



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



Sample Course Outcomes and its mapping with POs and PSOs

Sl. No.	Description	Page No
01	Sample Course Outcomes	1-9
02	Sample CO-PO matrices	10-15
03	Sample CO-PSO matrices	16-21

Sample Course Outcomes

Course: SIGNALS AND SYSTEMS(C206)		
Department: ECE		
Course Code	Course Outcome	BT Level
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

Course: DIGITAL SIGNAL PROCESSING (C316)		
Department: ECE		
Course Code	Course Outcome	BT Level
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

Course: MICROPROCESSORS AND MICROCONTROLLERS (C313)		
Department: ECE		
Course Code	Course Outcome	BT Level
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

Course: MICROWAVE ENGINEERING(C402)		
Department: ECE		
Course Code	Course Outcome	BT Level
After going through this course the student will		
C402.1	Calculate cutoff frequency, identify possible modes and obtain mode characteristics	4
C402.2	Understand the principle of operation of wave guides, tuning screws, attenuators etc;	1
C402.3	Constructs catering 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

Course: DATA STRUCTURES (ITC202)		
Department: IT		
Course Code	Course Outcome	BT Level
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

Course: Computer Oriented Statistical Methods (ITC203)		
Department: IT		
COURSE CODE	COURSE OUTCOMES	BT LEVEL
After going through this course the Student will		
ITC203.1	Apply the concepts of probability and distributions to some case studies	3
ITC203.2	Correlate the material of one unit to the material in other units	2
ITC203.3	Apply the concepts of Sampling Distributions	3
ITC203.4	Test the hypothesis	2
ITC203.5	Resolve the potential misconceptions and hazards in each topic of study.	4

Course: FLAT(ITC301)**Department: IT**

Course Code	Course Outcome	BT Level
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

Course: INFORMATION SECURITY - (ITC401)**Department: IT**

Course Code	Course Outcome	BT Level
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

Course: DATA STRUCTURES (AIC202)		
Department: AIML		
Course Code	Course Outcome	BT Level
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

Course: SOFTWARE ENGINEERING (AIC211)		
Department: AIML		
Course Code	Course Outcome	BT Level
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

Course: COMPUTER ORIENTED STATISTICAL METHODS (MA303BS)
Department: CSE

Course Code	Course Outcome	BT Level
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

Course: WEB TECHNOLOGIES (CS504PC)
Department: CSE

Course Code	Course Outcome	BT Level
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

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:DATASTRUCTURES(DSC202)		
Department: CSD		
Course Code	Course Outcomes	BT Level
After learning the contents of this paper, the student must be able to		
DSC202.1	Ability to select the data structures that efficiently model the information in a problem	2
DSC202.2	Ability to assess efficiency trade-offs among different data structure implementations or combinations	2
DSC202.3	Implement and know the application of algorithms for sorting	5
DSC202.4	Design programs using a variety of data structures, including hash tables, binary and general tree structures, search trees, tries, heaps, graphs, and AVL-trees.	3
DSC202.5	Knows about the application of pattern matching and Different types of Tries.	3

COURSE:DATAMINING(DSC304)		
Department: CSD		
Course Code	Course Outcomes	BT Level
After learning the contents of this paper, the student must be able to		
DSC304.1	Understand the various data warehouse principle, concepts, association rule mining, supervised and unsupervised learning algorithm in data mining. (Knowledge)	2
DSC304.2	Apply the different processing and preprocessing techniques to process the data (Application)	3
DSC304.3	Analyze the data warehouse architecture and its components(Analysis)	4
DSC304.4	Evaluate the performance matrices using classification and clustering algorithm over the complex data objects (Evaluation)	5
DSC304.5	Create skill in selecting the appropriate data mining algorithm for solving practical problems (Synthesis)	6

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 Nano materials.	2
PH102BS.5	Understand various aspects of Lasers and Optical fibre and their applications in diverse fields.	1

Course: ENGINEERING CHEMISTRY (CH102BS)		
Department: BSH		
Course Code	Course Outcome	BT Level
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

Course: ENGLISH (EN205HS)		
Department: BSH		
Course Code	Course Outcome	BT Level
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

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	-
Average	2.6	2.2	2.6	2.6	1.4	1.2	1	1	1	1.4	1	1

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
Average	2.6	2.2	3	2.8	2	1	1	1	1	2.2	2	3

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	-
Average	2.8	2.8	2.2	1.6	1.8	1.2	1	1	1.6	1.4	1.2	1.5

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	-	-	-
Average	2.8	2.6	2.8	2.2	2.6	1.2	1.2	1	1	1.3	1	1

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
Average	3.0	2.0	1.0	1.0	1.2	1.4	1	1.2	1.2	1.4	1	1.0

Course: COMPUTER ORIENTED STATISTICAL METHODS (ITC203)												
Department: IT												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
ITC203.1	3	2	3	2	2	-	1	1	1	1	-	2
ITC203.2	3	2	2	2	2	2	1	1	1	-	-	2
ITC203.3	3	2	3	3	3	-	-	2	2	2	3	-
ITC203.4	3	2	2	3	3	3	2	1	-	2	1	1
ITC203.5	3	2	3	2	3	2	1	1	1	-	3	-
Average	3	2	2.5	2.5	2.6	1.2	1	1.2	1	1	1.4	1

Course: FLAT(ITC301)												
Department: IT												
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
Average	3	2	2.5	1.2	1.4	0.8	1.2	1	1	1	1.4	1

