

2.6.2 Attainment of POs, PSOs and Cos

To measure the attainment of POs, PSOs and COs, of MCA course institute has developed mechanism as follows:

Continuous evaluation during semester: As institute practices CIE rigorously where performance of each candidate is continuously assessed by the respective subject teacher during sessions. These outcomes are also evaluated through various activities and subjects specific evaluation conducted by the subject teacher. At the end of every semester End semester examinations are also conducted. Apart from this the level of attainment of COs is evaluated through students' performance during entire semester by subject teacher.

Evaluation at the end of semester: Students' performance is evaluated throughout every semester through analysis of University examination (Mid term, End term, Presentations, theory, online and VIVA VOCE) results. It gives understanding of attainment of COs of the courses undertaken by the students during the academic year. It also helps in mapping attained COs with prescribed POs.

List of various evaluation criteria is listed below

Sr. No.	Particulars	Frequency in Semester				
1	Mid Term	1				
	Examination(30)					
2	End Term	1				
	Examination(70)					
3	Assignments/Case	4				
	Study					
4	Presentation	1				
5	Attendance	75%				
6	Case Studies	2				
7	Practical	55				
8	Mini Project	1				

The course attainment for MCA (Master of Computer Application) for academic year 2021-2022 is shown below.







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Prof. M. N. Navale M.E. (Elec), MIE, MEA FOUNDER PRESIDENT Dr. (Mrs.) Sunanda M. Navale B.A., M. P. M., Ph. D. FOUNDER SECRETARY Dr. Anamika Singh B.Sc., MBA, Ph.D., IIMA (F.D.P) DIRECTOR

Subject: CC

Sinhgad Technical Education Society's Sinhgad Institute of Management and Computer Application Narhe, Pune 411041 2021-22

Class: MCA – II SEM-III

Assignment no.1

Date: 25 Jan 22

Submission Date: 5 Feb 22

Answer the following questions:

- 1. Explain characteristics, benefits and Applications of IAAS, PAAS, SAAS.
- 2. What is Virtualization? Explain types of Virtualization.
- 3. What are Cloud Computing Security Challenges
- 4. Write short note:
 - a) Machine Image
 - b) VMware
 - c) Cloud Governance

Assignment no.2

- 1) Explain Cloud Migration Strategies and Process.
- 2) What is Service Oriented Architecture? Differentiate between SOAP and REST.
- 3) Write short note:
 - a) Service Level Agreement
 - b) Cloud Availability
 - c) Dockers Container

Dr. Rajesh Gawali Subject Teacher





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Sinhgad Technical Education Society's SINHGAD INSTITUTE OF MANAGEMENT AND COMPUTER APPLICATION MCA Program Mid-Term Examination June - 2022

Subject: Python Programming

Class: MCA – I SEM - II

Date: 28/06/2022

Maximum Marks: 30

Instructions: 1) Question 1 and 6 are compulsory 2) Solve any 3 questions from 2 to 5.

3) Each Questions carry equal marks.

Select the correct option		[6]				
Q.1)						
1. Which of the following statement is invalid?	2. Which of the following is valid variable					
A. m_n_q=3500	name?					
B. m.n.q=3500,3600,3700	Aram2					
C. m,n,q=3500,3600,3700	B. Ram.2					
D. D. mnq=350036003700	C. Ram_22					
	D. ram@20					
3. Consider the variable a and b Values of a	4. The command used to add elements i	n a				
and b are 280 and 15 respectively The	list is					
operation that returns the remainder is	A. append()					
A. a/b	B. extend()					
B. a+b	C. insert()					
C. a%b	D. All above					
D. a//b						
5. The object a={"a":101,"b":102} is a	6. Which of the following method can be					
A. Dictionary	used to initialize multiple variables with a					
B. Set	common values? 1. x=y:y=33, 2. x=y=z=33,					
C. List	3. x=33 y=x z=y 4. x,y,z=33					
D. Tuple	A. 1 and 2 B. 2 and 3					
	C. 1 and 4 D. 2 and 4					
7. Which of the following statement(s) is /are	8. Variable 'a' is defined as a = 'gOO	Od				
True? (I) Functions take multiple inputs	moRning' Command to convert 'a'	from				
(II) Functions can return only one output .	'gOOd moRning' to 'Good Morning' is	:-				
A. I-True, II-False	A. a.upper()					
B. I-False, II-True	B. a.title()					
C. I-True, II-True	C. a.sting()					
D. I-False, II-False	D. a.lower()					
9. The output of the code given below is	10. The output of the code given below i	is				
n = [x*x for x in range(4)]	list = $[2, 4, 6, 8]$ a = $(x^{**3} \text{ for } x \text{ in list})$					
print(n)	print(next(a))					



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F	Prof. M M.E. (Ele OUNDER	I. N. Navale Dr. (Mrs.) Sunanda N c), MIE. MEA B.A., M.P. M., Ph R PRESIDENT FOUNDER SECRE	1. Navale Dr. Anamika Singh D B.St., MBA Ph.D., IMA (F.D.P) TARY DIRECTOR	
	A. [. B. [.	1, 4, 9] 1, 4, 9, 16]	A. 4 B. 6	
	C. [(0. 1. 4. 9]	C. 8	
	D. [(0, 1, 4, 9, 16]	D. 16	
1 a	L 1. H e all that B C	 ow are lambda functions useful? Select at apply: A. Lambda functions always make code easier to read. B. They are useful in allowing quick calculations or processing as the input to other functions. C. Lambda functions are not used for functional programming. D. Lambda functions are used for functional programming. 	 12. Which of the following functions is built-in function aggregation function python A. print() B. input() C. min() D. None 	a in
(D.2)	What are non-primitive data types? Explore	e important methods and properties of list	[6]
(<u>2.3</u>)	Differentiate recursive and non-recursive for	inction? Write a program to print	[6]
	- /	Fibonacci series using recursive method.		
(Q.4)	Create a data frame student with fields (Ro Sub1.subi2subin.	ll No, Name, Class, Gender, Address,	[6]
		Convert data frame into csv file		
		Write a query to calculate total marks and a	dd the column	
		Write a query to calculate percentage using	function lambda	
		Display records whose percentage is greate	r than 60	
		Drop column Address		
		Encode Male as 1 and Female as 2		
(Q.5)	Explain Map, Reduce and Lambda function	as. Accept temperature from 10 cities and	[6]
		convert into Fahrenheit by using appropriat	e function.	5.61
	J.6)	Write Short Notes (Any 2)		[6]
		Kole of Python in Al and Data science		
		List Vs. Numpy		
		Map. Reduce and Lambda functions		

***** All the Best *****





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CO PO MAPPING OF MCA

PROGRAM OUTCOMES OF MCA

Program	MCA
Program Full Title	Master of Computer Application
Program Credit	160 (2019 P)
Semester	4 Semester in 2 years (2020 P)
	6 Semester in 3 years (2019 P)
Program Outcomes:	At the end of the MCA programme the learner will possess the following
Program Outcome	
PO1	Apply knowledge of computing fundamentals, computing
	specialization, mathematics, and domain knowledge appropriate for the
	computing specialization to the abstraction and conceptualization of
	computing models from defined problems and requirements.
PO2	Identify, formulate, research literature, and solve complex Computing
	problems reaching substantiated conclusions using fundamental
	principles of Mathematics, Computing sciences, and relevant domain
DO2	Design and evoluate solutions for complex computing problems, and
PUS	design and evaluate solutions for complex computing problems, and
	specified needs with appropriate consideration for public health and
	safety cultural societal and environmental considerations
PO4	Use research-based knowledge and research methods including design
104	of experiments analysis and interpretation of data and synthesis of
	information to provide valid conclusions.
PO5	Create, select, adapt and apply appropriate techniques, resources, and
	modern computing tools to complex computing activities, with an
	understanding of the limitations.
PO6	Understand and commit to professional ethics and cyber regulations,
	responsibilities, and norms of professional computing practice.
PO7	Recognize the need, and have the ability, to engage in independent
	learning for continual development as a Computing professional.
PO8	Demonstrate knowledge and understanding of computing and
	management principles and apply these to one's own work, as a member
	and leader in a team, to manage projects and in multidisciplinary
	environments.
PO9	Communicate effectively with the computing community, and with
	society at large, about complex computing activities by being able to
	comprehend and write effective reports, design documentation, make
	effective presentations, and give and understand clear instructions.





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PO10	Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.
PO11	Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.
PO12	Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

COURSE OUTCOMES MCA (2019 P) SEMESTER I

Program	MCA
Course Full Title	Problem Solving using C++
Course Code	IT11
Course Credit	4
Semester	Ι
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Use the algorithm paradigms for problem solving.
CO2	Develop programs with features of the C++ programming language.
CO3	Develop simple applications using C++
CO4	Develop programs in the UNIX/Linux programming environment.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓						✓				\checkmark
CO2	\checkmark											
CO3	✓		✓	✓								
CO4	\checkmark											

Program	MCA
Course Full Title	Software Engineering using UML
Course Code	IT12
Course Credit	4
Semester	Ι
Internal	30
External	70





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Specialization	NA								
Core/Elective	Core								
Course Outcomes: On successful completion of this course, the learner will be able to									
CO1	Distinguish different process model for a software development.								
CO2	Design software requirements specification solution for a given								
	problem definitions of a software system.								
CO3	Apply software engineering analysis/design knowledge to suggest								
	solutions for simulated problems								
CO4	Recognize and describe current trends in software engineering								

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓							✓				\checkmark
CO2	✓											
CO3	✓		✓	✓						\checkmark		
CO4	✓					✓						

Program	MCA							
Course Full Title	Database Management System							
Course Code	IT13							
Course Credit	4							
Semester	Ι							
Internal	30							
External	70							
Specialization	NA							
Core/Elective Core								
Course Outcomes: On successful completion of this course, the learner will be able to								
C01	Describe the basic concepts of DBMS and various databases used in real							
	applications.							
CO2	Design relational database using E-R model and normalization							
CO3	Demonstrate nonprocedural structural query languages for various							
	database applications							
CO4	Apply concepts of Object Based Database, XML database and non-							
	relational databases.							
CO5	Explain transaction management and recovery management for real							
	applications.							

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓							\checkmark				\checkmark
CO2	✓											



CO5

 \checkmark

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Program	MCA
Course Full Title	Essential of Operating System
Course Code	IT14
Course Credit	4
Semester	Ι
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
Course Outcomes: O CO1	In successful completion of this course, the learner will be able to Understand structure of OS, process management and synchronization.
Course Outcomes: O CO1 CO2	 n successful completion of this course, the learner will be able to Understand structure of OS, process management and synchronization. Analyze and design Memory Management.
Course Outcomes: O CO1 CO2 CO3	 In successful completion of this course, the learner will be able to Understand structure of OS, process management and synchronization. Analyze and design Memory Management. Interpret the mechanisms adopted for file sharing in distributed
Course Outcomes: O CO1 CO2 CO3	 In successful completion of this course, the learner will be able to Understand structure of OS, process management and synchronization. Analyze and design Memory Management. Interpret the mechanisms adopted for file sharing in distributed Applications
Course Outcomes: O CO1 CO2 CO3 CO4	In successful completion of this course, the learner will be able toUnderstand structure of OS, process management and synchronization.Analyze and design Memory Management.Interpret the mechanisms adopted for file sharing in distributedApplicationsConceptualize the components and can do Shell Programming.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓											
CO3	✓		✓	✓						\checkmark		
CO4	✓					✓						
CO5	\checkmark					\checkmark		\checkmark				

Program	MCA
Course Full Title	Business Process Domain
Course Code	BM11
Course Credit	4
Semester	Ι
Internal	30
External	70
Specialization	NA
Core/Elective	Core





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Prof. M. N. Navala	Dr. (Mrs.) Sunanda M. Navale	Dr. Anamika Singh
M.E. (Elec), MIE, MBA	B.A., M. P. M., Ph. D.	B.St., MBA, Ph.D., IMA (F.D.P)
FOUNDER PRESIDENT	FOUNDER SECRETARY	DIRECTOR

Course Outcomes: On successful completion of this course, the learner will be able to						
CO1	Describe major bases for marketing mix in business					
CO2	Describe various functionalities of human resource process					
CO3	Identify existing e-commerce model and payment system					
CO4	Apply knowledge to evaluate and manage an effective supply chain.					
CO5	Understand how customer relations are related to business functions					
	and its importance to success of Business entity.					
CO6	Use various banking and insurance process for business development.					

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓										
CO3	✓							✓				
CO4	✓	✓		✓			✓					
CO5	✓	✓		✓				✓		✓	✓	✓
CO6	\checkmark	\checkmark		\checkmark			\checkmark	\checkmark	\checkmark			\checkmark

Program	MCA
Course Full Title	Open Subject 1
Course Code	OS11
Course Credit	1
Semester	Ι
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓		✓		✓				\checkmark		\checkmark

Program	MCA
Course Full Title	Open Subject 2
Course Code	OS12
Course Credit	1



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Prof. M. N. Navale M.E. (Elec), MIE, MEA FOUNDER PRESIDENT

Dr. (Mrs.) Sunanda M. Navale B.A., M. P. M., Ph. D. FOUNDER SECRETARY

Semester	Ι
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓		✓		✓				\checkmark		\checkmark

Program	MCA
Course Full Title	Case Study on Requirement Gathering
Course Code	CS11
Course Credit	1
Semester	Ι
Internal	25
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	The motive student to gather information regarding problem and then
	analyzing it to build efficient software.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	~	~		~		✓				\checkmark		\checkmark

Program	MCA
Course Full Title	Practical based on IT11
Course Code	IT11L
Course Credit	2
Semester	Ι
Internal	50
External	NA
Specialization	NA
Core/Elective	Core





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Course Outcomes: On successful completion of this course, the learner will be able to							
CO1	Understanding the problem						
CO2	Analyzing the problem						
CO3	Developing the solution						
CO4	Coding and implementation.						

