



# VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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## Sample Course Outcomes and its mapping with POs and PSOs

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### Sample Course Outcomes

<b>Course: SIGNALS AND SYSTEMS (C206)</b>		
<b>Department: ECE</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
C206.1	Formulate a given arbitrary signal in terms of complete set of orthogonal functions.	5
C206.2	Express periodic signals in terms of Fourier series.	2
C206.3	Extrapolate the filter characteristics of a system.	4
C206.4	Evaluate a system response using Laplace transform properties.	6
C206.5	Establish the relation between Fourier and Laplace transforms.	5

<b>Course: DIGITAL SIGNAL PROCESSING (C316)</b>		
<b>Department: ECE</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
C316.1	Understand LTI system characteristics and Multirate signal processing.	1
C316.2	Represent inter-relationship between DFT and various transforms.	2
C316.3	Design a digital IIR filter for a given specification.	5
C316.4	Design a digital FIR filter for a given specification.	5
C316.5	Acknowledge the significance of various filter structures and effects of round off errors.	2



  
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<b>Course: MICROPROCESSORS AND MICROCONTROLLERS (C313)</b>		
<b>Department: ECE</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
C313.1	Understand the principle of operation of Intel 8086 microprocessor	1
C313.2	Execute assembly language programs on Intel 8086 including ascending order and descending order of data, string operations	3
C313.3	Integrate Intel 8086 processor with 8255, DMA controller, Intel 8259, USART to develop the microprocessor based system	5
C313.4	Develop and run program of Intel 8051 microcontroller	5
C313.5	Analyze architecture and interrupt structure of RISC microcontrollers	4

<b>Course : MICROWAVE ENGINEERING (C402)</b>		
<b>Department: ECE</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
C402.1	Calculate cut off frequency, identify possible modes and obtain mode characteristics	4
C402.2	Understand the principle of operation of waveguides, tuning screws, attenuators etc;	1
C402.3	Construct scattering matrix for various junctions, and will excel in measuring the microwave parameters.	5
C402.4	Describe the basics of microwave solid state devices such as Gunn diode and Avalanche Devices	2
C402.5	Categorize the IMPATT, TRAPATT diodes and efficiently use them in microwave engineering applications	4



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<b>Course : DATA STRUCTURES (ITC202)</b>		
<b>Department: IT</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
ITC202.1	Develop a program using linear data structures such as array and circular queue	3
ITC202.2	Develop a program for basic operations of Stack and its applications	3
ITC202.3	Construct a program using Non-linear data structures and their applications such as trees and graphs	3
ITC202.4	Construct a program using linear data structures for Linked Lists	3
ITC202.5	Ability to Implement searching and sorting algorithms	3

<b>Course : OBJECT ORIENTATION PROGRAMMING USING C++ (ITC205)</b>		
<b>Department: IT</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
ITC205.1	Identify the difference between structured program and procedure-oriented program	1
ITC205.2	Develop programs for file handling	2
ITC205.3	Implementing the concepts of Exceptions Handling in programming, Apply the concepts of inheritance	3
ITC205.4	Develop applications for a range of problems using object-oriented Programming techniques.	2
ITC205.5	Encapsulation of data in virtual functions.	3



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<b>Course : FLAT(ITC301)</b>		
<b>Department: IT</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
ITC301.1	Apply the concepts of probability and distributions to some case studies. Apply the concepts of discrete probability distributions.	3
ITC301.2	Apply the concepts of continuous probability distributions.	3
ITC301.3	Assess the sampling theory and making inferences.	5
ITC301.4	Correlate the material of one unit to the material in other units.	2
ITC301.5	Resolve the potential misconceptions and hazards in each topic of study.	1

<b>Course : INFORMATION SECURITY - ( ITC401)</b>		
<b>Department: IT</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
ITC401.1	Differentiate network security and computer security.	3
ITC401.2	Understand various attacks on network.	1
ITC401.3	Understand various conventional cryptography algorithms and asymmetric encryption algorithms.	4
ITC401.4	Expertise in Message authentication, Hash function and Public key encryption.	5
ITC401.5	Remembering requirements for web security and implementing security through SSL/TLS.	2



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<b>Course : DATA STRUCTURES (AIC202)</b>		
<b>Department: AIML</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
AIC202.1	Develop a program using linear data structures such as array and circular queue	3
AIC202.2	Develop a program for basic operations of Stack and its applications	3
AIC202.3	Construct a program using Non-linear data structures and their applications such as trees and graphs	3
AIC202.4	Construct a program using linear data structures for Linked Lists	3
AIC202.5	Ability to Implement searching and sorting algorithms	3

