VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(Sponsored by Lavu Educational Society)
Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.
Kondapur (V), Ghatkesar (M), Medchal – Malkajgiri (D) – 501 301 Phone: +91 96529 10002/3

IV B.Tech I Semester

SUBJECT:CRYPTOGRAPHY AND NETWORK SECURITY(CS701PC)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy Levels
CS701PC.1	Student will be able to understand basic cryptographic algorithms, message and web authentication and security issues.	2
CS701PC.2	Ability to identify information system requirements for both of them such as client and server.	2
CS701PC.3	Ability to understand the current legal issues towards information security.	1
CS701PC.4	Analyze and design hash and MAC algorithms, and digital signatures.	4
CS701PC.5	Understand and analyze data encryption standard.	2

MAPPING

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS701PC.1	3	2	2	1	1	1			1	1	2	2	1	1	
CS701PC.2	2	2	2		2		1	1			1	2		2	1
CS701PC.3	2	2	3	2		1			2	1	2	2	1	2	2
CS701PC.4	2	2	2	2	2					1	2	2		1	2
Average	2.2	2.0	2.4	1.5	1.5	1.0	1.0	1.0	1.3	1.0	2.0	2.0	1.0	1.4	1.5

![Vignan's Institute of Management and Technology for Women]
VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN
(Sponsored by Lavu Educational Society)
Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.
Kondapur (V), Ghatkesar (M), Medchal – Malkajgiri (D) – 501 301 Phone: +91 96529 10002/3

IV B.Tech I Semester

SUBJECT:COMPILER DESIGN (CS702PC)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy Levels
CS702PC.1	Demonstrate the ability to design a compiler given a set of language features.	1
CS702PC.2	Demonstrate the knowledge of patterns, tokens & regular expressions for lexical analysis.	1
CS702PC.3	Acquire skills in using lex tool & yacc tool for developing a scanner and parser.	2
CS702PC.4	Design and implement LL and LR parsers	6
CS702PC.5	Design algorithms to do code optimization in order to improve the performance of a program in terms of space and time complexity	6
CS702PC.6	Design algorithms to generate machine code.	6

MAPPING

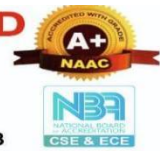| COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS602PC.1	3	2	1	2	2	1			1	2	1	2	1	2	2
CS602PC.2	3	2	2	2	3				2	2	1	2	1	2	1
CS602PC.3	2	2	2	1	3	1			2	2	1	3	3	2	1
CS602PC.4	2	2	1		1		1		1						
CS602PC.5	2	1	1		1						1		2		1
CS602PC.6	2	2	2	1	3	1			2	2	1	3	3	2	1
AVERAGE	2.4	2	1.4	1.67	2.25	1	1.5	1	1.5	2	1	2.33	1.67	2	1.25

SUBJECT: CLOUD COMPUTING(CS744PE)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy Levels
CS744PE.1	Understand different computing paradigms and potential of the paradigms and specifically cloud computing	2
CS744PE.2	Understand cloud service types, cloud deployment models and technologies supporting and driving the cloud	2
CS744PE.3	Acquire the knowledge of programming models for cloud and development of software application that runs the cloud and various services available from major cloud providers	3
CS744PE.4	Understand the security concerns and issues in cloud computing	2
CS744PE.5	Acquire the knowledge of advances in cloud computing.	3

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS744PE.1	2	2	2	2	1		1			2	1	3	3	2	1
CS744PE.2	3	3	3	3	3	1			2	2		3	3	3	1
CS744PE.3	3	3	3	3	3				3	2	1	3	3	3	1
CS744PE.4	3	3	3	3	3			1	3	2		3	3	3	1
CS744PE.5		3	3	3	3	3			1	3	2		3	3	3
AVERAGE	2.8	2.8	2.8	2.8	2.6	1	1	1	2.5	1.8	1	3	3	2.6	1

![Vignan's Institute of Management and Technology for Women]

VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN
(Sponsored by Lavu Educational Society)
Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.
Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) – 501 301 Phone: +91 96529 10002/3

IV B.Tech I Semester

SUBJECT: SOFTWARE PROCESS & PROJECT MANAGEMENT (CS755PE)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy Levels
CS755PE.1	Understand the software process change, assessment, project plans and Quality Standards.	1
CS755PE.2	Examine the life cycle phases, artifacts, workflows and checkpoints of a process.	1
CS755PE.3	Design and develop software products using conventional and modern principles of software project management.	2
CS755PE.4	Identify the new project management process and practices.	1
CS755PE.5	Designs and develops a software product using conventional and modern principles of software project management.	2

