ANDHRA UNIVERSITY:: VISAKHAPATNAM
COMMON SCHEME OF INSTRUCTION & EXAMINATION
I/IV B.TECH (FOUR YEAR COURSE) &
I/IV B.TECH (SIX YEAR DOUBLE DEGREE COURSE)
(With effect from **2015-2016** admitted batch onwards)
Under Choice Based Credit System
GROUP – A
(Civil, Chemical, CSE, IT)
I-SEMESTER

Code No.	Course	Credits	Lecture Hrs	Tutorial Hrs	Lab Hrs	Total Contact Hrs/Week	Sessional Marks	Exam Marks	Total Marks
ENG 1101	English	4	3	1	--	4	30	70	100
ENG 1102	Mathematics-I	4	3	1	--	4	30	70	100
ENG 1103	Mathematics-II	4	3	1	--	4	30	70	100
ENG 1104	Chemistry	4	3	1	--	4	30	70	100
ENG 1105	Computer Programming with C and Numerical Methods	4	2	--	3	5	30	70	100
ENG 1106	History of Science and Technology	2	2	--	--	2	30	70	100
ENG 1107	Chemistry Lab	2	--	--	3	3	50	50	100
ENG 1108	Computer Programming with C and Num. Methods Lab	2	--	--	3	3	50	50	100
ENG 1109	Sports(Audit)	2	--	--	--	3	--	--	--
	TOTAL	**28**	**16**	**4**	**9**	**32**			

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I/IV B.TECH (FOUR YEAR COURSE) &
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(With effect from **2015-2016** admitted batch onwards)
Under Choice Based Credit System
GROUP – A
(Civil, Chemical, CSE, IT)
II-SEMESTER

Code No.	Course	Credits	Lecture Hrs	Tutorial Hrs	Lab Hrs	Total Contact Hrs/Week	Sessional Marks	Exam Marks	Total Marks
ENG 1201	Mathematics-III	4	3	1	--	4	30	70	100
ENG 1202	Physics	4	3	1	--	4	30	70	100
ENG 1203	Probability, Statistics and Queuing Theory	4	3	1	--	4	30	70	100
ENG 1204	Engg .Graphics	4	4	--	--	4	30	70	100
ENG 1205	Ethics & Moral Values	2	2	--	--	2	30	70	100
ENG 1206	Physics Lab	2	--	--	3	3	50	50	100
ENG 1207	Work shop	2	--	--	3	3	50	50	100
ENG 1208	English Language Lab	2	--	--	3	3	50	50	100
ENG 1209	NCC/NSS (Audit)	2	--	--	--	3	--	--	--
	Total	**26**	**15**	**3**	**9**	**30**			

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING(A) - VISAKHAPATNAM

I – SEMESTER SCHEME OF INSTRUCTION AND EXAMINATION

Branch: COMPUTER SCIENCE AND ENGINEERING

II/IV B.TECH (FOUR YEAR COURSE) &
II/IV B.TECH (SIX YEAR DOUBLE DEGREE COURSE)
(With effect from **2015-2016** admitted batch onwards)
Under Choice based Credit System

SUB.REF.	NAME OFTHE SUBJECT	PERIODS			MAXIMUM MARKS			CREDITS
B.TECH. (CSE) 2ND YEAR I-SEMESTER SCHEME OF INSTRUCTION AND EXAMINATION WITH EFFECT FROM 2015-2016								
		THEORY	TUTORIAL	LAB	EXAM	SESSIONALS	TOTAL	
CSE2.1.1	DATA STRUCTURES	3	1	--	70	30	100	4
CSE2.1.2	ELEMENTS OF ELECTRONICS ENGINEERING	3	1	--	70	30	100	4
CSE2.1.3	DISCRETE MATHEMATICAL STRUCTURES	3	1	--	70	30	100	4
CSE2.1.4	OBJECT ORIENTED PROGRAMMING	3	1	--	70	30	100	4
CSE2.1.5	ELEMENTS OF ELECTRICAL ENGINEERING	3	1	--	70	30	100	4
CSE2.1.6	DIGITAL LOGIC DESIGN	3	1	--	70	30	100	4
CSE2.1.7	DATA STRUCTURES LAB	--	--	3	50	50	100	2
CSE2.1.8	OBJECT ORIENTED PROGRAMMING LAB	--	--	3	50	50	100	2
TOTAL CREDITS								**28**

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING(A) - VISAKHAPATNAM

II – SEMESTER SCHEME OF INSTRUCTION AND EXAMINATION

Branch: COMPUTER SCIENCE AND ENGINEERING

II/IV B.TECH (FOUR YEAR COURSE) &
II/IV B.TECH (SIX YEAR DOUBLE DEGREE COURSE)
(With effect from **2015-2016** admitted batch onwards)
Under Choice based Credit System