<b>Course : SOFTWARE ENGINEERING (AIC211)</b>		
<b>Department: AIML</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course the student will		
AIC211.1	Outline the framework activities for a given project.	1
AIC211.2	Examine Right process model for a given project.	2
AIC211.3	Analyze various system models for a given Context	3
AIC211.4	Understand various testing techniques for a given project.	5
AIC211.5	Identify various risks in project development.	5



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<b>Course : COMPUTER ORIENTED STATISTICAL METHODS (MA303BS)</b>		
<b>Department: CSE</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
Upon completion of the course the students get an idea of		
MA303BS.1	Apply the concepts of probability and distributions to some case studies. Apply the concepts of discrete probability distributions.	3
MA303BS.2	Apply the concepts of continuous probability distributions.	3
MA303BS.3	Assess the sampling theory and making inferences.	5
MA303BS.4	Correlate the material of one unit to the material in other units.	2
MA303BS.5	Resolve the potential misconceptions and hazards in each topic of study.	1

<b>Course : WEB TECHNOLOGIES (CS504PC)</b>		
<b>Department: CSE</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course, the student got a thorough knowledge on		
CS504PC.1	Design web pages.	6
CS504PC.2	Use technologies of Web Programming.	3
CS504PC.3	Apply object-oriented aspects to Scripting.	3
CS504PC.4	Create databases with connectivity using JDBC	6
CS504PC.5	Build web-based application using sockets.	6



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**Course : CLOUD COMPUTING (CS714PE)****Department: CSE**

Course Code	Course Outcome	BT Level
Upon completion of the course the students get an idea of:		
CS714PE.1	Ability to understand various computing paradigm	2
CS714PE.2	Ability to understand various cloud fundamentals & principals	2
CS714PE.3	Ability to understand various service delivery models of a cloud computing architecture	5
CS714PE.4	Ability to understand the ways in which the cloud can be programmed and deployed.	4
CS714PE.5	Ability to Understanding cloud service providers.	3

**Course : APPLIED PHYSICS (PH102BS)****Department: BSH**

Course Code	Course Outcome	BT Level
After going through this course, the student will be able to		
PH102BS.1	Understand physical world from fundamental point of view by the concepts of Quantum mechanics and visualize the difference between conductor, semiconductor, and an insulator by classification of solids.	1
PH102BS.2	Identify the role of semiconductor devices in science and engineering Applications.	1,3
PH102BS.3	Explore the fundamental properties of dielectric, magnetic materials and energy for their applications.	1
PH102BS.4	Appreciate the features and applications of Nanomaterials.	2
PH102BS.5	Understand various aspects of Lasers and Optical fiber and their applications in diverse fields.	1



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<b>Course : ENGINEERING CHEMISTRY (CH102BS)</b>		
<b>Department: BSH</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course, the student will be able to		
CH102BS.1	Understand the basic properties of water and its usage in domestic and industrial purposes.	1,2
CH102BS.2	Acquire the basic knowledge of electrochemical procedures related to corrosion and its control	1,2
CH102BS.3	Learn the fundamentals and general properties of polymers and other engineering materials	3
CH102BS.4	Predict potential applications of chemistry and practical utility in order to become good engineers and entrepreneurs.	1
CH102BS.5	Learn the fundamentals and general properties of engineering materials	3

<b>Course : ENGLISH (EN205HS)</b>		
<b>Department: BSH</b>		
<b>Course Code</b>	<b>Course Outcome</b>	<b>BT Level</b>
After going through this course, the student gets a thorough knowledge on		
EN205HS.1	Use English Language Effectively in Spoken and Written Forms.	3
EN205HS.2	Comprehend the given text and respond appropriately.	2
EN205HS.3	Communicate confidently in formal and informal contexts.	4
EN205HS.4	Acquire basic proficiency in English including reading and listening comprehension, writing and speaking skills.	6
EN205HS.5	The vocabulary skills of the students will be developed to guess the meanings of the words in different contexts and finally in grasping the overall message of the text.	6