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓						✓					
CO2	✓	✓	✓									
CO3	✓			✓				✓	✓			
CO4	\checkmark	\checkmark		\checkmark			\checkmark			\checkmark		\checkmark

Program	MCA
Course Full Title	Practical based on OS11 and OS12
Course Code	OS11L
Course Credit	2
Semester	Ι
Internal	50
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understanding the problem
CO2	Analyzing the problem
CO3	Developing the solution
CO4	Coding and implementation.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓		✓		✓		✓					
CO2	✓		✓		✓							
CO3	✓		✓	✓	✓			✓	✓			
CO4	✓		✓	✓	✓		✓	✓		\checkmark		\checkmark

Program	MCA
Course Full Title	Soft Skill-1
Course Code	SS11L
Course Credit	1
Semester	Ι





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Internal	25
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	To improve the vocabulary of English and competency for business
	English.
CO2	Use of language lab
CO3	English learning tools such as mobile apps like Sling etc. are also
	encouraged and lot of listening practice, reading and understanding
	exposure should be given to the students.
CO4	Interested students may appear for Cambridge English exam after
	completion of 1st year.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓								~	~	\checkmark	\checkmark
CO2	✓								✓	~	~	\checkmark
CO3	✓								✓	\checkmark	\checkmark	\checkmark
CO4	\checkmark								\checkmark	\checkmark	\checkmark	\checkmark

COURSE OUTCOMES MCA (2019 P) SEMESTER II

Program	MCA
Course Full Title	Data Structure and Algorithm
Course Code	IT21
Course Credit	4
Semester	П
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Apply design principles and concepts for Data structure and algorithm
CO2	Summarize searching and sorting techniques
CO3	Describe stack, queue and linked list operation
CO4	Demonstrate the concepts of tree and graphs

CO/PO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12



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CO1	✓										
CO2	✓										
CO3	✓		\checkmark	\checkmark					✓		
CO4	\checkmark					\checkmark					

Program	MCA
Course Full Title	Web Technology
Course Code	IT22
Course Credit	4
Semester	П
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Implement interactive web page(s) using HTML, CSS and JavaScript.
CO2	Build Dynamic web site using server-side PHP Programming and
	Database connectivity.
CO3	Design a responsive web site.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓											
CO3	✓		✓	✓						✓		
CO4	✓	✓				✓		✓				

Program	MCA
Course Full Title	Business Statistics
Course Code	MT21
Course Credit	4
Semester	П
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to





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Prof. M. N. Navale M.E. (Elec), MIE. MBA FOUNDER PRESIDENT	Dr. (Mrs.) Sunanda M. Navale B.A., M. P. M., Ph. D. FOUNDER SECRETARY	Dr. Anamika Singh B.Sc., MBA, Ph.D., IMA (F.D.P) DIRECTOR
CO1	Demonstrate concepts of business statistic central tendency, dispersion, correlation, a series analysis)	es (such as measures of regression analysis and time
CO2	Students will be able to analyze and apply problems.	v statistical tools to solve
CO3	based on the acquired knowledge to interp calculated statistical indicators	pret the meaning of the
CO4	Demonstrate concept of index numbers for in business world	r solving practical problems

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓											
CO3	✓		✓	✓						✓		
CO4	✓	\checkmark				✓		✓				

Program	MCA						
Course Full Title	Essentials of Networking						
Course Code	IT23						
Course Credit	4						
Semester	Π						
Internal	30						
External	70						
Specialization	NA						
Core/Elective Core							
Course Outcomes: O	In successful completion of this course, the learner will be able to						
C01	Understand the basic concepts of data communication including the						
	key aspects of networking and their interrelationship						
CO2	Understand various protocols such as HTTP, SMTP, POP3, IMAP,						
	FTP, DNS, DHCP and the basic structure of IPv4, IPv6 Address and						
	concept of sub netting with numerical						
CO3	Understand routing concept and working of routing protocols such as						
	RIP, OSPF and BGP						
CO4	Understand various encryption techniques						

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓											
CO3	✓		✓	✓						✓		



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Prof. N	Prof. M. N. Navale		Dr. (M	rs.) Sunanda N	Dr. Anamika Singh			
M.E. (E)	M.E. (Eloc), MIE, MEA			B.A., M. P. M., Ph	B.Sc., MBA, Ph.D., IIMA (F.D.P)			
FOUNDE	FOUNDER PRESIDENT			JUNDER SECRE	DIRECTOR			
CO4	✓	 ✓ 			✓	✓		

Program	MCA
Course Full Title	Principles and Practices of Management and Organizational Behavior
Course Code	BM21
Course Credit	4
Semester	П
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
C01	Describe and analyze the interactions between multiple aspects of
	management.
CO2	Analyze the role of planning and decision making in Organization
CO3	Justify the role of leadership qualities, Motivation Group dynamics and
	Team Building.
CO4	Compare the controlling process

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	\checkmark	✓										
CO3	✓							✓				
CO4	✓	✓		✓			✓					
CO5	✓	✓		✓				✓		\checkmark	\checkmark	✓
CO6	✓	✓		✓			✓	✓	✓			✓

Program	MCA
Course Full Title	Open Subject 3
Course Code	OS21
Course Credit	1
Semester	П
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to





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CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	\checkmark		✓		\checkmark				✓		\checkmark

Program	MCA
Course Full Title	Open Subject 4
Course Code	OS22
Course Credit	1
Semester	П
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	~	~		✓		✓				✓		\checkmark

Program	MCA
Course Full Title	Case Study on Feasibility Study and Analysis
Course Code	CS21
Course Credit	1
Semester	П
Internal	25
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	The motive student to perform feasibility study in terms of technical,
	economic etc. and perform data analysis

CO/PO PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12



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Prof. M M.E. (Ele FOUNDER	. N. Navala c). MIE. MB R PRESIDE	A NT		Dr. (Mr I FO	s.) Sunan S.A., M. P. M UNDER SE	da M. Navale Ph. D. CRETARY	Dr. Anamika Singh B.Sc., MBA, Ph.D., IMA (F.D.P) DIRECTOR		
CO1	CO1 🖌 🖌		 ✓ 		✓		✓		 ✓

Program	MCA
Course Full Title	Practical based on IT21
Course Code	IT21L
Course Credit	2
Semester	П
Internal	50
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Write an algorithm.
CO2	Analyze algorithm based on time complexity.
CO3	Coding and implementation using C++
CO4	Analyze program based on time complexity.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓						✓					
CO2	✓	✓	✓									
CO3	✓			✓				✓	✓			
CO4	✓	✓		✓			✓			✓		\checkmark

Program	MCA
Course Full Title	Practical based on OS21 and OS22
Course Code	OS22L
Course Credit	2
Semester	П
Internal	50
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understanding the problem
CO2	Analyzing the problem
CO3	Developing the solution
CO4	Coding and implementation.



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CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓		✓		✓		✓					
CO2	✓		✓		✓							
CO3	✓		✓	✓	✓			\checkmark	✓			
CO4	✓		✓	✓	✓		✓	✓		\checkmark		\checkmark

Program	MCA
Course Full Title	Soft Skill-II
Course Code	SS21
Course Credit	1
Semester	П
Internal	25
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Team building, Team briefing, Role of Team leader, Conflict resolution,
	Methodology of Group discussions, Role Functions in Group
	Discussion, Improving group performance, Mock group discussions

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓								\checkmark	~	~	~
CO2	✓								\checkmark	~	~	✓
CO3	✓								✓	\checkmark	\checkmark	✓
CO4	✓								\checkmark	~	~	✓

COURSE OUTCOMES MCA (2019 P) SEMESTER III

Program	MCA
Course Full Title	Java Programming
Course Code	IT31
Course Credit	4
Semester	III
Internal	30
External	70
Specialization	NA
Core/Elective	Core





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Prof. M. N. Navale M.E. (Elec), MIE, MEA FOUNDER PRESIDENT Dr. (Mrs.) Sunanda M. Navale B.A., M. P. M., Ph. D. FOUNDER SECRETARY

Course Outcomes:	Course Outcomes: On successful completion of this course, the learner will be able to						
CO1	Understand Basic Concepts of Java and multi-threadingUnderstand.						
CO2	Demonstrate Collection framework -Apply						
CO3	Develop GUI using AWT and Swing -Apply						
CO4	Develop Java Applications using Socket, RMI – Apply						
CO5	Develop Web application using JSP and Servlet, JDBC with MVC						
	Apply						

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	✓								
CO4	✓	✓		✓	✓	✓	✓	✓				

Program	MCA
Course Full Title	Data Warehouse and Data Mining
Course Code	IT32
Course Credit	4
Semester	III
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Learn and understand techniques of preprocessing various kinds of data
	-Understand.
CO2	Understand Data warehouse concepts Understand
CO3	Apply association Mining Techniques on large Data Sets Apply
CO4	Apply classification and clustering Techniques on large Data Sets
	Analyze
CO5	Understand other approaches of Data mining techniques Understand

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	✓								
CO4	✓	✓		✓	✓	✓	✓	✓				
CO5	\checkmark	\checkmark		✓	\checkmark	\checkmark	\checkmark	✓				



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Program	MCA
Course Full Title	Software Testing and Quality Assurance
Course Code	IT33
Course Credit	4
Semester	III
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
C01	Understand the role of software quality assurance in contributing to the
	efficient delivery of software solutions –Understand
CO2	Demonstrate specific software tests with well-defined objectives and
	targets – Apply
CO3	Apply the software testing techniques in commercial environments –
	Apply
CO4	Construct test strategies and plans for software testing –Analyze
C05	Understand the usage of software testing tools for test effectiveness,
	efficiency and coverage – Understand

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	✓								
CO4	✓	✓		✓	✓	✓	✓	✓				

Program	MCA									
Course Full Title	Cloud Computing									
Course Code	IT34									
Course Credit	4									
Semester	III									
Internal	30									
External	70									
Specialization	NA									
Core/Elective	Core									
Course Outcomes: O	Course Outcomes: On successful completion of this course, the learner will be able to									





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CO1	Describe the concepts of Cloud Computin	g and its Service Models &
	Deployment Models – Understand.	-
CO2	Classify the types of Virtualization – Under	erstand.
CO3	Describe the Cloud Management and relat	e Cloud to SOA –
	Understand.	
CO4	Interpret Moving application s to of Cloud	l – Apply.
005		

CO5 Demonstrate practical implementation of Cloud computing – Apply.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	\checkmark							✓				
CO3	✓		✓	✓								
CO4	✓	✓		✓	✓	✓	✓	✓				

Program	MCA
Course Full Title	Probability and Combinatorics
Course Code	MT31
Course Credit	4
Semester	III
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Apply counting principles to solve the problems –Apply
CO2	Apply various mathematical tools to solve problems. –Apply.
CO3	Understand and apply basic probability principles. – Apply
CO4	Demonstrate the concept of univariate and bivariate random variable –
	Apply
CO5	Understand and illustrate the probability distributionsAnalyze

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	✓								
CO4	\checkmark	✓		\checkmark	✓	✓	\checkmark	✓				



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Program	MCA
Course Full Title	Open Subject 5
Course Code	OS31
Course Credit	1
Semester	III
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓	✓	1.				✓	✓			

Program	MCA
Course Full Title	Open Subject 6
Course Code	OS32
Course Credit	1
Semester	III
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓	✓	2.				✓	✓			



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Program	MCA					
Course Full Title	Case Study on Design					
Course Code	CS31					
Course Credit	1					
Semester	III					
Internal	25					
External	NA					
Specialization	NA					
Core/Elective	Core					
Course Outcomes: On successful completion of this course, the learner will be able to						
CO1	The motive of this subject that student to perform design of problem					
	statement towards software development					

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓	✓	3.				\checkmark	✓		✓	✓

Program	MCA				
Course Full Title	Practical Based on Java Programming				
Course Code	IT31L				
Course Credit	2				
Semester	III				
Internal	50				
External	NA				
Specialization	NA				
Core/Elective	Core				
Course Outcomes: On successful completion of this course, the learner will be able to					
CO1	Create Web application using JSP and Servlet, JDBC with MVC				

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓	✓	4.				\checkmark	\checkmark		\checkmark	\checkmark

Program	MCA
Course Full Title	Practical based on OS31 and OS32
Course Code	OS32L
Course Credit	2
Semester	III
Internal	50
External	NA





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Dr. Anamika Singh B.Sc., MBA, Ph.D., IMA (F.D.P) DIRECTOR

Prof. M. N. Navale M.E. (Elec), MIE, MEA FOUNDER PRESIDENT

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Specialization	NA						
Core/Elective	Core						
Course Outcomes: On successful completion of this course, the learner will be able to							
CO1	Understanding the problem						
CO2	Analyzing the problem						
CO3	Developing the solution						
CO4	Coding and implementation.						

