



Yashoda Shikshan Prasarak Mandal's
Yashoda Technical Campus, Satara
Department of Master of Computer Application

CO-PO Matrices of Courses:

MCA-I SEMESTER-II

1. SEM II Subject Code: CC201: Web Technology

Course Code	Course Outcomes
CC201-1	Apply the concept and usages web based programming techniques.
CC201-2	Demonstrate the development of XHTML documents using JavaScript and CSS.
CC201-3	Design and implement user interactive dynamic web based applications.
CC201-4	Demonstrate client side and server side scripting languages and validation techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
GE107.1	2	2	1	1	1		1	1
GE107.2	1	1	2	3	1		1	1
GE107.3	1	2	2	2	2	1	1	1
GE107.4	1	3	3	3	3	2	2	2
Average	1.25	2	2	2.25	1.75	1.5	1.25	1.25

2. SEM II Subject Code: CC202: Data Structure

Course Code	Course Outcomes
CC202-1	Differentiate between primitive and non-primitive data types.
CC202-2	Select appropriate data type/structure to solve the problem.
CC202-3	Design and implement appropriate data structures for solving computing problems.
CC202-4	Understand and use various file structures.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
C202.1	2	2	2	2	2	-	2	-
C202.2	2	2	3	3	2	-	2	-
C202.3	2	3	3	3	2	-	3	-
C202.4	2	2	3	2	2	-	2	-
Average	2	2.25	2.75	2.5	2	-	2.25	-

3. SEM II Subject Code: CC203: Big Data Management



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Course Code	Course Outcomes
CC203-1	Identify evolution of Big Data Management.
CC203-2	Understand Components and Tools of Big Data.
CC203-3	Apply Big Data Management techniques for processing data.
CC203-4	Evaluate role of different Big Data Storage Models and NOSQL for Business Applications.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
C203.1	2	2	2	2	2	-	2	-
C203.2	2	2	3	3	2	-	2	-
C203.3	2	3	3	3	2	-	3	-
C203.4	2	2	3	2	2	-	2	-
Average	2	2.25	2.75	2.5	2	-	2.25	-

4. SEM II Subject Code: CC204: Data Communication and Network

Course Code	Course Outcomes
CC204-1	Understand the basic concepts of data communication and Networking.
CC204-2	Evaluate the performance of various networking models.
CC204-3	Analyze the performance of network on the basis of different services provided by it.
CC204-4	Identify security threats to network and tools to control network security

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
C204.1	3	2	1	2	1	1	1	2
C204.2	2	3	2	3	1	2	1	2
C204.3	2	3	3	2	1	2	2	2
C204.4	1	2	3	2	1	1	3	2
Average	2	2.5	2.25	2.25	1	1.5	1.75	2

5. SEM II Subject Code: CC205: SE and PM

Course Code	Course Outcomes
CC205-1	Understand various software Process Models
CC205-2	Design SRS document for Software Project
CC205-3	Understand Software Project Life Cycle
CC205-4	Describe Software quality attributes and identify IT project risk



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CC205-1	3	2	2	1	2	1		1
CC205-2	2	3	2	1	2	3	1	1
CC205-3	2	3	3	2	3	3	1	2
CC205-4	2	2	3	2	3	3	2	2
Average	2.25	2.5	2.5	1.5	2.5	2.5	1.33	1.5

6. SEM II Subject Code: GE206: Digital Marketing

Course Code	Course Outcomes
GE206-1	Understand concept and significance of Digital Marketing.
GE206-2	Demonstrate the Technical Elements of Digital Marketing.
GE206-3	Learn contemporary developments in Digital Marketing.
GE206-4	Use Google analytics tools for generating various reports.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
GE206-1	1	2	2	1	1	2	1	2
GE206-2	2	2	3	3	2	2	1	2
GE206-3	1	2	2	1	1	2	1	3
GE206-4	1	2	2	3	1	2	1	3
Average	2.5	2.25	2.25	1.25	1.25	2	1	2