  
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Sample CO-PO matrices

Course: SIGNALS AND SYSTEMS (C206)												
Department: ECE												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C206.1	3	3	2	3	1	1	1	-	-	1	-	-
C206.2	3	1	2	3	1	1	-	-	-	1	1	1
C206.3	2	3	3	2	1	2	-	-	1	1	1	1
C206.4	2	2	3	2	2	1	-	1	-	2	-	-
C206.5	3	2	3	3	2	1	-	-	-	2	1	-
<b>Average</b>	<b>2.6</b>	<b>2.2</b>	<b>2.6</b>	<b>2.6</b>	<b>1.4</b>	<b>1.2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1.4</b>	<b>1</b>	<b>1</b>

Course: DIGITAL SIGNAL PROCESSING (C316)												
Department: ECE												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C316.1	3	2	3	3	2	1	-	-	-	2	2	3
C316.2	3	2	3	3	2	1	-	-	-	2	2	3
C316.3	1	3	3	2	2	1	1	-	-	3	2	3
C316.4	3	2	3	3	2	1	-	-	1	2	2	3
C316.5	3	2	3	3	2	1	-	1	-	2	2	3
<b>Average</b>	<b>3</b>	<b>2.2</b>	<b>3</b>	<b>2.8</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2.2</b>	<b>2</b>	<b>3</b>

Course: MICROPROCESSORS AND MICROCONTROLLERS (C313)												
Department: ECE												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C313.1	3	3	2	2	2	1	1	-	2	1	1	1
C313.2	3	3	2	1	2	1	-	1	2	1	1	2
C313.3	2	3	2	2	1	2	1	-	1	2	-	1
C313.4	3	3	3	1	2	1	-	-	1	1	2	2
C313.5	3	2	2	2	2	1	1	-	2	2	1	-
<b>Average</b>	<b>2.8</b>	<b>2.8</b>	<b>2.2</b>	<b>1.6</b>	<b>1.8</b>	<b>1.2</b>	<b>1</b>	<b>1</b>	<b>1.6</b>	<b>1.4</b>	<b>1.2</b>	<b>1.5</b>



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**Course: MICROWAVE ENGINEERING (C402)**  
**Department: ECE**

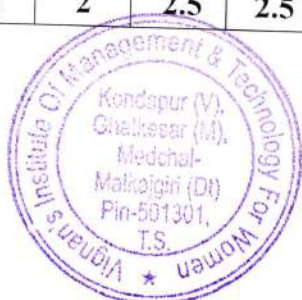
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C402.1	3	2	3	2	2	1	1	-	1	1	1	-
C402.2	3	3	3	2	3	2	1	-	1	2	-	1
C402.3	2	3	2	3	2	1	1	1	-	-	-	-
C402.4	3	2	3	2	3	1	2	-	1	1	1	-
C402.5	3	3	3	2	3	1	1	-	1	-	-	-
<b>Average</b>	<b>2.8</b>	<b>2.6</b>	<b>2.8</b>	<b>2.2</b>	<b>2.6</b>	<b>1.2</b>	<b>1.2</b>	<b>1</b>	<b>1</b>	<b>1.3</b>	<b>1</b>	<b>1</b>

**Course: DATA STRUCTURES (ITC202)**  
**Department: IT**

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
ITC202.1	3	2	1	1	-	2	1	2	1	3	-	1
ITC202.2	3	2	1	1	2	-	1	-	1	-	2	1
ITC202.3	3	2	1	1	-	2	-	2	2	3	2	1
ITC202.4	3	2	1	1	2	-	1	1	2	-	-	1
ITC202.5	3	2	1	1	2	3	2	1		1	1	1
<b>Average</b>	<b>3.0</b>	<b>2.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.2</b>	<b>1.4</b>	<b>1</b>	<b>1.2</b>	<b>1.2</b>	<b>1.4</b>	<b>1</b>	<b>1.0</b>

**Course : OBJECT ORIENTATION PROGRAMMING USING C++ (ITC205)**  
**Department: IT**

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
ITC205.1	3	2	3	2	2	-	1	1	1	1	-	2
ITC205.2	3	2	2	2	2	2	1	1	1	-	-	2
ITC205.3	3	2	3	3	3	-	-	2	2	2	3	-
ITC205.4	3	2	2	3	3	3	2	1	-	2	1	1
ITC205.5	3	2	3	2	3	2	1	1	1	-	3	-
<b>Average</b>	<b>3</b>	<b>2</b>	<b>2.5</b>	<b>2.5</b>	<b>2.6</b>	<b>1.2</b>	<b>1</b>	<b>1.2</b>	<b>1</b>	<b>1</b>	<b>1.4</b>	<b>1</b>