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓		✓		✓		✓					
CO2	✓		✓		✓							
CO3	✓		✓	✓	✓			✓	✓			
CO4	✓		✓	✓	✓		✓	✓		✓		✓

Program	MCA
Course Full Title	Soft Skill-III
Course Code	SS31
Course Credit	1
Semester	III
Internal	25
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Nonverbal communication-Personal appearance-Posture- Gestures-
	Facial expressions- Eye contact-Space distancing
CO2	Business Presentations: Preparing successful presentations, Planning for
	audience Making effective use of visual aid, Delivering presentation,
	using prompts, dealing with questions and interruptions, Mock
	presentations.
CO3	Effective usage of Tools (MS PowerPoint)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓								✓	~	~	✓
CO2	✓								✓	~	~	✓
CO3	\checkmark								\checkmark	\checkmark	\checkmark	✓





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Dr. Anamika Singh B.Sc., MBA, Ph.D., IMA (F.D.P) DIRECTOR

COURSE OUTCOMES MCA (2019 P) SEMESTER IV

Program	MCA
Course Full Title	Python Programming
Course Code	IT41
Course Credit	4
Semester	IV
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand concepts of pythonUnderstand.
CO2	Demonstrate the concepts modular programming -Apply
CO3	Apply the concepts of concurrency control in python -Apply
CO4	Solve the real life problems using object oriented concepts and python
	libraries –Apply
CO5	Demonstrate the concept of IO, Exception Handling, database Apply

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓	✓		✓			✓				
CO3	✓	✓	✓		✓			✓				
CO4	✓	✓	✓		✓			✓				

Program	MCA
Course Full Title	Information System and Security Audit
Course Code	BM41
Course Credit	4
Semester	IV
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Interpret the threats and vulnerabilities from IT system of business
	software applications Apply





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CO2	Understand Information Security Manage system of business -Understand	ement System (ISMS) for IT
CO3	Apply information security policies and s System-Apply	tandards for business IT
CO4	Discuss various IS controls for Business Recovery of business IT systemUnders	Continuity and Disaster tand
CO5	Describe information security audit and u	nderstand information

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓						✓				
CO3	✓	✓			✓			✓				
CO4	✓	✓		✓				✓				

security IT governance framework. - Understand

Program	MCA
Course Full Title	Optimization Techniques
Course Code	MT41
Course Credit	4
Semester	IV
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Understand the role and principles of optimization techniques in
	business world -Understand
CO2	Demonstrate specific optimization technique for effective decision
	making -Apply
CO3	Apply the optimization techniques in business environments - Apply
CO4	Illustrate and infer for the business scenario- Analyze
CO5	Analyze the optimization techniques in strategic planning for optimal
	gain Analyze

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓						✓				



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CO3	✓	✓			✓			✓			
CO4	✓	\checkmark		\checkmark				\checkmark			
CO5	\checkmark	\checkmark		\checkmark				\checkmark			

Program	MCA
Course Full Title	Essential of Architectural Framework
Course Code	IT42
Course Credit	4
Semester	IV
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Understand Basics Fundamentals of Architecture and Framework.
	(Understand)
CO2	Understand appropriate Architecture Framework design. (Understand)
CO3	Select appropriate technical and industry specific frameworks.
	(Understand)
CO4	Apply the software development process (Apply)
CO5	Apply the quality of Architecture (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓						✓				
CO3	✓	✓			✓			✓				
CO4	✓	✓		✓				✓				
CO5	\checkmark	✓		\checkmark				\checkmark				

Program	MCA
Course Full Title	Knowledge Representation and Artificial Intelligence
Course Code	IT43
Course Credit	4
Semester	IV
Internal	30
External	70
Specialization	NA
Core/Elective	Core



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Course Outcomes:	On successful completion of this course, th	e learner will be able to
CO1	Develop a basic understanding of AI build	ling blocks presented in
	intelligent agents- Develop.	
CO2	Choose an appropriate problem solving m	ethod and knowledge
	representation technique – Choose.	
CO3	Apply the different Propositional Logic co	oncepts for knowledge
	representation-Apply.	
CO4	Analyze and understand the models for re	asoning with uncertainty and
	different planning and learning approache	s in the field of Artificial
	Intelligence – Analyze and understand.	
CO5	Demonstrate awareness and a fundamenta	l understanding of various
	applications of AI – Demonstrate.	

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓						✓				
CO3	✓	✓			✓			✓				
CO4	✓	✓		✓				✓				
CO5	✓	✓		✓	✓			✓				

Program	MCA
Course Full Title	Open Subject 7
Course Code	OS41
Course Credit	1
Semester	IV
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓	✓	5.				✓	✓		\checkmark	\checkmark



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Dr. (Mrs.) Sunanda M. Navale B.A., M.P. M., Ph. D. FOUNDER SECRETARY

Program	MCA
Course Full Title	Open Subject 8
Course Code	OS42
Course Credit	1
Semester	IV
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	~	✓	6.				\checkmark	\checkmark		✓	✓

Program	MCA
Course Full Title	Case Study on Development
Course Code	CS41
Course Credit	1
Semester	IV
Internal	25
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	The motive behind this subject is to guide the students to apply various
	technologies for software development.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓	✓	7.				\checkmark	\checkmark		~	✓

Program	MCA
Course Full Title	Practical Based on Python Programming
Course Code	IT41L
Course Credit	2
Semester	IV





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Internal	50
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Implement Python programs with conditionals and loops.(Apply)
CO2	Develop Python programs step-wise by defining functions and calling
	them. (Apply)
CO3	Apply Python lists, tuples, and dictionaries for representing compound
	data. (Apply)
CO4	Apply file handling function in Python. (Apply)
CO5	Apply NumPy, pandas, matplot modules. (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓						✓					
CO2	✓	✓	✓									
CO3	✓			✓				✓	✓			
CO4	✓	✓		✓			✓			\checkmark		✓
CO5	\checkmark	✓		\checkmark			\checkmark			\checkmark		✓

Program	MCA
Course Full Title	Practical based on OS31 and OS32
Course Code	OS42L
Course Credit	2
Semester	IV
Internal	50
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Understanding the problem
CO2	Analyzing the problem
CO3	Developing the solution
CO4	Coding and implementation.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓						✓					
CO2	✓	✓	✓									



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CO3	✓			\checkmark				✓	✓			
CO4	\checkmark	\checkmark		\checkmark						✓		\checkmark

Program	MCA
Course Full Title	Soft Skill-IV
Course Code	SS41
Course Credit	1
Semester	IV
Internal	25
External	NA
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Preparing resumes & CV-Covering letter (effective usage of MSWord)
	Self introduction during interviews
CO2	Interviews – Types of Interviews, preparing for interviews (Opening,
	body-answer Q, close-ask
CO3	Types of questions, facing interviews, reviewing performance
	Participating in mock interviews

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓								\checkmark	~	~	~
CO2	✓								\checkmark	~	~	~
CO3	✓								✓	√	\checkmark	√

COURSE OUTCOMES MCA (2019 P) SEMESTER V

Program	MCA
Course Full Title	Social Media & Digital Marketing
Course Code	IT51
Course Credit	4
Semester	V
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
C01	Explain use of Social Media in Marketing (Understand)
CO2	Demonstrate Digital Marketing Strategy (Apply)





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N. Navale MIE. MEA

Prof. M. N. Navale M.E. (Elec), MIE, MEA FOUNDER PRESIDENT Dr. (Mrs.) Sunanda M. Navale B.A., M. P. M., Ph. D. FOUNDER SECRETARY

CO3	Summarize various tools of Social Media and Digital Marketing
	(Understand)
CO4	Make use of SEO techniques for websites (Apply)
CO5	Interpret SEM tools and techniques (Understand)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓		\checkmark									
CO3	✓											
CO4	✓											
CO5	✓		✓									

Program	MCA
Course Full Title	Mobile Application Development
Course Code	IT52
Course Credit	4
Semester	V
Internal	30
External	70
Specialization	NA
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand Various Mobile Application Architectures (Understand)
CO2	Use different types of widgets and Layouts. (Apply)
CO3	Describe Web Services and Web Views in mobile applications.
	(Understand)
CO4	Implement data storing and retrieval methods in android. (Apply)
CO5	Demonstrate Hybrid Mobile App Framework. (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓										
CO3	✓	✓										
CO4	✓	✓	✓	✓	✓							
CO5	✓	✓	✓									





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Program	MCA					
Course Full Title	Software Project Management					
Course Code	IT53					
Course Credit	4					
Semester	V					
Internal	30					
External	70					
Specialization	NA					
Core/Elective	Core					
Course Outcomes: O	In successful completion of this course, the learner will be able to					
C01	Understand the process of Software Project Management Framework					
	and Apply estimation techniques. (Understand)					
CO2	Learn the philosophy, principles and lifecycle of an Agile project.					
	(Understand)					
CO3	Demonstrate Agile Teams and Tools. (Apply)					
CO4	Apply Agile project constraints and trade-offs for estimating project size					
	and schedule (Apply)					
CO5	Explain Project Tracking and Interpretation of Progress Report.					
	(Understand)					

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓										
CO3	✓	✓										
CO4	✓	✓	✓	✓	✓							
CO5	✓	✓	✓				✓	✓				

-	
Program	MCA
Course Full Title	Mini Project
Course Code	ITC51
Course Credit	8
Semester	V
Internal	50
External	150
Specialization	NA
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Understand the real-world problem. (Understand) (Apply)



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Prof. M. N. Navale	Dr. (Mrs.) Sunanda M. Navale	Dr. Anamika Singh
M.E. (Elec), MIE, MEA	B.A., M. P. M., Ph. D.	B.St., MBA, Ph.D., IMA (F.D.P)
FOUNDER PRESIDENT	FOUNDER SECRETARY	DIRECTOR
CO2	Express the need of the project through fea	asibility analysis and literature

	review. (Understand)
CO3	Determine the project plan using appropriate methodology. (Apply)
CO4	Implement the project design pertaining to the problem. (Apply)
CO5	Demonstrate communication and team-work skills.
CO6	Build and test the solution. (Create)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓										
CO3	✓	✓										
CO4	✓	✓	✓	✓	✓							
CO5	✓	✓	✓				✓	✓	\checkmark			

Program	MCA
Course Full Title	Open Subject 9
Course Code	OS51
Course Credit	1
Semester	V
Internal	25
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	~	~	✓	\checkmark	~	~		~				

Program	MCA
Course Full Title	Open Subject 10
Course Code	OS52
Course Credit	1
Semester	V
Internal	25
External	NA





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Specialization	NA					
Core/Elective	Elective					
Course Outcomes: On successful completion of this course, the learner will be able to						
CO1	The motive behind keeping an open course is to make students aware					
	of current/upcoming trends in Information Technology and other					
	domains.					

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓	\checkmark	\checkmark	\checkmark	\checkmark		✓				

Program	MCA				
Course Full Title	Case Study on Implementation and Testing				
Course Code	CS51				
Course Credit	1				
Semester	V				
Internal	25				
External	NA				
Specialization	NA				
Core/Elective	Core				
Course Outcomes: On successful completion of this course, the learner will be able to					
CO1	The motive behind this subject is to guide the students to apply various				
	test cases and implement project.				