SUB.REF. NO.	NAME OF THE SUBJECT	PERIODS			MAXIMUM MARKS			CREDITS
		THEORY	TUTORIAL	LAB	EXAM	SESSIONALS	TOTAL	
CSE 2.2.1	OPERATING SYSTEMS	3	1	--	70	30	100	4
CSE 2.2.2	COMPUTER ORGANIZATION	3	1	--	70	30	100	4
CSE 2.2.3	MICROPROCESSORS	3	1	--	70	30	100	4
CSE 2.2.4	DATA COMMUNICATIONS	3	1	--	70	30	100	4
CSE 2.2.5	ADVANCED DATA STRUCTURES	3	1	--	70	30	100	4
CSE 2.2.6	OPERATIONS RESEARCH	3	1	--	70	30	100	4
CSE 2.2.7	ENVIRONMENTAL STUDIES	3	1		70	30	100	2
CSE 2.2.8	OPERATING SYSTEMS LAB	--	--	3	50	50	100	2
CSE 2.2.9	DIGITAL ELECTRONICS & MICROPROCESSORS LAB	--	--	3	50	50	100	2
							TOTAL CREDITS	30

B.TECH. (CSE) 2ⁿᵈ YEAR II-SEMESTER SCHEME OF INSTRUCTION AND EXAMINATION WITH EFFECT FROM 2015-2016 BATCHES

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING(A) - VISAKHAPATNAM
I– SEMESTER SCHEME OF INSTRUCTION AND EXAMINATION
Branch: COMPUTER SCIENCE AND ENGINEERING
III/IV B.TECH (FOUR YEAR COURSE) &
III/IV B.TECH (SIX YEAR DOUBLE DEGREE COURSE)
(With effect from **2015-2016** admitted batch onwards)
Under Choice based Credit System

SUB.REF.	NAME OFTHE SUBJECT	PERIODS			MAXIMUM MARKS			CREDITS
		THEORY	TUTORIAL	LAB	EXAM	SESSIONALS	TOTAL	
CSE3.1.1	COMPUTER NETWORKS	3	1	--	70	30	100	4
CSE3.1.2	MOOCS-I	--	--	--	--	--	100	2
CSE3.1.3	WEB TECHNOLOGIES	3	1	--	70	30	100	4
CSE3.1.4	FORMAL LANGUAGES & AUTOMATA THEORY	3	1	--	70	30	100	4
CSE3.1.5	DATABASE MANAGEMENT SYSTEMS	3	1	--	70	30	100	4
CSE3.1.6	ELECTIVE-I	3	1	--	70	30	100	4
CSE3.1.7	MOOCS-II (Un-audit)	--	--	--	--	--	--	--
CSE3.1.8	DATABASE MANAGEMNET SYSTEMS LAB	--	--	3	50	50	100	2
CSE3.1.9	DATA COMMUNICATIONS AND COMPUTER NETWORKS LAB	--	--	3	50	50	100	2
CSE 3.1.10	SOFT SKILLS LAB	--	--	3		100	100	2
TOTAL CREDITS								28

B.TECH. (CSE) 3rd YEAR I-SEMESTER SCHEME WITH EFFECT FROM 2015-2016

ELECTIVE-I:
1) Application Development Using Java, 2) Advanced Microprocessors, 3) Digital Signal Processing, 4) Principles Of Programming Languages, 5) Image Processing

MOOCS :
Each student should learn any one of the following topics by registering for courses through Online instruction from standard e-learning portals like nptel, coursera, etc. and write the examination conducted as per the university norms.

List of topics for MOOCS-I:
1)Data Visualization using Tableau, 2)Python Programming, 3)Mobile Application Development, 4)Modeling and simulation using MatLab, 5)Recommender Systems.

List of topics for MOOCS-II:
1) Bio Informatics, 2) Geo Informatics, 3) E- Commerce, 4)Semantic Web.

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Branch: COMPUTER SCIENCE AND ENGINEERING
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III/IV B.TECH (SIX YEAR DOUBLE DEGREE COURSE)
(With effect from **2015-2016** admitted batch onwards)
Under Choice based Credit System

B.TECH. (CSE) 3rd YEAR II-SEMESTER SCHEME OF INSTRUCTION

AND EXAMINATIONWITH EFFECT FROM 2015-2016

SUB.REF	NAME OFTHE SUBJECT	PERIODS			MAXIMUM MARKS			CREDITS
		THEORY	TUTORIAL	LAB	EXAM	SESSIONALS	TOTAL	
CSE 3.2.1	DATA WAREHOUSING AND DATA MINING	3	1	--	70	30	100	4
CSE 3.2.2	OBJECT ORIENTED SOFTWARE ENGINEERING	3	1	--	70	30	100	4
CSE 3.2.3	MOOCS-III	--	--	--	--	--	100	2
CSE 3.2.4	DESIGN AND ANALYSIS OF ALGORITHMS	3	1	--	70	30	100	4
CSE 3.2.5	ELECTIVE–II	3	1	--	70	30	100	4
CSE 3.2.6	COMPILER DESIGN	3	1	--	70	30	100	4
CSE 3.2.7	CRYPTOGRAPHY AND NETWORK SECURITY	3	1	--	70	30	100	4
CSE 3.2.8	SOFTWARE ENGINEERING MINI PROJECT LAB	--	--	3	50	50	100	2
CSE 3.2.9	WEB TECHNOLOGIES LAB	--	--	3	50	50	100	2
						TOTAL CREDITS		30

