material Science	3	0	0	**3**
4		Electrical Machines and Instruments	3	0	0	**3**
5	10B11EC301	Signals & Systems	3	1	0	**4**
6		Analogue Electronics	3	1	0	**4**
7	10B17EC307	Signals and Systems Lab	0	0	2	**1**
8		Analogues Electronics Lab	0	0	2	**1**
9		Electrical Machines and Instruments Lab	0	0	2	1
					Total	**24**

26 hrs

S.No.	Subject Code	Subject Names	L	T	P	Credits
		B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 4TH SEMESTER				
			L	**T**	**P**	
1	10B11PD411	Financial Management	3	0	0	**3**

2	10B11MA411	Probability Theory and Random Processes	3	1	0	**4**	
3	17B11EC411	Electromagnetic Engineering	3	1	0	**4**	
4		Digital Electronics & Logic Design	3	1	0	**4**	
5	17B11EC412	Analogue and Digital Communications	3	1	0	**4**	
6	10B11GE411	Environmental Studies	2	0	0	**0**	
7		Python/Pspice lab	0	0	2	**1**	
8		Digital Electronics & Logic Design	0	0	2	**1**	
9	17B11EC471	Analogue and Digital Communications Lab	0	0	2	**1**	
					Total	**22**	27 hrs

B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 5TH SEMESTER

S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	
			L	T	P		
1	10B11EC512	Digital Signal Processing	3	1	0	4	
2		Microprocessor and Microontrollers	3	0	0	3	
3		Deptt Elective DE-I	3	0	0	3	
4		Open Elective	3	0	0	3	
5		Wireless Communication	3	0	0	3	
6		Java	3	0	0	3	
7		Microprocessor and Microcontrollers Lab	0	0	2	1	
8	10B17EC572	Digital Signal Processing Lab	0	0	2	1	
9		Java Lab	0	0	2	1	
10		Minor Project	0	0	2	1	
					Total	**23**	27 hrs

B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 6TH SEMESTER

S.No.	Subject Code	Subject Names	Course Hours			Credits	
			L	T	P		
1	10B11PD611	HSS-5	3	0	0	3	
2		Data Communication & Networks	3	0	0	3	
3	10B11EC612	VLSI Technology and Applications	3	1	0	4	
4		DE-II	3	0	0	3	
5		DE-III	3	0	0	3	
6	11B1WEC611	Open Elective	3	0	0	3	
7	10B17EC672	VLSI Lab	0	0	2	1	
8		Minor Project	0	0	4	2	
9	10B19GE698	Industrial Training	0	0	0	0	
					Total	**22**	25 hrs

B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 7TH SEMESTER

S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	
			L	T	P		
1	10B19EC791	Project Part-I	0	0	8	5	
2		DE-IV	3	0	0	3	
3		DE- V	3	0	0	3	
4		DE-VI	3	0	0	3	
					Total	**14**	19 HRS

S.No.	Subject Code	Subject Names	L	T	P	Credits
B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 8TH SEMESTER						
1		PD Elective-II	3	0	0	3
2		DE-VII	3	0	0	3
3		DE-VIII	3	0	0	3
4	10B19EC891	Project Part II	0	0	8	7
					Total	16 17 HRS

TOTAL CREDITS				**165**
TOTAL HOURS				**195**
TOTAL PRACTICAL HOURS				**60**
TOTAL THEORY+TUTORIALS				**135**