SECOND YEAR: COMPUTER ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER –III

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
COMP 3.1	Applied Mathematics-III	3	1	--	3	100	25	--	--	--	**125**
COMP 3.2	Data Structures and Algorithms-I	3	1	2	3	100	25	--	25	--	**150**
COMP 3.3	Economics and Organizational Behaviour	3	--	--	3	100	25	--	--	--	**125**
COMP 3.4	Object-Oriented Programming using C++	3	1	2	3	100	25	--	25	--	**150**
COMP 3.5	Logic Design	3	1	2	3	100	25	--	--	25	**150**
COMP 3.6	Software Engineering	3	1	2	3	100	25	25	--	--	**150**
TOTAL		**18**	**05**	**08**	**--**	**600**	**150**	**25**	**50**	**25**	**850**

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

SECOND YEAR: COMPUTER ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER –IV

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
COMP 4.1	Discrete Mathematics	3	1	--	3	100	25	--	--	--	**125**
COMP 4.2	Computer Organization	3	1	2	3	100	25	25	--	--	**150**
COMP 4.3	Microprocessors and Interfacing	3	1	2	3	100	25	--	25	--	**150**
COMP 4.4	Data Structures and Algorithms-II	3	1	2	3	100	25	--	--	25	**150**
COMP 4.5	Signals and Systems	3	1	--	3	100	25	--	--	--	**125**
COMP 4.6	Java Programming	3	1	2	3	100	25	--	25	--	**150**
TOTAL		**18**	**06**	**08**	**--**	**600**	**150**	**25**	**50**	**25**	**850**

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THIRD YEAR :COMPUTER ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER - V

Subject Code	Nomenclature of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination					
		L	T	P#	ThDuration (Hrs)	Marks				
						Th	S	TW	P	O	Total
COMP 5.1	Data Communication	3	0	0	3	100	25	--	--	--	**125**
COMP 5.2	Automata Languages and Computation	3	1	2	3	100	25	25		--	**150**
COMP 5.3	Cryptography and Coding Theory	3	1	0	3	100	25	--	--	--	**125**
COMP 5.4	VLSI Hardware Descriptive Language	3	1	2	3	100	25	--		25	**150**
COMP 5.5	Database Management System	3	1	2	3	100	25	--	25		**150**
COMP 5.6	Operating Systems	3	1	2	3	100	25		25	--	**150**
TOTAL		**18**	**05**	**08**	**--**	**600**	**150**	**25**	**50**	**25**	**850**

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THIRDYEAR:COMPUTER ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER - VI

Subject Code	Nomenclature of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination					
		L	T	P#	ThDuration (Hrs)	Marks				
						Th	S	TW	P	O	Total
COMP 6.1	Software Testing and Quality Assurance	3	0	0	3	100	25	--	--	--	**125**
COMP 6.2	Design and Analysis of Algorithms	3	1	0	3	100	25	--	--	--	**125**
COMP 6.3	Artificial Intelligence	3	1	2	3	100	25	--	25	--	**150**
COMP 6.4	Computer Graphics	3	1	2	3	100	25	--	25		**150**
COMP 6.5	Embedded System Design	3	1	2	3	100	25	25	--	--	**150**
COMP 6.6	Computer Networks	3	1	2	3	100	25			25	**150**
TOTAL		**18**	**05**	**08**	**--**	**600**	**150**	**25**	**50**	**25**	**850**

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FINAL YEAR: COMPUTER ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER –VII

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
COMP 7.1	Compiler Construction	3	1	2	3	100	25	--	--	25	**150**
COMP 7.2	Data Mining	3	1	2	3	100	25	--	--	--	**125**
COMP 7.3	Image Processing	3	1	2	3	100	25	--	25	--	**150**
COMP 7.4	Elective-I	3	1	2	3	100	25	--	--	--	**125**
COMP 7.5	Elective-II	3	1	--	3	100	25	--	--	25	**150**
COMP 7.6	Project	--	--	4	--	--	--	--	--	25	**25**
TOTAL		**15**	**5**	**12**	**--**	**500**	**125**	**--**	**25**	**75**	**725**

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List of Electives

Subject Code	Elective-I	Subject Code	Elective-II
COMP 7.4.1	VLSI Design	COMP 7.5.1	Entrepreneurship Development
COMP 7.4.2	Data Compression	COMP 7.5.2	Geographical Information Systems
COMP 7.4.3	Fuzzy Logic and Neural Networks	COMP 7.5.3	Design Patterns and Frameworks
COMP 7.4.4	Web Technologies	COMP 7.5.4	Project Management and Quality Assurance
COMP 7.4.5	Cloud Computing	COMP 7.5.5	Big Data Analytics

FINAL YEAR: COMPUTER ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION

(RC 2016-17)

SEMESTER –VIII

Subject Code	Name of the Subject	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Th Duration (Hrs)	Marks					
						Th	S	TW	P	O	Total
COMP 8.1	Distributed Operating Systems	3	1	2	3	100	25	--	--	25	**150**
COMP 8.2	Network Security	3	1	2	3	100	25	--	--	--	**125**
COMP 8.3	Elective-III	3	1	2	3	100	25	--		25	**150**
COMP 8.4	Elective-IV	3	1	2	3	100	25	--	--	25	**150**
COMP 8.5	Project	--	--	8	--	--	--	75	--	75	**150**
TOTAL		**12**	**04**	**16**	**--**	**400**	**100**	**75**	**-**	**150**	**725**

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List of Electives

Subject Code	Elective-III	Subject Code	Elective-IV
COMP 8.3.1	Operation Research	COMP 8.4.1	Genetic Algorithms
COMP 8.3.2	Multimedia Systems	COMP 8.4.2	Real Time Systems
COMP 8.3.3	Bio Informatics	COMP 8.4.3	Mobile Computing
COMP 8.3.4	Storage Area Networks	COMP 8.4.4	Machine Learning
COMP 8.3.5	Web Services	COMP 8.4.5	Digital Signal Processing