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓	✓	✓	✓	✓		✓				

Program	MCA				
Course Full Title	Soft Skill-V				
Course Code	SS51				
Course Credit	1				
Semester	IV				
Internal	25				
External	NA				
Specialization	NA				
Core/Elective	Core				
Course Outcomes: On successful completion of this course, the learner will be able to					
CO1	Preparing resumes CV-Covering letter (effective usage of MSWord)				





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CO2	Self-introduction during interviews Inter preparing for Interviews (Opening, body-answer Q, clo facing interviews, reviewing performance	views – Types of Interviews, se-ask Q), Types of questions,			
CO3	Participating in mock interviews				

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓								✓	~	~	\checkmark
CO2	✓								✓	✓	~	~
CO3	✓								✓	\checkmark	\checkmark	\checkmark

COURSE OUTCOMES MCA (2019 P) SEMESTER VI

Program	MCA
Course Full Title	Open Subject 11
Course Code	OS61
Course Credit	4
Semester	VI
Internal	100
External	NA
Specialization	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	The motive behind keeping an open course is to make students aware
	of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark				

Program	MCA
Course Full Title	Mini Project
Course Code	ITC61
Course Credit	16
Semester	VI
Internal	150
External	250
Specialization	NA
Core/Elective	Core


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Dr. Anamika Singh B.Sc., MBA, Ph.D., IMA (F.D.P) DIRECTOR

Course Outcomes: O	Course Outcomes: On successful completion of this course, the learner will be able to						
CO1	Understand the real-world problem. (Understand) (Apply)						
CO2	Express the need of the project through feasibility analysis and literature						
	review. (Understand)						
CO3	Determine the project plan using appropriate methodology. (Apply)						
CO4	Implement the project design pertaining to the problem. (Apply)						
CO5	Demonstrate communication and team-work skills.						
CO6	Build and test the solution. (Create)						

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓										
CO3	✓	✓										
CO4	✓	✓	✓	✓	✓							
CO5	✓	✓	✓				✓	✓	✓			

COURSE OUTCOMES MCA (2020 P) SEMESTER I

Program	MCA
Course Full Title	Java Programming
Course Code	IT11
Course Credit	3
Semester	Ι
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand Basic Concepts of OOPs, Java, Inheritance, Package.
	(Understand)
CO2	Understand Exception handling, arrays and Strings and multi-threading
	in Java (Understand.)
CO3	Understand collection framework (Understand)
CO4	Develop GUI using Abstract Windows Toolkit (AWT) and event
	handling (Apply)
CO5	Develop Web application using JSP and Servlet, JDBC (Apply)





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CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓										
CO3	✓	✓										
CO4	✓	✓	✓	✓	✓							
CO5	\checkmark	\checkmark	\checkmark				\checkmark	\checkmark	\checkmark			

Program	MCA
Course Full Title	Data Structure and Algorithms
Course Code	IT12
Course Credit	3
Semester	Ι
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Demonstrate linear data structures linked list, stack and queue (apply)
CO2	Implement tree, graph, hash table and heap data structures (apply)
CO3	Apply brute force and backtracking techniques (apply)
CO4	Demonstrate greedy and divide-conquer approaches (apply)
CO5	implement dynamic programming technique (apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓										
CO3	✓	✓										
CO4	✓	✓	✓	✓	✓							
CO5	✓	✓	✓				✓	\checkmark	\checkmark			

Program	MCA
Course Full Title	Object Oriented Software Engineering
Course Code	IT13
Course Credit	3
Semester	Ι
Internal	25





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External	50
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Distinguish different process model for a software development.
	(Understand)
CO2	Design software requirements specification solution for a given problem
	definitions of a software system. (Analyze)
CO3	Apply software engineering analysis/design knowledge to suggest
	solutions for simulated problems (Analyze)
CO4	Design user interface layout for different types of applications (Apply)
CO5	Recognize and describe current trends in software engineering
	(Understand)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓							✓				✓
CO2	✓											
CO3	✓		✓	✓						\checkmark		
CO4	✓					✓						

Program	МСА
Course Full Title	Operating Systems Concepts
Course Code	IT14
Course Credit	3
Semester	Ι
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand structure of OS, process management and synchronization.
	(Understand)
CO2	Understand multicore and multiprocessing OS. (Understand)
CO3	explain Realtime and embedded OS (Understand)
CO4	understand Windows and Linux OS fundamentals and administration.
	(Understand)
CO5	solve shell scripting problems (Apply)





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CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓											
CO3	✓		✓	✓						✓		
CO4	✓					✓						
CO5	✓					✓		~				

Program	MCA
Course Full Title	Network Technologies
Course Code	IT15
Course Credit	3
Semester	Ι
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand the basic concepts of Computer Network, and principle of
	layering (Understand)
CO2	Apply the error detection and correction techniques used in data
	transmission (Apply)
CO3	Apply IP addressing schemes and sub netting (Apply)
CO4	Understand the concept of routing protocols, Application layer protocols
	and Network Security (Understand)
CO5	Apply the socket programming basics to create a simple chat application
	(Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓											
CO3	✓		✓	✓						~		
CO4	✓	✓				✓		✓				

Program	MCA
Course Full Title	Practicals
Course Code	IT11L
Course Credit	5
Semester	Ι





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Internal	75					
External	50					
Core/Elective	Core					
Course Outcomes: On successful completion of this course, the learner will be able to						
CO1	Demonstrate Collection framework (Apply)					
CO2	Develop GUI using awt and swing (Apply)					
CO3	Develop Web application using JSP and Servlet, JDBC (Apply)					
CO4	Apply Data Structure to solve problems using JavaScript (Apply)					

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓						✓					
CO2	✓	✓	✓									
CO3	✓			✓				✓	✓			
CO4	✓	✓		✓			✓			\checkmark		\checkmark

Program	MCA					
Course Full Title	Mini Project					
Course Code	ITC11					
Course Credit	5					
Semester	Ι					
Internal	75					
External	50					
Core/Elective	Core					
Course Outcomes: On successful completion of this course, the learner will be able to						
CO1	Create working project using tools and techniques learnt in this semester					
	(Create)					

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	\checkmark	✓				\checkmark	\checkmark	\checkmark			

Program	MCA
Course Full Title	Open Course 1
Course Code	OC11
Course Credit	1
Semester	Ι
Internal	25





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External	NA
Core/Elective	Elective
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	CO1: The motive behind keeping an open course is to make students
	aware of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	✓	✓				✓	✓	✓			

Program	MCA
Course Full Title	Open Course 2
Course Code	OC12
Course Credit	1
Semester	Ι
Internal	25
External	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	CO1: The motive behind keeping an open course is to make students
	aware of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	\checkmark	✓				\checkmark	\checkmark	\checkmark			

Program	MCA
Course Full Title	Soft Skill 1
Course Code	SS11
Course Credit	1
Semester	Ι
Internal	25
External	NA
Core/Elective	Elective
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	To improve the vocabulary of English and competency for business
	English.
CO2	Use of language lab / English learning tools such as mobile apps like



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Dr. Anamika Singh B.Se., MBA, Ph.D., IMA (F.D.P) DIRECTOR

	Sling etc. are also encouraged and lot of listening practice, reading and
	understanding exposure should be given to the students.
CO3	Interested students may appear for Cambridge English exam
	after completion of 1st year.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	\checkmark	✓				\checkmark	\checkmark	✓			

COURSE OUTCOMES MCA (2020 P) SEMESTER II

Program	MCA
Course Full Title	Python Programming
Course Code	IT21
Course Credit	3
Semester	П
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand Demonstrate the concepts of python and modular programming. (Understand)
CO2	Apply the concepts of concurrency control in python (Apply)
CO3	Solve the real-life problems using object-oriented concepts and python
	libraries (Apply)
CO4	Demonstrate the concept of IO, Exception Handling, database (Apply)
CO5	Analyze the given dataset and apply the data analysis concepts and data
	visualization. (Analyze)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓	✓		✓			✓				
CO3	✓	✓	✓		✓			✓				
CO4	✓	✓	✓		✓			✓				
CO5	\checkmark	✓	✓		✓			\checkmark				



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Program	MCA
Course Full Title	Software Project Management
Course Code	IT22
Course Credit	3
Semester	Π
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand the process of Software Project Management Framework
	and Apply estimation techniques. (Apply)
CO2	Learn the philosophy, principles and lifecycle of an agile project.
	(Understand)
CO3	Demonstrate Agile Teams and Tools and Apply agile project
	constraints and trade-offs for estimating project size and schedule
	(Apply)
CO4	Explain Project Tracking and Interpretation of Progress Report
	(Understand)
CO5	Analyze Problem statement and evaluate User Stories (Analyze)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓							✓				✓
CO2	✓											
CO3	✓		✓	✓						\checkmark		
CO4	✓					✓						
CO5	\checkmark	\checkmark				\checkmark						

Program	MCA					
Course Full Title	Optimization Techniques					
Course Code	MT 21					
Course Credit	3					
Semester	П					
Internal	25					
External	50					
Core/Elective	Core					
Course Outcomes: On successful completion of this course, the learner will be able to						
CO1	Understand the role and principles of optimization techniques in					
	business world (Understand)					





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CO2	Demonstrate specific optimization technique for effective decision making (Apply)					
CO3	Apply the optimization techniques in business environments (Apply)					
CO4	Illustrate and infer for the business scenario (Analyze)					
CO5	Analyze the optimization techniques in strategic planning for optimal					

gain. (Analyze)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	\checkmark						✓				
CO3	✓	✓			✓			✓				
CO4	✓	✓		✓				✓				
CO5	\checkmark	\checkmark		\checkmark				\checkmark				

Program	MCA
Course Full Title	Advanced Internet Technologies
Course Code	IT23
Course Credit	3
Semester	П
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Outline the basic concepts of Advance Internet Technologies
	(Understand)
CO2	Design appropriate user interfaces and implements webpage based on
	given problem Statement (Apply)
CO3	Implement concepts and methods of NodeJS (Apply)
CO4	Implement concepts and methods of Angular (Apply)
CO5	Build Dynamic web pages using server-side PHP programming with
	Database Connectivity (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	\checkmark											
CO2	✓	✓	✓		✓			✓				
CO3	✓	✓	✓		✓			✓				
CO4	\checkmark	\checkmark	\checkmark		✓			\checkmark				
CO5	✓	✓	✓		✓			✓				





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Program	MCA
Course Full Title	Advanced DBMS
Course Code	IT24
Course Credit	3
Semester	П
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Describe the core concepts of DBMS and various databases used in real
	applications (Understand)
CO2	Design relational database using E-R model and normalization (Apply)
CO3	Demonstrate XML database and nonprocedural structural query
	languages for data access (Apply)
CO4	Explain concepts of Parallel, Distributed and Object-Oriented Databases
	and their applications (Understand)
CO5	Apply transaction management, recovery management, backup and
	security – privacy concepts for database applications (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓	✓		✓			✓				
CO3	✓	✓	✓		✓			✓				
CO4	✓	✓	✓		✓			✓				
CO5	✓	✓	✓		✓			✓				

Program	MCA
Course Full Title	Practicals
Course Code	IT21L
Course Credit	5
Semester	П
Internal	75
External	50
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Implement python programming concepts for solving real life problems.
	(Apply)
CO2	Implement Advanced Internet Technologies (Apply)



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CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓		✓			✓			~		✓
CO2	✓	✓		\checkmark			✓			\checkmark		✓

Program	MCA
Course Full Title	Mini Project
Course Code	ITC21
Course Credit	5
Semester	П
Internal	75
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Create working project using tools and techniques learnt in this semester
	(Create)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	✓	✓				✓	✓	✓			

Program	MCA
Course Full Title	Open Course 3
Course Code	OC21
Course Credit	1
Semester	П
Internal	25
External	NA
Core/Elective	Elective
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	CO1: The motive behind keeping an open course is to make students
	aware of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	~	✓				~	~	~			



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Program	MCA
Course Full Title	Open Course 4
Course Code	OC22
Course Credit	1
Semester	П
Internal	25
External	NA
Core/Elective	Elective
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	CO1: The motive behind keeping an open course is to make students
	aware of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	~	✓				✓	✓	✓			

Program	MCA
Course Full Title	Soft Skil
Course Code	SS21
Course Credit	1
Semester	П
Internal	25
External	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Team building, Team briefing, Role of Team leader, Conflict resolution,
	Methodology of Group discussions, Role Functions in Group
	Discussion, Improving group performance, Mock group discussions.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓								~	~	✓	✓





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COURSE OUTCOMES MCA (2020 P) SEMESTER III

Program	MCA
Course Full Title	Mobile Application Development
Course Code	IT31
Course Credit	3
Semester	III
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand Various Mobile Application Architectures. (Understand)
CO2	Apply different types of widgets and Layouts. (Apply)
CO3	Describe Web Services and Web Views in mobile applications.
	(Understand)
CO4	Implement data storing and retrieval methods in android. (Apply)
CO5	Demonstrate Hybrid Mobile App Framework. (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	\checkmark											
CO2	✓	✓										
CO3	✓	✓										
CO4	✓	✓	✓	✓	✓							
CO5	✓	✓	✓									

Program	MCA
Course Full Title	Data Warehousing and Data Mining
Course Code	IT32
Course Credit	3
Semester	III
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Understand the process of Software Project Management Framework
	and Apply estimation techniques. (Apply)
CO2	Learn and understand techniques of preprocessing on various kinds of
	data (Understand)



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CO3	Apply association Mining and Classification Techniques on Data Sets (Apply)
CO4	Apply Clustering Techniques and Web Mining on Data Sets (Apply)
CO5	Understand other approaches of Data mining (Understand)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	\checkmark								
CO4	✓	✓		✓	✓	✓	✓	✓				
CO5	\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark				

Program	MCA
Course Full Title	Software Testing and Quality Assurance
Course Code	IT 33
Course Credit	3
Semester	III
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Understand the role of software quality assurance in contributing to the
	efficient delivery of software solutions. (Understand)
CO2	Demonstrate specific software tests with well-defined objectives and
	targets. (Apply)
CO3	Demonstrate specific software tests with well-defined objectives and
	targets. (Apply)
CO4	Construct test strategies and plans for software testing. (Analyze)
CO5	Demonstrate the usage of software testing tools for test effectiveness,
	efficiency and coverage (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	✓								
CO4	✓	✓		✓	✓	✓	✓	✓				
CO5	\checkmark	\checkmark		\checkmark	✓	✓	\checkmark	\checkmark				



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Program	MCA
Course Full Title	Knowledge Representation and Artificial Intelligence: ML, DL
Course Code	IT34
Course Credit	3
Semester	III
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Apply Propositional Logic for knowledge representation. (Apply)
CO2	Understand basic building block of Artificial Intelligence and
	Knowledge Representation. (Understand)
CO3	Design various models based on Machine Learning methodology
	(Apply)
CO4	Design various models based on Deep Learning methodology (Apply)
CO5	Understand various hardware and software aspect used for AI and its
	application. (Understand)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓	✓						✓				
CO3	✓	✓			✓			✓				
CO4	✓	✓		✓				✓				
CO5	\checkmark	\checkmark		\checkmark	✓			\checkmark				

Program	MCA					
Course Full Title	Cloud Computing					
Course Code	IT35					
Course Credit	3					
Semester	III					
Internal	25					
External	50					
Core/Elective	Core					
Course Outcomes: O	Course Outcomes: On successful completion of this course, the learner will be able to					
CO1	Describe the concepts of Cloud Computing and its Service Models&					
	Deployment Models. (Understand)					





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CO2	Classify the types of Virtualization. (Und	lerstand)
CO3	Describe the Cloud Management and rela	te Cloud to SOA. (Understand)
CO4	Interpret Architecture and Pharrell Prog (Apply)	graming of Cloud Computing.
CO5	Demonstrate practical implementation of	Cloud computing. (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	✓								
CO4	✓	✓		✓	✓	✓	✓	✓				

Program	MCA
Course Full Title	Practicals
Course Code	IT31L
Course Credit	5
Semester	III
Internal	75
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Implement python programming concepts for solving real life problems.
	(Apply)
CO2	Implement Advanced Internet Technologies (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓	✓		✓			✓			✓		✓
CO2	✓	✓		✓			✓			\checkmark		\checkmark

Program	MCA				
Course Full Title	Mini Project				
Course Code	ITC31				
Course Credit	5				
Semester	III				
Internal	75				
External	50				
Core/Elective	Core				
Course Outcomes: On successful completion of this course, the learner will be able to					





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CO1	Create working project using tools and techniques learnt in this semester
	(Create)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	~	~				✓	~	~			

Program	MCA
Course Full Title	Open Course 5
Course Code	OC31
Course Credit	1
Semester	III
Internal	25
External	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	CO1: The motive behind keeping an open course is to make students
	aware of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	✓	✓				\checkmark	✓	✓			

Program	MCA
Course Full Title	Open Course 6
Course Code	OC32
Course Credit	1
Semester	III
Internal	25
External	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	CO1: The motive behind keeping an open course is to make students
	aware of current/upcoming trends in Information Technology and other
	domains.