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<b>Course : FLAT(ITC301)</b>												
<b>Department: IT</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
ITC301.1	3	2	3	1	3	1	2	1	1	2	1	2
ITC301.2	3	2	2	2	1	1	2	2	2	1	2	2
ITC301.3	3	2	3	1	2	2	1	2	2	2	3	2
ITC301.4	3	2	2	2	1	2	1	1	1	2	1	1
ITC301.5	3	2	3	3	1	1	3	1	1	1	3	1
<b>Average</b>	<b>3</b>	<b>2</b>	<b>2.5</b>	<b>1.2</b>	<b>1.4</b>	<b>0.8</b>	<b>1.2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1.4</b>	<b>1</b>

<b>Course : INFORMATION SECURITY - ( ITC401)</b>												
<b>Department: IT</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
ITC401.1	3	3	3	1	2	-	2	-	1	2	1	2
ITC401.2	3	3	3	1	2	2	3	3	2	2	1	3
ITC401.3	3	3	3	2	2	2	1	3	2	1	1	3
ITC401.4	2	3	3	1	1	1	1	2	1	1	1	2
ITC401.5	3	3	3	2	1	1	-	2	2	3	1	3
<b>Average</b>	<b>2.8</b>	<b>3</b>	<b>3</b>	<b>1.4</b>	<b>1.6</b>	<b>1.2</b>	<b>1.4</b>	<b>2</b>	<b>1.6</b>	<b>1.8</b>	<b>1</b>	<b>2.6</b>

<b>Course : DATA STRUCTURES (AIC202)</b>												
<b>Department: AIML</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
AIC202.1	3	2	1	1	-	2	1	2	1	3	-	1
AIC202.2	3	2	1	1	2	-	1	-	1	-	2	1
AIC202.3	3	2	1	1	-	2	-	2	2	3	2	1
AIC202.4	3	2	1	1	2	-	1	1	2	-	-	1
AIC202.5	3	2	1	1	2	3	2	1	-	1	1	1
<b>Average</b>	<b>3.0</b>	<b>2.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.2</b>	<b>1.4</b>	<b>1</b>	<b>1.2</b>	<b>1.2</b>	<b>1.4</b>	<b>1</b>	<b>1.0</b>

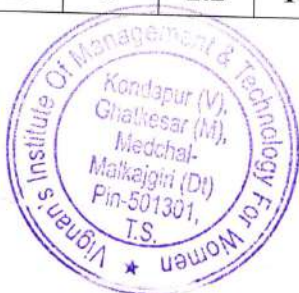


  
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<b>Course : SOFTWARE ENGINEERING (AIC211)</b>												
<b>Department: AIML</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
AIC211.1	3	3	3	1	2	3	2	2	1	2	1	2
AIC211.2	2	3	3	2	2	1	1	3	2	2	1	3
AIC211.3	2	3	3	2	2	-	1	2	2	1	1	3
AIC211.4	2	2	3	3	3	2	-	2	2	-	1	2
AIC211.5	3	3	3	2	2	1	2	-	2	1	1	3
<b>Average</b>	<b>2.8</b>	<b>2.8</b>	<b>3</b>	<b>2</b>	<b>2.2</b>	<b>1.4</b>	<b>1.2</b>	<b>1.8</b>	<b>1.8</b>	<b>0.8</b>	<b>1.2</b>	<b>2.6</b>

<b>Course : COMPUTER ORIENTED STATISTICAL METHODS (MA303BS)</b>												
<b>Department: CSE</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
MA303BS.1	3	2	3	-	3	1	-	1	1	-	-	2
MA303BS.2	3	2	2	2	-	-	2	-	2	1	-	2
MA303BS.3	3	2	3	1	2	2	-	2	-	2	3	-
MA303BS.4	3	2	2	-	1	-	1	1	1	2	1	1
MA303BS.5	3	2	3	3	1	1	3	1	1	-	3	-
<b>Average</b>	<b>3</b>	<b>2</b>	<b>2.6</b>	<b>2</b>	<b>1.75</b>	<b>1.33</b>	<b>2</b>	<b>1.25</b>	<b>1.25</b>	<b>1.67</b>	<b>2.33</b>	<b>1.67</b>

