ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A): VISAKHAPATNAM

COMMON SCHEME OF INSTRUCTION & EXAMINATION

I/IV B.TECH (FOUR YEAR COURSE)

(With effect from 2015-2016 admitted batch onwards)

Under Choice Based Credit System

GROUP– A

(Civil, Chemical, CSIT, IT)

I-SEMESTER

Code No.	Course	Credits	Lecture Hrs	Tutorial Hrs	Lab Hrs	Total Contact Hrs/Week	Internal 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 USING C AND NUMERICAL METHODS	4	3	2	-	5	30	70	100
ENG 1106	HISTORY OF SCIENCE & TECHNOLOGY	2	2	-		2	30	70	100
ENG 1107	CHEMISTRY LAB	2	-	-	3	3	50	50	100
ENG 1108	COMPUTER PROGRAMMING USING C AND NUMERICAL METHODS LAB	2	-	-	3	3	50	50	100
ENG 1109	SPORTS (AUDIT)	2	-	-	-	3	-	-	-
	Total	**28**	**17**	**6**	**6**	**32**	**280**	**520**	**800**

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COMMON SCHEME OF INSTRUCTION & EXAMINATION

I/IV B.TECH (FOUR YEAR COURSE)

(With effect from 2015-2016 admitted batch onwards)

Under Choice Based Credit System

GROUP– A

(Civil, Chemical, CSIT, IT)

II-SEMESTER

Code No.	Course	Credits	Lecture Hrs	Tutorial Hrs	Lab Hrs	Total Contact Hrs/Week	Internal 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 & 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 Credits	**26**	**15**	**3**	**9**	**30**	**300**	**500**	**800**

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A): VISAKHAPATNAM

I-SEMESTER SCHEME OF INSTRUCTION & EXAMINATION

Branch: INFORMATION TECHNOLOGY

II/IV B.TECH (IT) (FOUR YEAR COURSE)

(With effect from 2015-2016 admitted batch onwards)

Under Choice Based Credit System

B.TECH (IT) 2nd YEAR I-SEMESTER SCEME OF INSTRUCTION AND EXMINATION
With effect from 2015-2016 admitted batch

Sub Ref. No	Name of the Subject	Periods			Maximum marks			Credits
		Theory	Tutorial	Lab	Exam	Internal	Total	
CSE 2.1.1	DATA STRUCTURES	3	1	--	70	30	100	4
CSE 2.1.2	ELEMENTS OF ELECTRONICS ENGINEERING	3	1	--	70	30	100	4
CSE 2.1.3	DISCRETE MATHEMATICAL STRUCTURES	3	1	--	70	30	100	4
CSE 2.1.4	OBJECT ORIENTED PROGRAMMING	3	1	--	70	30	100	4
IT 2.1.5	SYSTEMS PROGRAMMING	3	1	--	70	30	100	4
CSE 2.1.6	DIGITAL LOGIC DESIGN	3	1	--	70	30	100	4
CSE 2.1.7	DATA STRUCTURES LAB	--	--	3	50	50	100	2
CSE 2.1.8	OBJECT ORIENTED PROGRAMMING LAB	--	--	3	50	50	100	2
	TOTAL CREDITS							**28**

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A): VISAKHAPATNAM

II-SEMESTER SCHEME OF INSTRUCTION & EXAMINATION

Branch: INFORMATION TECHNOLOGY

II/IV B.TECH (IT) (FOUR YEAR COURSE)

(With effect from 2015-2016 admitted batch onwards)

Under Choice Based Credit System

B.TECH (IT) 2ⁿᵈ YEAR II-SEMESTER SCEME OF INSTRUCTION AND EXMINATION
With effect from 2015-2016 admitted batch

Sub Ref. No	Name of the Subject	Periods			Maximum marks			Credits
		Theory	Tutorial	Lab	Exam	Internal	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	MICRO PROCESSORS	3	1	--	70	30	100	4
CSE 2.2.4	DATA COMMUNICATIONS	3	1	--	70	30	100	4
IT 2.2.5	INTERNET CONCEPTS AND JAVA PROGRAMMING	3	1	--	70	30	100	4
CSE 2.2.6	OPERATION RESEARCH	3	1	--	70	30	100	4
CSE 2.2.7	ENVIRONMENTAL STUDIES	--	--	3	70	30	100	2
IT 2.2.8	INTERNET CONCEPTS AND JAVA PROGRAMMING LAB	--	--	3	50	50	100	2
CSE 2.2.9	DIGITAL ELECTRONICS AND MICROPROCESSORS LAB	--	--	3	50	50	100	2
	TOTAL CREDITS							**30**

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A): VISAKHAPATNAM

I-SEMESTER SCHEME OF INSTRUCTION & EXAMINATION

Branch: INFORMATION TECHNOLOGY

III/IV B.TECH (IT) (FOUR YEAR 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	Internal	Total	
CSE 3.1.1	COMPUTER NETWORKS	3	1	--	70	30	100	4
IT 3.1.2	MOOCS-I	--	--	--	--	--	--	2
CSE 3.1.3	WEB TECHNOLOGIES	3	1	--	70	30	100	4
CSE 3.1.4	FORMAL LANGUAGES & AUTOMATA THEORY	3	1	--	70	30	100	4
CSE 3.1.5	DATA BASE MANAGEMENT SYSTEMS	3	1	--	70	30	100	4
IT 3.1.6	ELECTIVE- I	3	1	--	70	30	100	4
IT 3.1.7	MOOCS-II(UN-AUDIT)	--	--	--	--	--	--	--
CSE 3.1.8	DATA BASE MANAGEMENT SYSTEMS LAB.	--	--	3	50	50	100	2
IT 3.1.9	WEB TECHNOLOGIES LAB	--	--	3	50	50	100	2
CSE 3.1.10	SOFTSKILLS LAB	--	--	--	3	100	100	2
	TOTAL CREDITS							**28**