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	✓	✓	✓				\checkmark	✓	\checkmark			





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Program	MCA
Course Full Title	Soft Skil
Course Code	SS31
Course Credit	1
Semester	III
Internal	25
External	NA
Core/Elective	Elective
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Preparing resumes & amp; CV-Covering letter (effective usage of
	MSWord) Self introduction during interviews Interviews – Types of
	Interviews, preparing for interviews (Opening, body-answer Q, close-
	ask Q), Types of questions, facing interviews, reviewing performance
	Participating in mock interviews

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓								✓	\checkmark	\checkmark	\checkmark
CO2	✓								✓	\checkmark	\checkmark	\checkmark
CO3	✓								\checkmark	\checkmark	\checkmark	~
CO4	✓								✓	✓	\checkmark	✓

COURSE OUTCOMES MCA (2020 P) SEMESTER IV

Program	MCA
Course Full Title	DevOps
Course Code	IT41
Course Credit	3
Semester	IV
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	on successful completion of this course, the learner will be able to
CO1	Describe the evolution of technology & timeline (Understand)
CO2	Explain Introduction to various Devops platforms (Remember)
CO3	Demonstrate the building components / blocks of Devops and gain an
	insight of the Devops Architecture. (Understand)





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CO4	Apply the knowledge gain about Devops approach across various domains (Apply)
CO5	Build DevOps application (Apply)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	✓								
CO4	✓	✓		✓	✓	✓	✓	✓				
CO5	✓	✓		\checkmark	\checkmark	✓	✓	✓				

Program	MCA
Course Full Title	PPM and OB
Course Code	MB41
Course Credit	3
Semester	IV
Internal	25
External	50
Core/Elective	Core
Course Outcomes: O	n successful completion of this course, the learner will be able to
CO1	Describe and analyze the interactions between multiple aspects of
	management. (Understand)
CO2	Analyze the role of planning and decision making in Organization
	(Analyze)
CO3	Justify the role of leadership qualities, Motivation and Team Building.
	(Analyze)
CO4	Analyze stress management and conflict management (Analyze)
CO5	Describe Personality and Individual Behavior (Understand)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	✓											
CO2	✓							✓				
CO3	✓		✓	✓								
CO4	✓	✓		✓	✓	✓	✓	✓				
CO5	\checkmark	\checkmark		\checkmark	✓	✓	✓	\checkmark				



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Program	MCA
Course Full Title	Mini Project
Course Code	ITC41
Course Credit	5
Semester	IV
Internal	250
External	300
Core/Elective	Core
Course Outcomes: O	In successful completion of this course, the learner will be able to
CO1	Create working project using tools and techniques learnt in this semester
	(Create)

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO5	\checkmark	\checkmark	✓				\checkmark	\checkmark	\checkmark			

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Dr.Anamika Singh Director





SINHGAD TECHNICAL EDUCATION SOCIETY:S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION (Attrived to Basebilia) Proje Page University & Appender by Artiffe)



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Pool, M. N. Navale, M.E. Wash, M.E. MEA, FOUNDER PRESENT

Dr. (Wes.) Sananda M. Navado B.A. (J. P. G. H. D. FOUNDER SECRETARY

Dr. Anamika Singh El Sc. Mith Anto , eMAIP.D.P) Director

PROGRAM OUTCOMES OF MBA

Program		MBA (Master of Business Administration)						
Syllabus	Pattern	Revised Syllabus 2019 Pattern						
Program	Credits	110						
Duration		4 Semesters (2 years)						
Program	Outcomes: Outcome	At the end of the MBA programme the learner will possess the following						
PO1	Generic and app domains	and Domain Knowledge - Ability to articulate, illustrate, analyze, synthesize ly the knowledge of principles and frameworks of management and allied to the solutions of real-world complex business issues						
PO2	Problem solution systemat techniqu	Solving & Innovation - Ability to Identify, formulate and provide innovative frameworks to real world complex business and social problems by tically applying modern quantitative and qualitative problem solving tools and es.						
PO3	Critical problem driven de	Itical Thinking - Ability to conduct investigation of multidimensional business oblems using research based knowledge and research methods to arrive at data iven decisions						
PO4	Effective in techn society a	Communication - Ability to effectively communicate in cross-cultural settings, ology mediated environments, especially in the business context and with t large						
POS	Leadersh across or organiza	nip and Team Work - Ability to collaborate in an organizational context and ganizational boundaries and lead themselves and others in the achievement of tional goals and optimize outcomes for all stakeholders.						
PO6	Global C business aspects of	rientation and Cross-Cultural Appreciation: Ability to approach any relevant issues from a global perspective and exhibit an appreciation of Cross Cultural of business and management.						
PO7	Entrepre manager professio	neurship - Ability to identify entrepreneurial opportunities and leverage ial & leadership skills for founding, leading & managing startups as well as malizing and growing family businesses.						
POB	Environn sustainal priorities	nent and Sustainability - Ability to demonstrate knowledge of and need for the development and assess the impact of managerial decisions and business on the societal, economic and environmental aspects.						
PO9	Social Re and valu digitized behavior	Inclai Responsiveness and Ethics - Ability to exhibit a broad appreciation of the ethicated value underpinnings of managerial choices in a political, cross-cultural, globalized gitized, socio-economic environment and distinguish between ethical and unethicated ehaviors & act with integrity.						
PO10	LifeLong knowled	LifeLong Learning – Ability to operate independently in new environment, acquire new knowledge and skills and assimilate them into the internalized knowledge and skills.						





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Prof. M. N. Navale N.S. (Euc.) MS. MSA POUNDER PRESIDENT

Dr. (Mis.) Sunanda M. Navale B.A. M.P. M. Po. D FOUNDER BEEDESARY

Dr. Anamika Singh B.(H., 1965, 94 D., 1945, (HDP) BRECTOR

COURSE OUTCOMES MBA (2019 P) SEMESTER I

	-		in a state of	converting			Evalua	tion: IE (5	0:50)				
Semester I	2.010	101 - Ma	nagerial A	ccounting		-	Comp	ulsory Gen	eric Core	Course			
3 Credits	100	LTP: 2:1:1	1.1.1	to the learner will be able to									
ourse Outo	omes: 0	In successfu	I complet	ion of the	course the	e learner v	vin be abit						
¢0#	COGNITIVE		COURS	COURSE OUTCOMES									
CO101.1	REME	MBERING	DESCRI Cost A	DESCRIBE the basic concepts related to Accounting, Financial Statements, Cost Accounting, Marginal Costing, Budgetary Control and Standard Costing									
CO101 7	UNDE	RSTANDING	EXPLA	EXPLAIN in detail, all the theoretical concepts taught through the synapoin									
CO101.3	APPLY	APPLYING		PERFORM all the necessary calculations through the resevant numerical problems. ANALYSE the situation and decide the key financial as well as non-financial elements involved in the situation.									
CO101.4	ANAL												
CO101.5	EVAL	IATING	EVALU	ATE the fi	nancial im	ancial impact of the decision.							
CO101.6	CREAT	TING	CREAT	CREATE the Financial Statement of Sole Proprietor, Cost Sheet and Budgets									
1.00	-	1000	and street		1		0.07	0.08	809	P010			
	PO1	PO2	PO3	P04	P05	P06	104	PUB	rus	111			
	the second s												

	POI	PO2	PO3	PO4	P05	P06	P07	PUB	Pus.	1010
c01	V								12	V
001	10	1.1.1	-							1
CO2	V	V	-	V	-	-	-	-		11
CO3	1		V			-	-	1.2		1.
CO4	1.000	1.15	V		-	1	IV	V	-	r
CO5	-		1	1.0	*	V	V		C	V
CO6	Sec. 1.	12.5.2	11	V			V		-	V





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Prof. M. N. Navale M.E. Elan DEL MA FOUNDER PRESIDENT

Dr. (Mrs.) Sunancia M. Alsonie R.A. XX P.M., Pr. D FOUNDER SECRETARY

Dr. Anomika Bingh B.Br., Mille, PK D., HMA (F.D.P.) Drikotron

Semester	1	102 - Orga	inizational Behaviour	Evaluation: JE (50:50)				
3 Credits		LTP: 2:1:1		Compulsory Generic Core Course				
Course Out	comes: (On successful	completion of the course the lear	ner will be able to				
CON	COGN	ITIVE	COURSE OUTCOMES					
CO102.1	REME	MBERING	DESCRIBE the major theories, concepts, terms, models, frameworks and research findings in the field of organizational behavior					
CO102.2	CO102.2 UNDERSTANDING		EXPLAIN the implications of organizational behavior from the perspectives of employees, managers, leaders and the organization.					
CO102.3	APPLY	ING	MAKE USE OF the Theories, Models, Principles and Frameworks of organizational behavior in specific organizational settings					
CO102.4 ANALYSING		rsing	DECONSTRUCT the role of individual, groups, managers and leaders in influencing how people behave and in influencing organizational culture at large.					
CO102.5 EVALUATING		JATING	FORMULATE approaches to reorient individual, team, managerial and leadership behaviour in order to achieve organizational goals.					
CO102.6	CREATING		ELABORATE UPON the challenges in shaping organizational behavior, organizational culture and organizational change					

	PD1	PO2	PO3	PO4	PO5	PO6	P07	POS	PO9	PO10
CO1						5				-
CO2						1-		~	0.1	-
CO3				-	1				~	
CO4		1		~						
COS					~		1			-
CO6	~				-	1		-		1-





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Prof. M. N. Nevale	Dr. (Mes.) Summers M. Novale	Dr. Anamika Singh
V.E. (Sec), M.E. UBA	B.A. M.F.N., Pt. D	D.St., MB4, 19 D., MM4, 9 D.M
FOUNDER PRESIDENT	FOUNDER SECRETARY	Disportom
FOUNDER PRESEDENT		

Semester I 103 – Economic Analysis for Business Decisions Evaluation				Evaluation: IE (50:50)			
3 Credits		LTP: 2:1:1		Compulsory Generic Core Course			
Course Out	comes: O	n successful	completion of the course the learner w	ill be able to			
CO#	COGNI	TIVE	COURSE OUTCOMES				
CO103.1	REMEN	MBERING	DEFINE the key terms in micro-econom	nics.			
CO103.2	UNDER	RSTANDING	EXPLAIN the key terms in micro-economics, from a managerial perspective.				
CO103.3	APPLY	ING	IDENTIFY the various issues in an economics context and DEMONSTRATE their significance from the perspective of business decision making.				
CO103.4	CO103.4 ANALYSING		EXAMINE the inter-relationships between various facets of micro-economics from the perspective of a consumer, firm, industry, market, competition and business cycles.				
CO103.5 EVALUATING		IATING	DEVELOP critical thinking based on principles of micro-economics for informed business decision making.				
CO103.6 CREATING		ING	ANTICIPATE how other firms in an industry and consumers will respond to economic decisions made by a business, and how to incorporate these responses into their own decisions.				