<b>Course : WEB TECHNOLOGIES (CS504PC)</b>												
<b>Department: CSE</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CS504PC.1	2	3	2	2	2	2	1	2	2	2	2	1
CS504PC.2	3	3	2	2	2	2	1	2	2	3	2	1
CS504PC.3	3	3	2	1	2	1	1	1	2	3	3	1
CS504PC.4	3	3	2	2	2	3	1	1	2	1	3	1
CS504PC.5	3	3	3	1	3	3	-	3	2	1	2	-
<b>Average</b>	<b>2.8</b>	<b>3</b>	<b>2.2</b>	<b>1.6</b>	<b>2.2</b>	<b>2.2</b>	<b>1</b>	<b>1.8</b>	<b>2</b>	<b>2</b>	<b>2.4</b>	<b>1</b>



  
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<b>Course : CLOUD COMPUTING (CS714PE)</b>												
<b>Department: CSE</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CS714PE.1	3	3	2	2	2	1	1	1	2	2	1	1
CS714PE.2	3	3	2	2	2	1	1	1	2	2	1	1
CS714PE.3	3	3	2	2	2	1	1	1	2	2	2	1
CS714PE.4	3	3	3	3	3	1	1	1	3	3	3	1
CS714PE.5	2	2	3	3	3	1	2	3	3	3	2	-
<b>Average</b>	<b>2.8</b>	<b>2.8</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>1</b>	<b>1.2</b>	<b>1.4</b>	<b>2.4</b>	<b>2.4</b>	<b>1.8</b>	<b>1</b>

<b>Course : APPLIED PHYSICS (PH102BS)</b>												
<b>Department: BSH</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
PH102BS.1	3	3	3	3	2	-	2	1	-	-	-	1
PH102BS.2	3	3	3	3	2	-	2	1	-	-	-	1
PH102BS.3	3	3	3	3	2	-	2	1	-	-	-	1
PH102BS.4	3	3	3	3	2	-	2	1	-	-	-	1
PH102BS.5	3	3	3	3	2	-	2	1	-	-	-	1
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>

<b>Course : ENGINEERING CHEMISTRY (CH102BS)</b>												
<b>Department: BSH</b>												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CH102BS.1	2	1	1	1	1	-	-	-	1	1	2	3
CH102BS.2	1	1	1	1	1	3	3	3	-	1	1	1
CH102BS.3	1	3	3	1	3	2	-	-	1	1	1	1
CH102BS.4	2	1	1	1	2	3	-	-	-	2	1	2
CH102BS.5	3	3	2	3	3	3	-	-	1	2	3	2
<b>Average</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>1.4</b>	<b>2</b>	<b>2.7</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>1.4</b>	<b>1.6</b>	<b>1.8</b>



  
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Course : ENGLISH (EN205HS)												
Department: BSH												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
EN205HS.1	-	1	-	1	1	2	3	3	2	3	3	3
EN205HS.2	-	1	-	1	1	2	1	2	1	2	2	1
EN205HS.3	3	1	1	1	-	3	1	3	3	3	3	3
EN205HS.4	-	-	1	-	2	1	1	2	2	3	2	2
EN205HS.5	-	-	-	1	1	1	1	1	-	1	1	1
<b>Average</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1.2</b>	<b>1.8</b>	<b>1.4</b>	<b>2.2</b>	<b>2</b>	<b>2.4</b>	<b>2.2</b>	<b>2</b>



  
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**Sample CO-PSO matrices**

<b>Course: SIGNALS AND SYSTEMS (C206)</b>			
<b>Department: ECE</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
C206.1	2	2	1
C206.2	2	2	1
C206.3	3	1	-
C206.4	2	1	-
C206.5	3	1	1
<b>Average</b>	<b>2.4</b>	<b>1.4</b>	<b>1</b>

<b>Course: DIGITAL SIGNAL PROCESSING (C316)</b>			
<b>Department: ECE</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
C316.1	3	3	1
C316.2	2	3	1
C316.3	3	1	1
C316.4	3	3	1
C316.5	3	3	1
<b>Average</b>	<b>2.8</b>	<b>2.6</b>	<b>1</b>

<b>Course: MICROPROCESSORS AND MICROCONTROLLERS (C313)</b>			
<b>Department: ECE</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
C313.1	3	2	1
C313.2	2	3	2
C313.3	3	3	1
C313.4	2	2	-
C313.5	3	1	1
<b>Average</b>	<b>2.6</b>	<b>2.2</b>	<b>1.2</b>



  
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<b>Course: MICROWAVE ENGINEERING (C402)</b>			
<b>Department: ECE</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
C402.1	3	2	1
C402.2	2	1	1
C402.3	2	1	1
C402.4	3	2	-
C402.5	3	1	1
<b>Average</b>	<b>2.6</b>	<b>1.4</b>	<b>1</b>

