



# 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 TS INDIA

Phone: +08615 200006/07/08

Email: info@vmtw.in

## Department of Computer Science and Engineering

### III Year-II Semester

<b>COURSE: Compiler Design _ CS601PC</b>	
<b>Subject Code</b>	<b>Course Outcomes</b>
<b>CS601PC.1</b>	Explain different translators and acquire knowledge of compiler & its Phases
<b>CS601PC.2</b>	Identify formal grammars for specifying the syntax and Semantics of programming languages
<b>CS601PC.3</b>	Construct parse table for a given grammar using different parsing techniques
<b>CS601PC.4</b>	Generate symbol table and intermediate code for a given program
<b>CS601PC.5</b>	Apply code optimization techniques to improve the performance of a program and Identify tools to construct the machine independent code

### Mapping

<b>CO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>COAverage</b>
<b>CS601PC.1</b>	1	2	2	2	2	2	1	1	1	1	0	1	<b>1.34</b>
<b>CS601PC.2</b>	1	2	2	2	2	1	1	1	1	1	0	1	<b>1.25</b>
<b>CS601PC.3</b>	2	2	2	2	2	2	1	1	1	1	0	1	<b>1.42</b>
<b>CS601PC.4</b>	2	2	2	2	2	1	1	1	1	1	0	1	<b>1.34</b>
<b>CS601PC.5</b>	2	2	2	2	2	2	1	1	1	1	0	1	<b>1.42</b>
<b>PO Average</b>	1.6	2	2	2	2	1.6	1	1	1	1	0	1	1.36



# 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 TS INDIA  
Phone: +08615 200006/07/08 Email: info@vmtw.in

## Department of Computer Science and Engineering

### III Year-II Semester

<b>COURSE: Web Technologies _CS602PC</b>	
<b>Subject Code</b>	<b>Course Outcomes</b>
<b>CS602PC.1</b>	Design dynamic web applications using PHP
<b>CS602PC.2</b>	Develop JavaScript code for data validation
<b>CS602PC.3</b>	Integrate frontend and backend technologies in client0server systems
<b>CS602PC.4</b>	Demonstrate Servlet life cycle methods
<b>CS602PC.5</b>	Design dynamic web applications using JSP AND Demonstrate database connectivity for developing web applications

### Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
<b>CS602PC.1</b>	1	2	3	1	2	1	1	1	2	2	2	1	1.58
<b>CS602PC.2</b>	2	2	3	3	2	1	1	3	2	2	2	1	2
<b>CS602PC.3</b>	1	2	2	3	2	1	1	1	2	2	2	1	1.67
<b>CS602PC.4</b>	2	2	3	3	2	1	1	3	2	2	2	1	2
<b>CS602PC.5</b>	1	2	3	3	3	0	0	2	2	2	2	1	1.75
<b>PO Average</b>	1.4	2	2.8	2.6	2.2	0.8	0.8	2	2	2	2	1	1.8



# 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 TS INDIA  
Phone: +08615 200006/07/08 Email: info@vmtw.in

## Department of Computer Science and Engineering

### III Year-II Semester

COURSE: Cryptography and Network Security _ CS604PC	
Subject Code	Course Outcomes
CS604PC .1	Understand theory of fundamental cryptography, encryption and decryption algorithms
CS604PC .2	Understand the symmetric and public key cryptographic algorithms
CS604PC .3	Explain the various authentication applications
CS604PC .4	Comprehend different mechanisms related to network security
CS604PC .5	Interpret the functionalities of IP Security .and Describe the functionalities of firewalls

### Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS603PC .1	1	1	1	1	2	2	1	1	1	1	1	1	1.17
CS603PC .2	1	2	1	2	2	2	1	1	2	2	1	1	1.5
CS603PC .3	1	2	2	1	3	3	1	1	2	2	1	1	1.67
CS603PC .4	1	3	2	1	2	2	1	1	3	3	1	1	1.75
CS603PC .5	1	3	2	2	2	2	1	1	3	3	1	1	1.84
PO Average	1	2.2	1.6	1.4	2.2	2.2	1	1	2.2	2.2	1	1	1.59



# 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 TS INDIA  
Phone: +08615 200006/07/08 Email: info@vmtw.in

## Department of Computer Science and Engineering

### III Year-II Semester

<b>COURSE: Design Patterns_ CS612PE</b>	
<b>Subject Code</b>	<b>Course Outcomes</b>
<b>CS612PE.1</b>	Construct a design consisting of a collection of modules
<b>CS612PE.2</b>	Exploit wellknown design patterns (such as Iterator, Observer, Factory and Visitor)
<b>CS612PE.3</b>	Express the appropriate roles of sub typing and inheritance, and use them effectively.
<b>CS612PE.4</b>	Ability to understand and apply common design patterns to incremental/iterative development.
<b>CS612PE.5</b>	Ability to identify appropriate patterns for design of given problem and apply the software development concepts, abilities, and skills, from analyzing a problem for implementing a solution.