	PO1	PO2	PO3	PO4	POS	PO6	P07	PO8	PO9	PO10
CO1	V					~			-	
CO2			V							
CO3				37	~		1			-
CO4		V		100			V			1.1
CO5		V		51.0			V	100		~
CO6			V	18. N						





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Prof. M. N. Marcala	Dr. (Mrs.) Benanda M. Novalo	Dr. Anamika Singh
NOE (Find) MIL MIL	自本:秋:护村, P0-0.	B.S.S. MIGA PE G, HMA S 1919
FOUNDER PRESIDENT	FOUNDER SECRETARY	BHILGTON

Semester I 104 - Busin 3 Credits LTP: 2:1:1		- Business Research Methods	Evaluation: IE (50:50)				
		: 2:1:1	Compulsory Generic Core Course				
ourse Out	comes: On suc	cessful completion of the course the l	learner will be able to				
CO#	COGNITIVE ABILITIES	COURSE OUTCOMES	COURSE OUTCOMES				
CO104.1	REMEMBER	NG DEFINE various concepts & te research.	erms associated with scientific business				
CO104.2	UNDERSTAN	DING EXPLAIN the terms and conce research.	EXPLAIN the terms and concepts used in all aspects of scientific business research.				
CO104.3	APPLYING	MAKE USE OF scientific princi business research problems.	MAKE USE OF scientific principles of research to SOLVE contemporary business research problems.				
CO104.4	ANALYSING	EXAMINE the various facets of relevant aspects of the resear perspective.	EXAMINE the various facets of a research problem and ILLUSTRATE the relevant aspects of the research process from a data driven decision perspective.				
CO104.5	EVALUATING	3 JUDGE the suitability of altern collection instruments and da real-life business research pro	native research designs, sampling designs, data ata analysis options in the context of a given oblem from a data driven decision perspective.				
CO104.6	CREATING	FORMULATE alternative rese- instruments, testable hypoth reports to address real-life bu	FORMULATE alternative research designs, sampling designs, data collection instruments, testable hypotheses, data analysis strategies and research reports to address real-life business research problems.				

	PO1	PO2	PO3	PO4	POS	PO6	PO7	PO8	PO9	PO10
CO1	V							1115		
CO2	V	V	V			V		V	V	12
CO3			V	V	1.00				-	
CO4	V			1	1000					
CO5		V	1							-
CO6		- 63		1		1.00				





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Prof. M. N. Navale N.E. (Em), MC, MAA FOUNDER PRESIDENT

Dr. (Mrs.) Santanda M. Novale B.A. M.P. U. PS. D. FOUNDER SCORETARY

Dr. Axamika Singh E.St., MRA, Pr. D., RMA, S.D.M. ERKCTDA

Semester	Semester 1 105 - Basic		ts of Marketina					
3 Credits	3 Credits ITP: 2-1-1		is of marketing	Evaluation: IE (50:50)				
Course Out	comes: C	In successful	Compulsory Generic Core					
CO#	COGN	TIVE	COURSE OUTCOMES					
CO105.1	REME	MBERING	RECALL and REPRODUCE the v terms related to the function a	arious concepts, principles, frameworks and				
CO105.2	UNDERSTANDING		DEMONSTRATE the relevance of marketing management concepts and frameworks to a new or existing business across wide variety of sectors and ILLUSTRATE the role that marketing plays in the 'tool kit' of every organizational leader and manager					
CO105.3	APPLYING		APPLY marketing principles and theories to the demands of marketing function and practice in contemporary real world scenarios					
CO105,4	4 ANALYSING		EXAMINE and UST marketing issues pertaining to segmentation, targeting and positioning, marketing environmental forces, consumer buying behavior marketing mix and Product Life Cycle in the context of real world marketing offering (commodities, enody services a product of real world marketing					
CO105.5	05.5 EVALUATING		EXPLAIN the interrelationships between segmentation, targeting and positioning, marketing environment, consumer buying behavior, marketing mix and Product Life Cycle with real world expension					
CO105.6 CREATING		ING	DISCUSS alternative approaches to segmentation, targeting and positioning, the marketing environment, consumer buying behavior, marketing mix and Product Life Cycle in the context of real world marketing offering (commodities, goods, services, e-products/ e-services.)					

	PO1	POZ	PO3	PO4	PO5	P06	P07	POS	PO9	PO10
CO1	1	1.2		-						10.30
coz			~						1.5	-
CO3		~	-			-	1	/		-
CO4	200	1		1	/	-	V	~	. /	-
CO5	1	1			V	. /	-	1	~	-
CO6		-				~	-	-	_	2

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Frot. M. N. Navara

Dr. (Mrs.) Sunarsta M. Novala (r.k., t/r P. M., Pr. D. FOUNDER SECNETARY Dr. Anamiko Singh B.Se. Mitta, IA D. IMA (P.D.IM BARSCTOR

Semester I	106 - Di	jital Business	Evaluation: IE (50:50)				
3 Credits	LTP: 2:1	1	Compulsory Generic Core Course				
ourse Outo	omes: On success	ul completion of the course the	learner will be able to				
COII	COGNITIVE	COURSE OUTCOMES					
CO106.1	REMEMBERING	DESCRIBE the conceptua commerce and social co	DESCRIBE the conceptual framework of e commerce, mobile commerce and social commerce.				
CO106.2 UNDERSTANDING		SUMMARIZE the impact of information, mobile, social, digital, IOT and related technologies on society, markets & commerce.					
CO106.3	APPLYING	ILLUSTRATE value creati Business environment.	ILLUSTRATE value creation & competitive advantage in a digital Business environment.				
CO106.4	ANALYSING	EXAMINE the changing of supply chain and pay world.	role of intermediaries, changing nature ment systems in the online and offline				
CO106.5	EVALUATING	ELABORATE upon the va and OUTLINE their bene	arious types of digital business models efits and limitations.				
CO106.6	CREATING	DISCUSS the various applications of Digital Business in the present day world.					

	P01	POZ	PO3	PO4	POS	P06	P07	POS	PO9	PO10
CO1	V		1							
CO2	V	V	1.5.				0.000			1.0
CO3	011	V	V	6	1.11	100				V
CO4			1	1.		V.	V	2.00	V	
COS	V				V					V
CO6	1000	12.5	V	V	V	V	V	V	4	V





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Semester I 107 – Man 2 Credits LTP: 2:0:0		- Manager	nent Fundamentals	Evaluation: IE (00:50)			
		: 2:0:0		Generic Elective – University Level			
Course Ou	tcomes: On su	iccessful con	npletion of the course the le	earner will be able to			
CO#	CO# COGNITIVE ABILITIES		COURSE OUTCOMES				
CO107.1 REMEMBERING		NG ENI ma	ENUMERATE various managerial competencies and approaches to management.				
CO107.2 UNDERSTANDING		IDING EXP	EXPLAIN the role and need of Planning, Organizing, Decision Making and Controlling.				
CO107.3	CO107.3 APPLYING		MAKE USE OF the principles of goal setting and planning for simple as well as complex tasks and small projects.				
CO107.4	CO107.4 ANALYSING		COMPARE and CONTRAST various organizational structures of variety of business and not-for-profit entities in a real world context.				
¢0107.5	CO107.5 EVALUATING		BUILD a list of the decision making criteria used by practicing managers, leaders and entrepreneurs in routine and non-routine decision making situations and EVALUATE and EXPLAIN the same.				
CO107.6	CO107.6 CREATING		FORMULATE and DISCUSS a basic controlling model in a real life business, startup and not-for-profit organizational context.				

	PO1	PO2	PO3	P04	PO5	POG	PO7	PO8	PO9	P010
C01	~									
CO2						~				
C03				V	20					V
CO4		10	V							
C05		-					V	V	V	
CO6										





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Peut. M. H. Nevale V. L. Sieck Mill, MilA	Dr. (Mrs.) Bursteda M. Navalla S.A. M.C. M. Ph. D. FOUNDER RECRETARY	Br. Anamika Singh B Sc., MOA, PA D, (MAX, 01010) ginsctron
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Competer I	-	109 - Entre	eprencurship Development	Evaluation: IE (00:50)				
3 Credity	-	ITP: 2:0:0		Generic Elective - University Level				
2 Creans		in successful	completion of the course the learn	her will be able to				
CO#	COGN	TIVE	COURSE OUTCOMES					
CO109.1	REME	MBERING	DEFINE the key terms, LIST the At Entropreneurs features and ENUM Entrepreneurship Growth.	tributes and Characteristics of MERATE the Factors influencing				
CO109.2	UNDE	RSTANDING	DISCUSS various theories of entrepreneurship and the entrepreneurship development ecosystem in Indian context.					
CO109.3	APPLY	ING	APPLY the theories of entrepreneurship and entrepreneurship development framework to analyze and identify entrepreneurial opportunities.					
CO109.4	ANAL	YSING	DISCRIMINATE between potential options available for entrepreneur for embarking on establishing a Start Up					
CO109.5	EVAL	JATING	EVALUATE the startup ecosystem light of requirements of a busine	a and the entrepreneurial opportunities in ss plan.				
CO109.6	CREA	TING	CREATE a business plan that capt entrepreneur motivations, entre and financing options.	tures entrepreneurs and variety of preneur culture and sectoral opportunities				

-	PO1	POZ	PO3	P04	PO5	P06	PO7	PO8	P09	PO10
CO1	V	· · · · · ·						1		-
CO2		1	1		-				-	
CO3		~	/	/	-	1		-	1	1
CO4		1.1	14		-	-	~	-	1.	-
CO5			4-1-1		~					
COE						~				



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Dr.	(Mrs.) Sunanda M. Nav	1
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	FOUNDER SECRETARY	

Dr. Anarelica Singh E Re., MOA, PR.D., MAA(P.D.M. Detection

Prof. M. N. Navale POUNDER PRESIDENT

		III Logal	Aspects of Business	Evaluation: IE (00:50)				
Semester 1		III - rega	Aspecto or other	Generic Elective - University Level				
2 Credits		TP: 2:0:0	table course the le	arner will be able to				
ourse Outo	comes: On:	successful	completion of the course the le					
CO#	COGNITI	VE	COURSE OUTCOMES					
CO111.1	REMEMBERING		DESCRIBE the key terms involved in each Acc.					
CO111.2	UNDERS	TANDING	SUMMARIZE the key legal provisions of each Act.					
CO111.3	APPLYIN	G	ILLUSTRATE the use of the Acts in common of each Act from a legal and					
CO111.4	ANALYSI	NG	OUTLINE the various facets of managerial perspective	basic case investor contribution of various				
CO111.5	EVALUA	TING	DEVELOP critical thinking by m provisions of the Acts in busin	DEVELOP critical thinking by making judgments related to use of various provisions of the Acts in business situations				
0111.6								

							007	POS	PO9	PO10
	PO1	PO2	PO3	P04	PQ5	P05	POT	100		-
CO1	1	1.0				-				10
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CO3	1.1		1	X	V	1	1	120	1	
CO4	V		~		- /	1 v	Č	- se		
CO5	1			V	~		-		1	1.1.1
CO6	1./					-				





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Dr. Anamika Singh B SC. NILA PR D. MARIE D PI BRECTOR

Freit M. N. Navale FOUNDER PRESIDENT

Evaluation: IE (50:00) 113 - Verbal Communication Lab Generic Elective - Institute Level Semester I LTP: 0:3:1 Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CON RECOGNIZE the various elements of communication, channels of ABILITIES REMEMBERING communication and barriers to effective communication. CO113.1 EXPRESS themselves effectively in routine and special real world business UNDERSTANDING CO113.2 interactions. DEMONSTRATE appropriate use of body language. TAKE PART IN professional meetings, group discussions, telephonic calls, APPLYING CO113.3 ANALYSING elementary interviews and public speaking activities. CO113.4 APPRAISE the pros and cons of sample recorded verbal communications in a EVALUATING CO113.5 business context. CREATE and DELIVER effective business presentations, using appropriate CREATING technology tools, for common business situations. CO113.6

1000			C			I come	007	POS	PO9	PO10
-	PO1	POZ	PO3	P04	PO5	POB	PUT	FUE	1.42	1
CO1	V				-	~		-		15
CO2	~	1	1		- 1	1×			1.1.1	1
CO3	~		1	~	V	1×7	1	V	1 .	10
CO4	1		-	-		1~T				1
CO5	V					+~		-	V	TV.
CO6	11		-	V	-	~	-		-	





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F Jorga Provide Land	mail: decine and comparts reprinted	Dr. Anamika Singh
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Prot. M. N. Naville M.E. Hinn, M.E. MMA FOUNDER PRESIDENT

			Dark Baraneth	Evaluation: IE (50:00)
Semester I		114 - Enter	prise Analysis - Desk Research	Generic Elective - Institute Level
2 Credits		LTP: 0:3:1	tol some the learner	r will be able to
Course Outo	omes: 0	On successful	completion of the course the learne	
CON	COGN	TIVE	COURSE OUTCOMES	in a dat calated financial
CO114.1	REME	MBERING	DESCRIBE the key historical, organi governance, leadership and social to business organization.	responsibility dimensions of a real world
C0114.2	UNDE	RSTANDING	SUMMARIZE the regional, national business organization.	and global footprint of a rear works
CO114.3	APPL	YING	DEMONSTRATE the use of second a real world business organization	ary - offline and online resources to prese
CO114.4	ANA	LYSING	ANALYSE, using tables and charts, performance of a real world busin	the trends in market standing and market
CO114.5	EVAL	UATING	COMPOSE a succinct summary of organization the company websit information available in the public	future plans of a real world business e, shareholders reports and other ic domain.
CO114.6	CRE	ATING	IMAGINE the key challenges and organization in the immediate fu	opportunities for a real world business ture (1 to 3 years).

