Department of Electronics and Communication Engineering

A meeting of the program curriculum committee of the Department of Electronics and Communication Engineering was held on 04.04.2018 at 15.30 hrs in the board room with agenda of structuring the curriculum for AICTE new credit scheme.

Following were present:

Chairman
Prof. Samir Dev Gupta, Head of the Department

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

Leave of absence
Leave of absence was granted to Dr. Meenakshi Sood

Prof. Samir Dev Gupta informed the committee that new guideline has been issued by AICTE where the total credit points have to be 160 instead of 165.

Changes have been made in the previously finalized 165 credit scheme and final scheme has been decided as follows:

TOTAL CREDITS	160
TOTAL HOURS	191
HSS	12
Basic Science	25
B Computing+Engg Sc	24
Professional CORE	48
Professional Elective	18
OE	18
PROJECT	15

Thereafter, the courses have been finalized by the committee members for further approval in the Board of Studies meeting. The final ECE Department course structure has been attached in appendix III.

The meeting concluded at 17:00 hrs with a vote of thanks by **Prof. Samir Dev Gupta**, Head of Department, ECE.

APPENDIX III

COURSE CURRICULUM OF ECE DEPARTMENT-160CREDITS

B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 1st SEMESTER

S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
			L	T	P		
1		English and Professional Communication	2	0	0	2	2
2		Engineering Mathematics -1	3	1	0	4	4
3		Physics-I	3	1	0	4	4
4		Electrical Sciences	3	1	0	4	4
5		Programming 1	2	0	0	2	2
6		Physics Lab-I	0	0	2	1	2
7		Electrical Sciences Lab	0	0	1	0.5	1
8		Presentation and Communication Lab	0	0	2	1	2
9		Programming 1 Lab	0	0	2	1	2
10		Institutional Orientation	0	0	0	0	0
					Total	19.5	23

B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 2nd SEMESTER

S.No.	Subject Code	Subject Names	Course Hours			Credits	Total Hours
			L	T	P		
1		Electronics Device &Circuits	3	1	0	4	4
2		Principles of Managemnet	3	0	0	3	3
3		Engineering Mathematics -2	3	1	0	4	4
4		Physics-2	3	1	0	4	4
5		Data Structures	3	0	0	3	3
6		Electronics Device &Circuits Lab	0	0	2	1	2
7		Physics Lab-2	0	0	2	1	2
8		Data Structures Lab	0	0	2	1	2

						Total	**21**	**24**

B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 3rd SEMESTER

S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
			L	T	P		
1		Engineering Economics	3	0	0	**3**	**3**
2		Engineering Mathematics -3	3	1	0	**4**	**4**
3		Material Science	3	0	0	**3**	**3**
3		Digital Electronics & Logic Design	3	1	0	**4**	**4**
4		Analogue Electronics	3	1	0	**4**	**4**
5		Digital Electronics & Logic Design Lab	0	0	1	**0.5**	**1**
6		Analogues Electronics Lab	0	0	2	**1**	**2**
7		OOPS Lab	0	0	2	**1**	**2**
					Total	**20.5**	**23**

B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 4th SEMESTER

S.No.	Subject Code	Subject Names	Course Hours			Credits	Total Hours
			L	T	P		
1		Project Management	3	0	0	**3**	**3**
2		Engineering Mathematics -4	3	0	0	**3**	**3**
3		Electromagnetic Engineering	3	1	0	**4**	**4**
4		Signals & Systems	3	1	0	**4**	**4**
5		Analogue and Digital Communications	3	1	0	**4**	**4**
6		Python Lab (ECE Deptt)	0	0	2	**1**	**2**
7		Signals and Systems Lab	0	0	2	**1**	**2**
8		Analogue and Digital Communications Lab	0	0	2	**1**	**2**
9		Environmental Studies	2	0	0	**0**	**2**
					Total	**21**	**26**

B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 5th SEMESTER

S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
			L	T	P		

S.No.	Subject Code	Subject Names	L	T	P	Credits	Total Hours
1		Digital Signal Processing	3	1	0	**4**	**4**
2		Microprocessor and Microcontrollers	3	0	0	**3**	**3**
3		Deptt Elective DE-I	3	0	0	**3**	**3**
4		Electrical Machines and Instruments	3	0	0	**3**	**3**
5		Open Elective I	3	0	0	**3**	**3**
6		Wireless Communication	3	0	0	**3**	**3**
7		Microprocessor and Microcontrollers Lab	0	0	2	**1**	**2**
8		Digital Signal Processing Lab	0	0	2	**1**	**2**
					Total	**21**	**23**

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

S.No.	Subject Code	Subject Names	Course Hours			Credits	Total Hours
			L	T	P		
1		Data Communication & Networks	3	0	0	**3**	**3**
2		VLSI Technology and Applications	3	0	0	**3**	**3**
3		Open Elective II	3	0	0	**3**	**3**
4		Open Elective III	3	0	0	**3**	**3**
5		Deptt Elective DE-II	3	0	0	**3**	**3**
6		VLSI Lab	0	0	2	**1**	**2**
7		Minor Project I	0	0	4	**2**	**4**
8		Java lab	0	0	2	**1**	**2**
9		Adv Communication Lab	0	0	2	**1**	**2**
10		Industrial Training	0	0	0	**0**	**0**
					Total	**20**	**25**

B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 7 th SEMESTER

S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
			L	T	P		
1		Project Part-I	0	0	8	6	**8**
		Antenna Theory & Design	3	0	0	3	**3**

S.No.	Subject Code	Subject Names	L	T	P	Credits	Total Hours
2		Indian Constitution	1	0	0	0	1
3		Open Elective IV	3	0	0	3	3
4		Deptt Elective DE-III	3	0	0	3	3
5		Deptt Elective DE-IV	3	0	0	3	3
					Total	18	21

B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 8 th SEMESTER

S.No.	Subject Code	Subject Names	Course Hours			Credits	Total Hours
			L	T	P		
1		Deptt Elective DE-V	3	0	0	3	3
2		Open Elective V	3	0	0	3	3
3		Deptt Elective DE-VI	3	0	0	3	3
4		Deptt Elective DE-VII	3	0	0	3	3
5		Project Part II	0	0	8	7	8
					Total	19	20

						Credits	
		TOTAL CREDITS				**160**	
		TOTAL HOURS				**185**	
		HSS				**12**	
		Basic Science				**25**	
		B Computing+Engg Sc				**21.5**	
		Professional CORE				**50.5**	
		Professional Elective				**21**	
		OE				**15**	
		PROJECT				**15**	160

DEPTT. OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECTS TO BE TAUGHT TO CSE BRANCH

S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
1		Electrical Sciences	3	1	0	**4**	*4*
2		Electrical Sciences Lab	0	0	1	**0.5**	*1*
3		Electronics Device &Circu	3	1	0	**4**	*4*
4		Electronics Device &Circu	0	0	2	**1**	*2*
5		Digital Electronics & Log	3	1	0	**4**	*4*
6		Digital Electronics & Log	0	0	1	**0.5**	*1*
7		Signals & Systems	3	1	0	**4**	*4*
8		Signals and Systems Lab	0	0	2	**1**	*2*

DEPTT. OF ELECTRONICS & COMMUNICATION ENGINEERING

SUBJECTS TO BE TAUGHT TO CE BRANCH

S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
1		Electrical Sciences	3	1	0	**4**	*4*
2		Electrical Sciences Lab	0	0	1	**0.5**	*1*
3		Electronics Device &Circuits	3	1	0	**4**	*4*
4		Electronics Device &Circuits L	0	0	2	**1**	*2*