<b>Course: DATA STRUCTURES (ITC202)</b>			
<b>Department: IT</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
ITC202.1	3	2	3
ITC202.2	3	3	3
ITC202.3	3	3	3
ITC202.4	2	3	3
ITC202.5	2	3	3
<b>Average</b>	<b>2.6</b>	<b>2.8</b>	<b>3</b>

<b>Course : OBJECT ORIENTATION PROGRAMMING USING C++ (ITC205)</b>			
<b>Department: IT</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
ITC205.1	2	2	3
ITC205.2	2	3	3
ITC205.3	3	3	3
ITC205.4	2	3	3
ITC205.5	3	2	3
<b>Average</b>	<b>2.4</b>	<b>2.6</b>	<b>3</b>



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<b>Course : FLAT(ITC301)</b>			
<b>Department: IT</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
ITC301.1	2	1	3
ITC301.2	2	2	3
ITC301.3	1	2	3
ITC301.4	2	2	3
ITC301.5	1	1	3
<b>Average</b>	<b>1.6</b>	<b>1.6</b>	<b>3</b>

<b>Course : INFORMATION SECURITY - ( ITC401)</b>			
<b>Department: IT</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
ITC401.1	3	3	2
ITC401.2	3	2	1
ITC401.3	3	3	3
ITC401.4	2	1	2
ITC401.5	3	3	2
<b>Average</b>	<b>2.8</b>	<b>2.4</b>	<b>2</b>

<b>Course : DATA STRUCTURES (AIC202)</b>			
<b>Department: AIML</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
AIC202.1	3	2	3
AIC202.2	3	3	3
AIC202.3	3	3	3
AIC202.4	2	3	3
AIC202.5	2	3	3
<b>Average</b>	<b>2.6</b>	<b>2.8</b>	<b>3</b>



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<b>Course : SOFTWARE ENGINEERING (AIC211)</b>			
<b>Department: AIML</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
AIC211.1	3	3	3
AIC211.2	3	2	3
AIC211.3	2	3	3
AIC211.4	2	2	3
AIC211.5	3	3	3
<b>Average</b>	<b>2.6</b>	<b>2.6</b>	<b>3</b>

<b>Course : COMPUTER ORIENTED STATISTICAL METHODS (MA303BS)</b>			
<b>Department: CSE</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
MA303BS.1	2	1	3
MA303BS.2	2	2	3
MA303BS.3	1	2	3
MA303BS.4	2	2	3
MA303BS.5	1	1	3
<b>Average</b>	<b>1.6</b>	<b>1.6</b>	<b>3</b>

<b>Course : WEB TECHNOLOGIES (CS504PC)</b>			
<b>Department: CSE</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
CS504PC.1	1	3	3
CS504PC.2	1	2	3
CS504PC.3	-	2	2
CS504PC.4	1	2	2
CS504PC.5	1	2	2
<b>Average</b>	<b>1</b>	<b>2.2</b>	<b>2.4</b>



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<b>Course : CLOUD COMPUTING (CS714PE)</b>			
<b>Department: CSE</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
CS714PE.1	3	3	1
CS714PE.2	3	3	1
CS714PE.3	3	3	2
CS714PE.4	3	3	2
CS714PE.5	3	3	1
<b>Average</b>	<b>3</b>	<b>3</b>	<b>1.4</b>

<b>Course : APPLIED PHYSICS (PH102BS)</b>			
<b>Department: BSH</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
PH102BS.1	3	2	1
PH102BS.2	-	1	2
PH102BS.3	3	2	1
PH102BS.4	3	3	-
PH102BS.5	3	2	1
<b>Average</b>	<b>3</b>	<b>2</b>	<b>1.25</b>

<b>Course : ENGINEERING CHEMISTRY (CH102BS)</b>			
<b>Department: BSH</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
CH102BS.1	2	3	3
CH102BS.2	1	1	2
CH102BS.3	2	-	3
CH102BS.4	-	3	2
CH102BS.5	2	1	3
<b>Average</b>	<b>1.75</b>	<b>2</b>	<b>2.6</b>



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<b>Course : ENGLISH (EN205HS)</b>			
<b>Department: BSH</b>			
<b>COURSE</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
EN205HS.1	-	-	3
EN205HS.2	-	-	3
EN205HS.3	2	2	3
EN205HS.4	-	-	2
EN205HS.5	1	1	2
<b>Average</b>	<b>1.5</b>	<b>1.5</b>	<b>2.6</b>



  
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