					1	nec	0.07	PO8	PO9	PO10
	PO1	PO2	PO3	P04	POS	P06	PUT	ruo		
CO1	~		-		-		1	-	V	
CO2	1				-	-	K	-	-	-
CO3				1			-	1	-	1
CO4				1	~		-	V	-	-
CO5			1	1.11	-	1-	-	-	-	1
COG		V					1	-	-	12

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Dr. (Mrs.) Sunanuts M. Navala BA. M.P.M. PH.D.

Dr. Anamika Sirgh B.Sc. NDA, (R.D., (NA) (F13.P) DMACTOR

Evaluation: IE (50:00) 116 - MS Excel Semester I Generic Elective - Institute Level LTP: 0:3:1 2 Credits Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES SELECT appropriate menus and functions of MS Excel to Create, Format, REMEMBERING CO116.1 Import, Merge, Save, Print Spreadsheets & Charts using business data. SHOW how to do basic troubleshooting and fix mistakes most people make CO116.2 UNDERSTANDING when working with spreadsheets. USE various functions of MS Excel, Execute pivot table analysis, common APPLYING CO116.3 (and powerful functions), and different types of lookups (vlookup, hlookup, and index/match). ILLUSTRATE the use of the most commonly used data-manipulation ANALYSING CO116.4 commands in MS Excel. DERIVE insights from multiple data sources in MS EXCEL and work with it to EVALUATING CO116.5 answer relevant business questions. CREATE standard Excel Templates for routine business data management CREATING CO116.6 and analysis activities.

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	PO1	POZ	PO3	PO4	POS	PUD	107	100	1.02	
CO1			~							-
CO2	V					-	_	-	-	-
CO3				~					-	-
CO4	V							6		
CO5						~				-
CO6					~					V



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Prof. M. N. Navals M.E. (Dar), MF, MBA FOUNDER PRESIDENT, (11, 1

TLA M.P.M.P.D. FOUNDER SECRETARY

Dr. Anamika Birgh Billing, Misk Peril, 1995 (1997) Diff.C1D4

Semester I	1	201 - Mari	ceting Management	Evaluation: IE (50:50)			
3 Credits		LTP: 2:1:1	All and the second s	Compulsory Generic Core Course			
ourse Outo	omes: Or	n successful	completion of the course the le	arner will be able to			
CO#	COGNIT	rive Es	COURSE OUTCOMES				
CO201.1	REMEN	ABERING	DESCRIBE the key terms associ	iated with the 4 Ps of marketing.			
CO201.2	UNDER	STANDING	COMPARE and CONTRAST various approaches to pricing for a real world marketing offering (commodities, goods, services, e-products/ e-services.)				
CO201.3	APPLYI	NG	DEMONSTRATE an understand marketing offering (commodit	ding of various channel options for a real world ties, goods, services, e-products/ e-services.)			
CO201.4	ANALY	SING	EXAMINE the product line of a goods, services, e-products/ e	a real world marketing offering (commodities, -services.)			
CO201.5 EVALUATING			EXPLAIN the role of various communication mix elements for a real world marketing offering (commodities, goods, services, e-products/ e-services.)				
CO201.6	CREAT	ING	DESIGN a marketing plan for a goods, services, e-products/ e	a real world marketing offering (commodities, e-services.)			

-	PO1	POZ	PO3	P04	POS	PO6	P07	P08	PO9	PO10
CO1	~	-								
CO2			1				1		1	
CO3	V				~			1	-	V
CO4		1		+		-			1	-
CO5			1	~	2	~		1		1
CO6		V				-				10

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ANNOCH PRESIDENT	POWDER SEGRETARY	DREETOR
AUX80 ANS 07/2007/2007		

Semester II 202 - Finan			cial Management	Evaluation: IE (50:50)			
3 Credits	-	LTP: 7:1:1	Compulsory Generic Core C				
Auree Outr	omes: 0	in successful	completion of the course the le	arner will be able to			
CO# COGNITIVE		TIVE	COURSE OUTCOMES				
CO202.1	202.1 REMEMBERING DESCRIBE the basic concepts related to Financial Manage techniques of Financial Statement Analysis, Working Cap Structure, Leverages and Capital Budgeting.						
CO202.2	UNDER	RSTANDING	EXPLAIN in detail all theoretical concepts throughout the syllabus				
CO202.3	APPLY	ING	PERFORM all the required calc	aired calculations through relevant numerical problems.			
CO202.4	ANALY	rsing	ANALYZE the situation and • comment on financial position • estimate working capital reo • decide ideal capital structure • evaluate various project pro	on of the firm puired e posals			
CO202.5	EVAL	JATING	EVALUATE impact of business Capital, Capital Structure and	decisions on Financial Statements, Working Capital Budgeting of the firm			
C0202.5	CREA	TING					

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	POI	PUZ	105	1.0.1	1.00				11	
CO1		V		_			-		V	1/
CO2			V			~		-	-	V
CO3			~		V	-	~			
CO4		1		~		10	-		10	17
CO5	V		2		V		-	V		V
CO6		V	V			10	1			12







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Dr. Anamika Singh B.B., MDA, Ph.D., AMA (F.D.P.) DHIECTOR

Semester	1	203 - Hum	an Resource Management	Evaluation: IE (50:50)			
3 Credits		LTP: 2:1:1		Compulsory Generic Core Course			
Course Out	comes: O	n successful	completion of the course the learn	ner will be able to			
CO#	COGNI	TIVE	COURSE OUTCOMES				
CO203.1	REMER	MBERING	DESCRIBE the role of Human Reso	ource Function in an Organization.			
CO203.2	203.2 REMEMBERING		ENUMERATE the emerging trends and practices in HRM.				
CO203.3	UNDER	STANDING	ILLUSTRATE the different method	s of HR Acquisition and retention			
CO203.4	APPLY	ING	DEMONSTRATE the use of different Organization.	nt appraisal and training methods in an			
CO203.5	ANALY	SING	OUTUNE the compensation strate	egies of an organization			
CO203.6	EVALU	ATING	INTERPRET the sample job descrip contemporary entry level roles in	ptions and job specifications for real world organizations.			

- 3	PO1	PO2	PO3	PO4	POS	P06	PO7	208	PO9	PO10
CO1	1/	-	1	1.00						
CO2			V				1	-		-
CO3		Nie			-	4	1		12	12
CO4				100			1		K	
COS	1		1		12	V	1-	1	-	-
CO6				/		-	-	10	-	



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 B.A. U.P. M. M. A. O.
 D.S., NOA, Ph.D.

 FOUNDER PRESIDENT
 POUNDER RECEPTARY
 EMECTOR

Semester II 204 - Operations & Supply Chain Management Evaluation: IE (50:50) **3** Credits LTP: 2:1:1 **Compulsory Generic Core Course** Course Outcomes: On successful completion of the course the learner will be able to CON COGNITIVE COURSE OUTCOMES ABILITIES CO204.1 REMEMBERING DEFINE basic terms and concepts related to Production, Operations, Services, Supply Chain and Quality Management. CO204.2 EXPLAIN the process characteristics and their linkages with process-product. UNDERSTANDING matrix in a real world context. CO204.3 UNDERSTANDING DESCRIBE the various dimensions of production planning and control and their inter-linkages with forecasting. CO204.4 APPLYING CALCULATE inventory levels and order quantities and MAKE USE OF various inventory classification methods. OUTLINE a typical Supply Chain Model for a product / service and CO204.5 ANALYSING ILLUSTRATE the linkages with Customer Issues, Logistic and Business Issues in a real world context. CO204.6

	P01	POZ	PO3	PD4	PO5	P06	PO7	POB	P09	PO10
CO1	V							•		
CO2					V					1
CO3				+1		V	1011	1		1.11
CO4				1					~	
CO5			V							1.1
CO6		~					~			-





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FOUNDER PRESIDENT	FOUNDER SECRETARY	DHIECTOR

Semester I	1	207 - Cont	emporary Frameworks in Management Evaluation: IE (00:50)				
2 Credits	_	LTP: 2:0:0	2	Generic Elective - University Level			
Course Oute	omes:	On successful	completion of the course the learner will	be able to			
CON	COGN	VITIVE TIES	COURSE OUTCOMES				
CO207.1	REME	EMBERING	DEFINE Emotional Intelligence (EQ), IDE Intelligence and RELATE the 5 Dimension emotional intelligence	NTIFY the benefits of emotional ns of Trait El Model to the practice of			
CO207.2	UND	ERSTANDING	DESCRIBE how companies achieve transition from being good companies to great companies, and DISCUSS why and how most companies fail to make the transition.				
CO207.3	APPL	YING	APPLY the 21 laws that make leadership work succesfully to impro- leadership ability and ILLUSTRATE its positive impact on the whole organization				
CO207.4	ANAL	YSING	EXAMINE the fundamental causes of or	ganizational politics and team failure.			
CO207.5	0207.5 EVALUATING		EXPLAIN the approach to being effective in attaining goals by aligning onese to the "true north" principles based on a universal and timeless character ethic.				
CO207.6							

	P01	PO2	PO3	PO4	POS	P06	PO7	POS	PO9	PO10
CO1	~		1. 41. 11			1				
CO2	~		1	1	Sec		1		1.1	
CO3	1	~	~		1	1	1		~	
CO4	1	V		-		1	ž	1		~
CO5	V			~		1				1
CO6		V			1.1.1			-	/	



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Peol. M. N. Navale	Dr. (Mrs.) Bunninds W. Navale	Dr. Anamika Singh
M.E. (Dec), MC, NHA	T.A. M. I.M. (Pr. D)	B.Sc., MDA, PA.D., PMA(F.D.P)
COLNORS PRESIDENT	Founder Secretary	BHECTON

Semester I	1 20	8 - Geop	olitics & World Economic Systems	Evaluation: IE (00:50)			
2 Credits	2 Credits LTP: 2:0:0			Generic Elective – University Level			
Course Out	comes: On su	accessful	completion of the course the learner of	will be able to			
CO#	COGNITIVE ABILITIES		COURSE OUTCOMES				
CO208.1	REMEMBERING		ENUMERATE the various elements of global economic system.				
CO208.2	UNDERST/	NDING	EXPLAIN the role of key trade organizations in the global economic system.				
CO208.3	APPLYING	-	INDENTIFY the crucial elements of international trade laws.				
CO208.4	ANALYSIN	G	ANALYSE the forces that work for and against globalization.				
CO208.5	EVALUATING		ASSESS the impact of the elements of the Global Economic System on the India Economy.				
CD208.6							

-	P01	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10
CO1	V		1						1	
COZ		~						-		
CO3			~	5		_	-		1	-
CO4		~			5	~		10		-
CO5				+3			1			
CO6				S						10



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Dr. Anamika Singh B.Sc. Mak. Ph.D. HMG B.B.H Dist.CTOR

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Prof. M. N. Navale M.E. (Ews.) ME, MIA FOUNDER PRESIDENT

		Inempeonent and the second	Evaluation: IE (00:50)				
Semester II	209 -	Start Up and New Venture Management	Generic Elective - University Level				
2 Credits	LTP:	2:0:0	vill be able to				
Course Outo	omes: On succ	essful completion of the course the rearrange					
CO#	COGNITIVE	COURSE OUTCOMES	COURSE OUTCOMES				
CO209.1	REMEMBERIN	VG DESCRIBE the strategic decisions invo	DESCRIBE the strategic decisions involved in endotion of				
CO209.2	UNDERSTAN	DING EXPLAIN the decision making matrix of startup.	of entrepreneur in estatuming of				
C0209.3	APPLYING	IDENTIFY the issues in developing a to	for a startup				
CO209.4	ANALYSING	FORMULATE a go to market strategy	FORMULATE a go to market strategy for a startup				
CO209.5	EVALUATING	DESIGN a workable funding moder to	DESIGN a workable funding model for a propose of the communicate value of the				
CO209.6	CREATING	DEVELOP a convincing dusiness print new venture to customers, investors	DEVELOP a convincing outside states and other stakeholders.				