Table header: B.TECH (IT) 3rd YEAR I-SEMESTER SCEME OF INSTRUCTION AND EXMINATION — With effect from 2015-2016 admitted batch

ELECTIVE-I

1. PRINCIPLES OF PROGRAMMING LANGUAGES (PPL)
2. ADVANCED COMPUTER ARCHITECTURE (ACA)
3. FILE STRUCTURES
4. BIO INFORMATICS
5. COMPUTER GRAPHICS & MULTI MEDIA

MOOCS-I

1. BOOTSTRAP, JQUERY
2. ANGULAR JS
3. MOBILE APP DEVELOPMENT(Android)

MOOCS-II: (Un-audit)

1. UN STRUCTURED DATA BASE (NO-SQL)
2. TESTING TOOLS (LOAD RUNNER, BUGZILLA)
3. AJAX

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A): VISAKHAPATNAM

II-SEMESTER SCHEME OF INSTRUCTION & EXAMINATION

Branch: INFORMATION TECHNOLOGY

III/IV B.TECH (IT) (FOUR YEAR 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	Internal	Total	
CSE 3.2.1	DATA WAREHOUSING & DATA MINING	3	1	--	70	30	100	4
CSE 3.2.2	OBJECT ORIENTED SOFTWARE ENGINEEING	3	1	--	70	30	100	4
IT 3.2.3	MOOCS-III(AUDIT)	--	--	--	--	--	--	2
CSE 3.2.4	DESIGN AND ANALYSIS OF ALGORITHMS	3	1	--	70	30	100	4
IT 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 & NETWORK SECURITY	3	1	--	70	30	100	4
CSE 3.2.8	SOFTWARE ENGINEEING MINI PROJECT LAB	--	--	3	50	50	100	2
IT 3.2.9	COMPUTER GRAPHICS & MULTIMEDIA LAB	--	--	3	50	50	100	2
	TOTAL CREDITS							**30**

B.TECH (IT) 3rd YEAR II-SEMESTER SCEME OF INSTRUCTION AND EXMINATION
With effect from 2015-2016 admitted batch

ELECTIVE-II

1. Image Processing
2. Distributed Database Systems
3. E-Commerce
4. Mobile Computing
5. Soft Computing

MOOCS-III:

1. Asp,.Net
2. C#,Visual Basic
3. Python programming

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A): VISAKHAPATNAM

SEMESTER-WISE SCHEME OF INSTRUCTIONAND EXAMINATION

Branch: **INFORMATION TECHNOLOGY**

IV/IV B.TECH (IT) (FOUR YEAR 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
B.TECH (IT) 4th YEAR SEMESTER WISE SCHEME OF INSTRUCTION AND EXMINATION FOR ONE SEMESTER With effect from 2015-2016 Admitted Batch								
		Theory	Tutorial	Lab	Exam	Internal	Total	
CSE 4.1.1	EMBEDDED SYSTEMS	3	1	--	70	30	100	4
IT 4.1.2	CLOUD COMPUTING	3	1	--	70	30	100	4
IT 4.1.3	ELECTIVE-III	3	1	--	70	30	100	4
CSE 4.1.4	PRINCIPLES OF ECONOMICS AND MANAGEMENT	3	1	--	70	30	100	4
IT 4.1.5	MOOCS-IV(UN-AUDIT)	--	--	--	--	--	--	--
CSE 4.1.6	BIG DATA ANALYTICS	3	1	--	70	30	100	4
CSE 4.1.7	KNOWLEDGE ENGINEERING LAB	--	--	3	50	50	100	2
IT 4.1.8	NETWORK PROGRAMMING LAB	--	--	3	50	50	100	2
CSE 4.1.9	INTERNET OF THINGS LAB	--	--	3	50	50	100	2
	TOTAL CREDITS							26

ELECTIVE-III

1. Artificial Intelligence
2. Information Retrieval
3. Advanced Operating Systems
4. Software Project Management.
5. Cyber Security & Digital Forensics

MOOCS-IV

1. Virtualization (Vmware)
2. Ruby Programming Language
3. Testing Tools
4. Big Data Technologies

ANDHRA UNIVERSITY COLLEGE OF ENGINEERING (A): VISAKHAPATNAM

SEMESTER WISE SCHEME OF INSTRUCTION AND EXAMINATION

Branch: INFORMATION TECHNOLOGY

IV/IV B.TECH (IT) (FOUR YEAR 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	Internal	Total	
IT 4.2.1	PROJECT/THESIS WORK	--	--	--	50	50	100	14
	TOTAL CREDITS							**14**

B.TECH (IT) 4th YEAR SEMESTER-WISE SCEME OF INSTRUCTION AND EXMINATION With effect from 2015-2016 admitted batch