ELECTIVE-II

1)Cloud Computing, 2) Soft Computing, 3) Distributed Systems, 4) Advanced Computer Architecture, 5)Computer Graphics

List of topics for MOOCS-III:

1) Internet of Things, 2) Rasberry Pi Platform, 3) Signals and Systems, 4) DevOps, 5) Social Network Analysis/Mining,

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IV/IV B.TECH (SIX YEAR DOUBLE DEGREE COURSE)
(With effect from **2015-2016** admitted batch onwards)
Under Choice Based Credit System

	B.TECH. (CSE) 4th YEAR I-SEMESTER SCHEME OF INSTRUCTION AND EXAMINATION							
SUB.REF. NO.	**NAME OF THE SUBJECT**	**PERIODS**			**MAXIMUM MARKS**			**CREDITS**
		THEORY	**TUTORIAL**	**LAB**	**EXAM**	**SESSIONALS**	**TOTAL**	
CSE 4.1.1	EMBEDDED SYSTEMS	3	1	--	70	30	100	4
CSE 4.1.2	CYBER SECURITY & DIGITAL FORENSICS	3	1	--	70	30	100	4
CSE 4.1.3	ARTIFICIAL INTELLIGENCE	3	1	--	70	30	100	4
CSE 4.1.4	PRINCIPLES OF ECONOMICS AND MANAGEMENT	3	1	--	70	30	100	4
CSE 4.1.5	MOOCS-IV (UN-AUDIT)	--	--	--	--	100	100	--
CSE 4.1.6	BIGDATA ANALYTICS	3	1	--	70	30	100	4
CSE 4.1.7	KNOWLEDGE ENGINEERING LAB	--	--	3	50	50	100	2
CSE 4.1.8	BIGDATA ANALYTICS LAB	--	--	3	50	50	100	2
CSE 4.1.9	INTERNET OF THINGS LAB	--	--	3	50	50	100	2
						TOTAL CREDITS		26

List of topics for MOOCS-IV:
1)Agile Methods for Software Development, 2)Mongo DB for Developers, 3)R Programming, 4)Machine Learning. **OR**

SUB.REF. NO.	**NAME OF THE SUBJECT**	**MAXIMUM MARKS**			**CREDITS**
		INTERNAL	**EXTERNAL**	**TOTAL**	
CSE 4.2	**PROJECT/ THESIS WORK**	**50**	**50**	**100**	**14**

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IV/IV B.TECH (FOUR YEAR COURSE) &
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SUB.REF. NO.	NAME OF THE SUBJECT	PERIODS			MAXIMUM MARKS			CREDITS
		THEORY	TUTORIAL	LAB	EXAM	SESSIONALS	TOTAL	
CSE 4.1.1	EMBEDDED SYSTEMS	3	1	--	70	30	100	4
CSE 4.1.2	CYBER SECURITY & DIGITAL FORENSICS	3	1	--	70	30	100	4
CSE 4.1.3	ARTIFICIAL INTELLIGENCE	3	1	--	70	30	100	4
CSE 4.1.4	PRINCIPLES OF ECONOMICS AND MANAGEMENT	3	1	--	70	30	100	4
CSE 4.1.5	MOOCS-IV (UN-AUDIT)	--	--	--	--	100	100	--
CSE 4.1.6	BIGDATA ANALYTICS	3	1	--	70	30	100	4
CSE 4.1.7	KNOWLEDGE ENGINEERING LAB	--	--	3	50	50	100	2
CSE 4.1.8	BIGDATA ANALYTICS LAB	--	--	3	50	50	100	2
CSE 4.1.9	INTERNET OF THINGS LAB	--	--	3	50	50	100	2
						TOTAL CREDITS		26

The table above is titled: **B.TECH. (CSE) 4th YEAR I-SEMESTER SCHEME OF INSTRUCTION AND EXAMINATION**

List of topics for MOOCS-IV:
1)Agile Methods for Software Development, 2)Mongo DB for Developers, 3)R Programming, 4)Machine Learning.

OR

SUB.REF. NO.	NAME OF THE SUBJECT	MAXIMUM MARKS			CREDITS
		INTERNAL	EXTERNAL	TOTAL	
CSE 4.2	**PROJECT/ THESIS WORK**	50	50	100	14