Course: INFORMATION SECURITY - (ITC401)												
Department: IT												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
ITC401.1	3	2	3	-	3	1	-	1	1	-	-	2
ITC401.2	3	2	2	2	-	-	2	-	2	1	-	2
ITC401.3	3	2	3	1	2	2	-	2	-	2	3	-
ITC401.4	3	2	2	-	1	-	1	1	1	2	1	1
ITC401.5	3	2	3	3	1	1	3	1	1	-	3	-
Average	3	2	2.6	2	1.75	1.33	2	1.25	1.25	1.67	2.33	1.67

Course: DATA STRUCTURES (AIC202)												
Department: AIML												
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
Average	3.0	2.0	1.0	1.0	1.2	1.4	1	1.2	1.2	1.4	1	1.0

Course: SOFTWARE ENGINEERING (AIC211)												
Department: AIML												
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
Average	2.8	2.8	3	2	2.2	1.4	1.2	1.8	1.8	0.8	1.2	2.6

Course: COMPUTER ORIENTED STATISTICAL METHODS (MA303BS)												
Department: CSE												
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	-
Average	3	2	2.6	2	1.75	1.33	2	1.25	1.25	1.67	2.33	1.67

Course: WEB TECHNOLOGIES (CS504PC)												
Department: CSE												
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	-
Average	2.8	3	2.2	1.6	2.2	2.2	1	1.8	2	2	2.4	1

Course: CLOUD COMPUTING (CS714PE)												
Department: CSE												
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	-
Average	2.8	2.8	2.4	2.4	2.4	1	1.2	1.4	2.4	2.4	1.8	1

COURSE:DATASTRUCTURES(DSC202)												
Department: CSD												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
DSC202.1	2	3	-	-	2	-	-	-	-	-	-	3
DSC202.2	3	3	3	-	3	-	2	-	-	-	-	2
DSC202.3	2		3	-	2	-	-	-	-	-	-	-
DSC202.4	2	2	1	-	-	-	-	-	-	-	-	2
DSC202.5	3	-	-	-	-	-	3	-	3	-	-	2
AVG	2.3	2.7	2.7	-	2.3	-	2.5	-	2.5	-	-	2.3

COURSE:DATAMINING(DSC304)												
Department: CSD												
COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
DSC304.1	3	3	1	-	2	-	-	-	-	-	-	3
DSC304.2	3	3	3	-	3	-	2	-	-	-	-	2
DSC304.3	3	1	3	-	2	-	-	-	-	-	-	-
DSC304.4	3	2	1	-	-	-	-	-	-	-	-	2
DSC304.5	3	-	-	-	-	-	3	-	3	-	-	2
AVG	3	2.8	2.6	-	2.3	-	2.5	-	2.5	-	-	2.3

Course: APPLIED PHYSICS (PH102BS)												
Department: BSH												
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
Average	3	3	3	3	2	-	2	1	-	-	-	1

Course: ENGINEERING CHEMISTRY (CH102BS)												
Department: BSH												
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
Average	1.8	1.8	1.6	1.4	2	2.7	3	3	1	1.4	1.6	1.8

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
Average	3	1	1	1	1.2	1.8	1.4	2.2	2	2.4	2.2	2

Sample CO-PSO matrices

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

Course: DIGITAL SIGNAL PROCESSING (C316)			
Department: ECE			
COURSE	PSO1	PSO2	PSO3
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
Average	2.8	2.6	1

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

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

Course: DATA STRUCTURES (ITC202)			
Department: IT			
COURSE	PSO1	PSO2	PSO3
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
Average	2.6	2.8	3

Course: OBJECT ORIENTATION PROGRAMMING USING C++ (ITC205)			
Department: IT			
COURSE	PSO1	PSO2	PSO3
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
Average	2.4	2.6	3

Course: FLAT(ITC301)			
Department: IT			
COURSE	PSO1	PSO2	PSO3
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
Average	1.6	1.6	3

Course: INFORMATION SECURITY - (ITC401)			
Department: IT			
COURSE	PSO1	PSO2	PSO3
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
Average	2.8	2.4	2

Course: DATA STRUCTURES (AIC202)			
Department: AIML			
COURSE	PSO1	PSO2	PSO3
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
Average	2.6	2.8	3

Course: SOFTWARE ENGINEERING (AIC211)			
Department: AIML			
COURSE	PSO1	PSO2	PSO3
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
Average	2.6	2.6	3

Course: COMPUTER ORIENTED STATISTICAL METHODS (MA303BS)			
Department: CSE			
COURSE	PSO1	PSO2	PSO3
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
Average	1.6	1.6	3

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

Course: CLOUD COMPUTING (CS714PE)			
Department: CSE			
COURSE	PSO1	PSO2	PSO3
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
Average	3	3	1.4

COURSE:DATASTRUCTURES(DSC202)			
Department: CSD			
COURSE	PSO1	PSO2	PSO3
DSC202.1	3	3	2
DSC202.2	3	3	3
DSC202.3	3	3	3
DSC202.4	3	2	3
DSC202.5	3	2	3
Average	3	2.6	2.8

COURSE:DATAMINING(DSC304)			
Department: CSD			
COURSE	PSO1	PSO2	PSO3
DSC304.1	3	3	2
DSC304.2	3	3	3
DSC304.3	2	3	3
DSC304.4	2	3	3
DSC304.5	2	3	2
Average	2.4	3	2.6

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

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

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