MAPPING

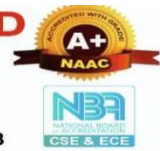| COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS755PE.1	3		3		3				2	2	2	1	1	2	2
CS755PE.2	1	1		2	2	1			1	2	3	1	2	3	3
CS755PE.3	2	3	2	2		1			1		2		3	2	2
CS755PE.4	2	2			3	1		1				2	1	3	2
CS755PE.5	2		3	1	3		1		2	1	2		3	2	2
AVERAGE	2.0	2.0	2.7	1.7	2.8	1.0	1.0	1.0	1.5	1.7	2.3	1.3	2.0	2.4	2.2

IV B.Tech I Semester

SUBJECT: DATABASE MANAGEMENT SYSTEMS(CS611OE)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy Levels
CS611OE.1	Gain knowledge of fundamentals of DBMS, database design and normal forms	1
CS611OE.2	Master the basics of SQL for retrieval and management of data.	3
CS611OE.3	Be acquainted with the basics of transaction processing and concurrency control.	4
CS611OE.4	Familiarity with database storage structures and access techniques	2
CS611OE.5	Formulate SQL queries and integrity constraints over relations	4

MAPPING

COURSECODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS611OE.1	3	2	2	1	1				1	2		2	2	2	2
CS611OE.2	2	3	2	2	1				2	2		2	2	2	2
CS611OE.3	2	2	2	3	2	1	1		1	1		2	2	2	2
CS611OE.4	2	3	2	2	1	1		1	2	2	3	3	2	1	3
CS611OE.5	3	3	2	3	3	1			2	2	3	3	2	1	3
AVERAGE	2.4	2.6	2	2.2	1.6	1	1	1	1.6	1.8	3	2.4	2	1.6	2.4

IV B.Tech I Semester

SUBJECT:CRYPTOGRAPHY AND NETWORK SECURITY LAB(CS703PC)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy Levels
CS703PC.1	Understand basic cryptographic algorithms, message and web authentication and security issues.	2
CS703PC.2	Identify information system requirements for both of them such as client and server.	3
CS703PC.3	Understand the current legal issues towards information security.	2
CS703PC.4	To understand various protocols for network security to protect against the threats in the networks.	2

MAPPING

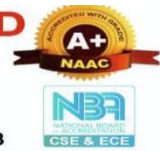| COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS703PC.1	2	2	2	2	1		1			2	1	3	3	2	1
CS703PC.2	3	3	3	3	3	1			2	2		3	3	3	1
CS703PC.3	3	3	3	3	3				3	2	1	3	3	3	1
CS703PC.4	3	3	3	3	3			1	3	2		3	3	3	1
AVERAGE	2.8	2.8	2.8	2.8	2.6	1	1	1	2.5	1.8	1	3	3	2.6	1

IV B.Tech I Semester

SUBJECT:COMPILER DESIGN LAB(CS704PC)

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy Levels
CS704PC.1	Design, develop, and implement a compiler for any language.	3
CS704PC.2	Use lex and yacc tools for developing a scanner and a parser.	3
CS704PC.3	Design and implement LL and LR parsers.	4
CS704PC.4	Use lex and yacc tools for developing a scanner and a parser.	5
CS704PC.5	Able to design and implement LL and LR parsers	2

MAPPING

COURSECODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS704PC.1	2	2	3		2			1	1	2	3	2	3	2	2
CS704PC.2	3	3	2		1	1			1	1	3	2	2	3	3
CS704PC.3	2	1	3	3	1	1	1		3	2	2	1	2	3	2
CS704PC.4	3	1	2	2	2	1			3	1	1	2	2	2	3
CS704PC.5	2	3	3	1	3	1	1		2	1	1	2	2	2	3
AVERAGE	2.4	2	2.6	2	1.8	1	1	1	2	1.4	2	1.8	2.2	2.4	2.6

IV B.Tech I Semester

SUBJECT: PROJECT STAGE 1 - CS705PC

Upon completion of the course the students get an idea of:

Course Code	Course Outcome	Bloom's Taxonomy Levels
CS705PC.1	Identify technically and economically feasible problems of social relevance	3
CS705PC.2	Plan and build the project team with assigned responsibilities	5
CS705PC.3	Identify and survey the relevant literature for getting exposed to related solutions	4
CS705PC.4	Analyse, design and develop adaptable and reusable solutions of minimal complexity by using modern tools	5
CS705PC.5	Implement and test solutions to trace against the user requirements	4

MAPPING

COURSE CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS705PC.1	3	2	2	1		2			2	2	2	1	1	2	3
CS705PC.2	3	3	3	3	2		1		2	2	2	1	3	3	2
CS705PC.3	2	3	3	2	2	1		1	2		2		3		3
CS705PC.4	2	3	3		2	1				2	2		2	2	3
CS705PC.5	2	3	3	2					2	2		1		3	3
AVERAGE	2.4	2.8	2.8	2.0	2.0	1.3	1.0	1.0	2.0	2.0	2.0	1.0	2.3	2.5	2.8