### Mapping

<b>CO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>Average</b>
<b>CS612PE.1</b>	2	2	3	1	3	3	0	0	1	1	1	1	1.5
<b>CS612PE.2</b>	2	2	3	1	3	3	0	0	1	1	1	1	1.5
<b>CS612PE.3</b>	2	2	2	1	3	3	0	0	1	1	1	1	1.42
<b>CS612PE.4</b>	2	2	2	1	3	3	0	0	1	1	1	1	1.42
<b>CS612PE.5</b>	0	2	2	1	3	3	0	0	1	1	1	1	1.25
<b>Average</b>	1.6	2	2.4	1	3	3	0	0	1	1	1	1	1.42



# 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 TS INDIA

Phone: +08615 200006/07/08

Email: info@vmtw.in

## Department of Computer Science and Engineering

### III Year-II Semester

<b>COURSE: Artificial Neural Networks _MT622OE</b>	
<b>Subject Code</b>	<b>Course Outcomes</b>
<b>MT622OE.1</b>	Describe fundamental concepts of biological and artificial neurons
<b>MT622OE.2</b>	Use various ANN learning algorithms
<b>MT622OE.3</b>	Describe functional aspects of single layer perceptron
<b>MT622OE.4</b>	Employ multilayer perceptron for back propagation algorithms
<b>MT622OE.5</b>	Describe functionalities of RBF and SOM network

### Mapping

<b>CO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>CO Average</b>
MT622OE.1	1	1	1	1	1	1	0	0	1	1	1	1	0.83
MT622OE.2	1	1	1	1	2	1	0	0	0	0	2	2	0.92
MT622OE.3	2	1	1	1	1	0	1	1	1	1	2	3	1.25
MT622OE.4	1	1	1	1	1	1	0	0	0	0	1	1	0.67
MT622OE.5	2	1	2	1	1	1	0	0	1	0	1	1	0.92
<b>PO Average</b>	1.4	1	1.2	1	1.2	0.8	0.2	0.2	0.6	0.4	1.4	1.6	0.92



# 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 - Malkajiri (D) - 501 301 TS INDIA

Phone: +08615 200006/07/08

Email: info@vmtw.in

## Department of Computer Science and Engineering

### III Year-II Semester

COURSE: Web Technologies Lab _ CS605PC	
Subject Code	Course Outcomes
CS605PC .1	Design dynamic web applications using PHP
CS605PC .2	Develop JavaScript code for data validation
CS605PC .3	Integrate frontend and backend technologies in client0server systems
CS605PC .4	Demonstrate Servlet life cycle methods
CS605PC .5	Design dynamic web applications using JSP Demonstrate database connectivity for developing web applications

### Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	CO Average
CS605PC .1	1	2	3	1	2	1	1	1	2	2	2	1	1.59
CS605PC .2	2	2	3	3	2	1	1	3	2	2	2	1	2
CS605PC .3	1	2	2	3	2	1	1	1	2	2	2	1	1.67
CS605PC .4	2	2	3	3	2	1	1	3	2	2	2	1	2
CS605PC .5	1	2	3	3	3	0	0	2	2	2	2	1	1.75
PO Average	1.4	2	2.8	2.6	2.2	0.8	0.8	2	2	2	2	1	1.81



# 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 TS INDIA  
Phone: +08615 200006/07/08 Email: info@vmtw.in

## Department of Computer Science and Engineering

### III Year-II Semester

<b>COURSE: Advance English Communication Skills Lab _EN606HS</b>	
<b>Subject Code</b>	<b>Course Outcomes</b>
<b>EN606HS.1</b>	Communicate confidently in formal and informal contexts
<b>EN606HS.2</b>	Accomplishment of sound vocabulary and its proper use contextually
<b>EN606HS.3</b>	Flair in Writing and felicity in written expression.
<b>EN606HS.4</b>	Enhanced job prospects.
<b>EN606HS.5</b>	Effective Speaking Abilities and Enhance in effective Listening skills

### Mapping

<b>CO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>	<b>CO Average</b>
<b>EN606HS.1</b>	0	1	0	1	1	2	3	3	2	3	3	3	1.83
<b>EN606HS.2</b>	0	1	0	1	1	2	1	2	1	2	2	1	1.17
<b>EN606HS.3</b>	3	1	1	1	0	3	1	3	3	3	3	3	2.08
<b>EN606HS.4</b>	0	0	1	0	2	1	1	2	2	3	2	2	1.33
<b>EN606HS.5</b>	0	0	0	1	1	1	1	1	0	1	1	1	0.67
<b>PO Average</b>	0.6	0.6	0.4	0.8	1	1.8	1.4	2.2	1.6	2.4	2.2	2	1.42