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

	COUF	RSE CURRICULUM OF ECE DE	PART	MENT	-160CI	REDITS	
	В.	TECH (ELECTRONICS & COMMUNICATION	ENGINE	ERING) 1	st SEMES	TER	
S. No.	Subject Code	Name of the Subjects		Course Ho		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
	В.	TECH (ELECTRONICS & COMMUNICATION	ENGINE	ERING) 2	2 nd SEMES	STER	
S.No.	Subject Code		(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
	В	3. TECH ELECTRONICS & COMMUNICATION	ENGINE	ERING 3	rd SEMEST	ER	
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			Course Ho		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
	E	3. TECH ELECTRONICS & COMMUNICATION	ENGINE	ERING 5	th SEMEST	ER	
S. No.	Subject Code	Name of the Subjects	Course Hours			Credits	Total Hours
			L	T	P		

Microprocessor and Microcontrollers							
3		Digital Signal Processing	3	1	0	4	4
A		Microprocessor and Microcontrollers	3	0	0	3	3
S.No. Subject Code		Deptt Elective DE-I	3	0	0	3	3
6		Electrical Machines and Instruments	3	0	0	3	3
Microprocessor and Microcontrollers Lab		Open Elective I	3	0	0	3	3
Solution Digital Signal Processing Lab Digital Processing Lab Digit		Wireless Communication	3	0	0	3	3
B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 6 th SEMESTER S.No. Subject Code Subject Names Course Hours Credits Total F		Microprocessor and Microcontrollers Lab	0	0	2	1	2
B. TECH (ELECTRONICS & COMMUNICATION ENGINEERING) 6 th SEMESTER S.No. Subject Code Subject Names Course Hours Credits Total F		Digital Signal Processing Lab	0	0	2	1	2
S.No. Subject Code Subject Names Course Hours Credits Total F 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 2 1 2 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 0 2 Total 20 2 1 2 2 <td></td> <td></td> <td></td> <td></td> <td>Total</td> <td>21</td> <td>23</td>					Total	21	23
Data Communication & Networks 3 0 0 3 3 3 3 3 3 3	В.	TECH (ELECTRONICS & COMMUNICATION				TER	
Data Communication & Networks 3 0 0 3 3 3 3 3 3 3	Subject Code	Subject Names	(Course Ho	urs	Credits	Total Hours
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 10 Industrial Training 0 0 0 0 0 2 Total 20 25 3 0 0 0 0 0 4 0 0 0 0 0 0 5 Tech ELECTRONICS & COMMUNICATION ENGINEERING 7 Total 2 <t< td=""><td></td><td></td><td>L</td><td>T</td><td>P</td><td></td><td></td></t<>			L	T	P		
3		Data Communication & Networks	3	0	0	3	3
A		VLSI Technology and Applications	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 0 0 Total 0 0 0 0 0 0 0 0 Total 0		Open Elective 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 0 0 0 0 0 0 0 0 B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 7 th SEMESTER S. No. Subject Code Name of the Subjects Course Hours Credits Total F 1 Project Part-I 0 0 8 6 8		Open Elective III	3	0	0	3	3
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 0 0 0 0 0 0 0 0 0 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 <td></td> <td>Deptt Elective DE-II</td> <td>3</td> <td>0</td> <td>0</td> <td>3</td> <td>3</td>		Deptt Elective DE-II	3	0	0	3	3
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 B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 7 th SEMESTER S. No. Subject Code Name of the Subjects Course Hours Credits Total F 1 Project Part-I 0 0 8 6 8		VLSI Lab	0	0	2	1	2
9 Adv Communication Lab 0 0 2 1 2 10 Industrial Training 0 0 0 0 0 B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 7 th SEMESTER S. No. Subject Code Name of the Subjects Course Hours Credits Total Foundation Total Foundation Fou		Minor Project I	0	0	4	2	4
10 Industrial Training 0 0 0 0 0 25 B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 7 th SEMESTER S. No. Subject Code Name of the Subjects Course Hours Credits Total Foundation 1 Project Part-I 0 0 8 6 8		Java lab	0	0	2	1	2
		Adv Communication Lab	0	0	2	1	2
B. TECH ELECTRONICS & COMMUNICATION ENGINEERING 7 th SEMESTER S. No. Subject Code Name of the Subjects Course Hours Credits Total F 1 Project Part-I 0 0 8 6 8		Industrial Training	0	0	0	0	0
S. No. Subject Code Name of the Subjects Course Hours Credits Total F 1 Project Part-I 0 0 8 6 8					Total	20	25
Image: Control of the contro	В	. TECH ELECTRONICS & COMMUNICATION	ENGINE	ERING 7	th SEMES	ΓER	
1 Project Part-I 0 0 8 6 8	Subject Code	Name of the Subjects	Course Hours Credit		Credits	Total Hours	
· · · · · · · · · · · · · · · · · · ·			L	T	P		
		-	0	0	8	6	8
Antenna Theory & Design 3 0 0 3 3		Antenna Theory & Design	3	0	0	3	3
		Subject Code	Microprocessor and Microcontrollers Deptt Elective DE-I Electrical Machines and Instruments Open Elective I Wireless Communication Microprocessor and Microcontrollers Lab Digital Signal Processing Lab B. TECH (ELECTRONICS & COMMUNICATION Subject Code Subject Names Data Communication & Networks VLSI Technology and Applications Open Elective II Open Elective III Deptt Elective DE-II VLSI Lab Minor Project I Java lab Adv Communication Lab Industrial Training B. TECH ELECTRONICS & COMMUNICATION Subject Code Name of the Subjects Project Part-I	Microprocessor and Microcontrollers 3	Microprocessor and Microcontrollers 3 0	Microprocessor and Microcontrollers 3 0 0	Microprocessor and Microcontrollers 3 0 0 3

								_
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	
	В	. TECH (ELECTRONICS & COMMUNICATION	ENGINE	ERING)	8 th SEMES	TER		
S.No.	Subject Code	Subject Names	C	Course Ho	urs	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	
		TOTAL CREDITS				160		
		TOTAL HOURS				185	1	
		HSS				12	1	
		Basic Science				25	1	
		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	C	ourse Hou	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 & Logi	3	1	0	4	4
6		Digital Electronics & Logi	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	C	Course Hou	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