				-	l anr	005	PO7	PDB	P09	POIN
	PO1	PO2	PO3	P04	POS	100				
CO1	V								1	0.000
CO2	1000	1					V	~	t	
CO3				~	V	-				
CO4			1						1	
C05			1	+	the		-	1		1/
CO6				-	-	-	-			TASKS IS





SINHGAD TECHNICAL EDUCATION SOCIETY:8 SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION Intercedual to South Section Prove University & Approved by ACTED



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Semester I	214 -	Industry Analysis - Desk Research	Evaluation: IE (00:50)				
2 Credits	LTP:	03:1	Generic Elective – University Level				
Course Ou	tenmes: On suc	cessful completion of the course the lear	mer will be able to				
CO#		COURSE OUTCOMES					
CO214.1	REMEMBERIN	G DESCRIBE the key characteristics of	DESCRIBE the key characteristics of the players in an industry.				
CO214.2	UNDERSTAND	ING SUMMARIZE the management eth industry.	SUMMARIZE the management ethos and philosophy of the players in the industry.				
CO214.3	APPLYING	DEMONSTRATE an understanding industry.	DEMONSTRATE an understanding of the regulatory forces acting on the industry.				
CO214.4	ANALYSING	COMPARE and CONTRAST, using performance of the players in an	COMPARE and CONTRAST, using tables and charts, the market and financial nerformance of the players in an industry				
00214.5	EVALUATING	ASSESS the impact of recent deve	opments on the industry and its key players.				
C0214.5	CREATING	PREDICT the future trajectory of t future (1 to 3 years).	the evolution of the industry in the immediate				

-	PO1	POZ	PO3	PO4	PO5	P06	P07	PO8	PO9	P010
CO1	1									-
CO2			1			1	-			-
CO3		1-	10.11		1		-	/	K	-
CO4				/	1	1			-	-
CO5			V			1	V		-	
CO5				0						-



SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION (Affiliated to Savinther Profe Parts Driveredly & Approach by AICTE) "NAAC Accessibility of the State



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N.E. (Even) N.E. NISA	B.A. A. P. M., Pr. D.	B.S., MRA PET, IMA/PD11
POLINDE IN PRESIDENT	FOUNCER SECRETARY	DRECTOR

Semester II	205MKT: Marke	eting Research	Evaluation: IE (S0:00)				
3 Credits	LTP: 2:1:1		Subject Core (SC) Course – Marketing Management				
Course Outcome	s: On successful com	pletion of the cou	urse the learner will be able to				
CO#	COGNITIVE	COURSE OUTCOMES					
CO205MKT.1	REMEMBERING	IDENTIFY and DESCRIBE the key steps involved in the marketing research process. COMPARE and CONTRAST various research designs, data sources, dat collection instruments, sampling methods and analytical tools and					
CO205MKT.2	UNDERSTANDING	research process. COMPARE and CONTRAST various research designs, data sources, d collection instruments, sampling methods and analytical tools and SUMMARIZE their strengths & weaknesses. DEMONSTRATE an understanding of the ethical framework that ma					
CO205MKT.3	APPLYING	DEMONSTRATE research needs	an understanding of the ethical framework that market to operate within.				
CO205MKT.4	ANALYSING	ANALYSE quant a real life marke	itative data and draw appropriate Inferences to address ting issue.				
CO205MKT.5	CO205MKT.5 EVALUATING DESIGN a market research proposal for a real life marketing re problem and EVALUATE a market research proposal.						
CO205MKT.6	CREATING	PLAN and UNDE demonstrate th life marketing is	RTAKE qualitative or quantitative Market Research and e ability to appropriately analyse data to resolve a real sue				

	PO1	PO2	PO3	PO4	PO5	PO6	P07	PO8	PO9	PO10
CO1	V				1.1					
CO2	V	V								
CO3		V	V						V	
CO4		V			V	V	V	r		V
CO5	1.000	V	V	V	V	V	V			
CO6		V	2	V	V	V	V	5		4





SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION

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Prof. M. N. Navale M.E. (Dec), M.E. URA FOUNDER PRESIDENT

Dr. (Men.) Bunancia M. Navala B.A. M.P. V. Po. D. FOUNDER SCORETARY

Dr. Anumika Singh B Sc. MAA Pr.O., MAA KOPPI ' DRECTOR

Semester II	Evaluation: IE (50-00)						
3 Credits	LTP: 2:1:1		Subject Core (SC) Course - Marketian Manager				
Course Outcom	es: On successful com	pletion of the cos	are the learner will be able to				
CON	COGNITIVE ABILITIES	COURSE OUTCOMES					
CO206MKT.1	REMEMBERING	ENUMERATE social and psychological factors and their influence his/ behavior as a consumer.					
CO206MKT.2	UNDERSTANDING	G EXPLAIN fundamental concepts associated with consumer and organizational buying behavior					
CO205MKT.3	APPLYING	APPLY consumer behavior concepts to real world strategic marketing management decision making					
C0205MKT.4	ANALYSING	ANALYSE the dy influence the co	namics of human behavior and the basic factors that nsumer's decision process.				
CO206MKT.5	EVALUATING	EXPLAIN the consumer and organizational buying behavior proce variety of products (goods/services)					
CO206MKT.6	CREATING	DISCUSS the use of the Internet, e-commerce & information technology with respect to the changing consumer marketplace and ELABORATE on the various aspects of the changing indian Consumer.					

	PO1	PO2	P03	PO4	POS	PO6	PO7	POS	PO9	2010
CO1	V	~	~	~	V	V	~	1/	1-	1010
CO2	~	~				1	~		-	~
CO3	V		~	~		V	· ·	~	~	V
CO4	V	~		1	~	-	V	1	-	1
CO5	V		~	-					-	V
CO6	V								-	-





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Prot. M. N. Naroln of E. (Each ONE MITA FOAMORIE PRESIDENT DI, (Mrs.) Sunanda M. Revelo 3.4. M.F. M., PL. D FEUNDER SECRETARY Dr. Anamika Singh II-III: MINA PA D. IIMA IF D PL DHEECTOR

Evaluation: IE (50:00) 205FIN: Financial Markets and Banking Operations Semester II Subject Core (SC) Course - Financial **3** Credits LTP: 2:1:1 Management Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES RECALL the structure and components of Indian financial system CO205FIN.1 REMEMBERING through banking operations & Financial Markets. UNDERSTAND the concepts of financial markets, their working and UNDERSTANDING CO205FIN.2 importance. ILLUSTRATE the working and contribution of Banks and NBFCs to the APPLYING CO205FIN.3 Indian Economy. ANALYZE the linkages in the Financial Markets. ANALYSING CO205FIN.4 EXPLAIN the various banking and accounting transactions. CO205FIN.5 EVALUATING DEVELOP necessary competencies expected of a finance professional. CREATING CO205FIN.6

	P01	PO2	PO3	PO4	POS	PO6	PO7	PO8	PO9	PO10
CO1	V							1	1	
CO2	1	1		1.1	-		1-00	~		
CO3		1000					~			V
CQ4		V		~	~					
COS						1				
CO6		1000	5				1	1	1.	



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SINHGAD TECHNICAL EDUCATION SOCIETY;S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION



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Dr. Anamika Singh B.Sc., MIA, Th.D., MA.(H.D.M. DRECTOR

Semester II	206FIN: Personal	Financial Planning	Evaluation: IE (50:00)				
3 Credits	LTP: 2:1:1		Subject Core (SC) Course - Financial Management				
Course Outcon	nes: On successful co	mpletion of the cours	the learner will be able to				
CO#	ABILITIES	COURSE OUTCOME	5				
CO206FIN.1	REMEMBERING	UNDERSTAND the need and aspects of personal financial planning					
CO206FIN.2	UNDERSTANDING	Describe the invest	ment options available to an individual				
CO206FIN.3	APPLYING	IDENTIFY types of ri	sk and means of managing it				
CO206FIN.4	ANALYSING	DETERMINE the way	ys of personal tax planning				
CO206FIN.5	EVALUATING	EXPLAIN retirement and estate planning for an individual and design financial plan.					
CO206FIN.6	CREATING	CREATE a financial of	plan for a variety of individuals.				

	PO1	PO2	PO3	PO4	PO5	POG	PO7	POS	P09	PO10
CO1	1				-			1.758	1.65	1010
CO2							-			-
CO3	1					~	-	-	-	-
CO4		V		V			11			-
COS	0				1			-		-
CO6		-	V			-		1.1	-	1.0



SINHGAD TECHNICAL EDUCATION SOCIETY/S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION (Attiliated to Sovietizer Phase Pare University & Approved by ACCTE)



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Prof. M. N. Navale M.E. (Eur.), M.E. URA FOUNDER PRESIDENT

Dr. (Mrs.) Sunanda M. Navale 5 A. M. P. M. Pr. D. FOOMDER SCORETARY

Dr. Anamika Singh 8.54 - MIA - PR D - MA (P.D.P.) DRECTOR

Semester II	205HRM: Competen Management System	y Based Human Resource Evaluation: IE (50:00)					
3 Credits	LTP: 2:1:1		Subject Core (SC) Course – Human Resource Management				
Course Outcom	es: On successful com	pletion of the course the le	arner will be able to 🧳				
CON	COGNITIVE ABILITIES	COURSE OUTCOMES					
CO205HRM.1	REMEMBERING	DEFINE the key terms related to performance management and competency development.					
CO205HRM.2	UNDERSTANDING	EXPLAIN various models o	f competency development.				
CO205HRM.3	APPLYING	PRACTICE competency ma	pping.				
CO205HRM.4	ANALYSING	ANALYSE competencies re roles at various levels and	quired for present and potential future job across variety of organizations.				
CO205HRM.5	EVALUATING	DESIGN and MAP their own competency and plan better and appropriate career for themselves.					
CO205HRM.6	CREATING	DEVELOP a customized con corporate requirements.	mpetency model in accordance with the				

	P01	PO2	PO3	PO4	POS	PO6	PO7	POS	P09	P010
CO1	~		1							1
CO2	V	34	~	1	~				-	1V
CO3	1	~				~	1			17
CO4	1		1	~	1.1.1	07.67			/	1.1
COS	V	/			1		~	1/	-	1
CO6	V	~				The second	~			V



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Prof. M. N. Narala M.E. (Dec) M/E, MBA FOUNDER PRESIDENT

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Dr. (Mrs.) Bunanda M. Nakala B.A., D. F. U., M. D. Folandeik SCORETARY

Dr. Asamika Singh B.S. (MIX, Ph.D., MAX, P.D.P) DIVECTOR

Semester II	206HRM: Employee I	Relations and Labour Legislations	Evaluation: IE (50:00)		
3 Credits	LTP: 2:1:1	State March 19	Subject Core (SC) Course – Human Resource Management		
Course Outcom	es: On successful com	pletion of the course the learner w	vill be able to		
CO#	COGNITIVE ABILITIES	COURSE OUTCOMES			
CO206HRM.1	REMEMBERING	SHOW awareness of important and critical issues in Employee Relati			
CO205HRM.2	UNDERSTANDING	INTERPRET and relate legislations	s governing employee relations		
CO205HRM.3	APPLYING	DEMONSTRATE an understandin environment.	g of legislations relating to working		
CO206HRM.4	ANALYSING	OUTLINE the role of government	, society and trade union in ER		
CO206HRM.5	EVALUATING	EXPLAIN aspects of collective bar	rgaining and grievance handling.		
CO206HRM.6	CREATING	DISCUSS the relevant provisions	of various Labour Legislations.		

	PO1	PO2	PO3	PO4	POS	PO6	PO7	POS	PO9	PO10
CO1	~	~	1	~	~			~		
CO2					14. L.			1	1-	
CO3	~	~	50.11	~	200			V		
CO4		-		1	100		142	~	V	
COS	1	1	~	5		1.	~		5	
CO6	1/				~	1.12	1	~		1



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Dr. Assamits Singh B Sc., trick, the C., thick (FDP) B Sc., trick, the C., thick (FDP)

Prof. M. N. Nevale FOUNDER PRESIDENT POWNER SECRETARY

Evaluation: IE (50:00) 20SOSCM: Service Operations Management -1 Semester II Subject Core (SC) Course - Operations & **3 Credits** LTP: 2:1:1 Supply Chain Management Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES DESCRIBE the nature and CHARACTERISTICS of services and the services CO205OSCM.1 | REMEMBERING economy. DESRCIBE the service design elements of variety of services. UNDERSTANDING CO205O5CM.2 USE service blueprinting for mapping variety of real life service APPLYING CO205O5CM.3 processes. ANALYSE alternative locations and sites for variety of service facilities. ANALYSING CO205D5CM.4 JUDGE and EXPLAIN the service orientation at variety of service facilities CO205OSCM.5 | EVALUATING / organizations. CREATE flow process layouts for variety of services. CO205OSCM.6 CREATING

	P01	PO2	PO3	PO4	PO5	P06	PO7	POS	PO9	P010
CO1	V			1				~		
CO2						10		<u></u>		
CO3				-	~					
CO4				~			~		5	
CO5			V							
CO5		V								~

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Prof. M. N. Navain M.E. (East) ME MEA FOUNDER PRESENSION

Dr. (Mrs.) Summeda M. Navala K.A., M. P. N., 35, 10 POUNDER SECTION?

Semester II	2060SCM: Supp	ply Chai	n Management	Evaluation: IE (50:00)				
3 Credits	LTP: 2:1:1			Subject Core (SC) Course – Operations & Supply Chain Management				
Course Outcom	es: On successfu	l comple	ction of the course	the learner will be able to				
CON	COGNITIVE ABILITIES	COUR	ISE OUTCOMES					
CO206OSCM.1	REMEMBERIN	IG I	DESCRIBE the key of driving forces in co	concepts of Supply Chain Management and the				
CO206OSCM.1	UNDERSTAND	ING I	EXPLAIN the structure of modern day supply chains					
CO206OSCM.1	APPLYING	1	IDENTIFY the various flows in real world supply chains					
CO206OSCM.1	ANALYSING	ANALYSING COM		ATRAST push and pull strategies in Supply Chain				
CO206OSCM.1	EVALUATING	8	XPLAIN the key Or	key Operational Aspects in Supply Chain Management				
CO20605CM.1	CREATING	1	DISCUSS the relation	ationship between Customer Value and Supply Chain				

	PO1	POZ	PO3	PO4	POS	PO6	P07	POS	PO9	PO10
CO1	V						-			
CO2	V		1/		-	./	-	11	17	17
CO3			1	V		×	1	V	V	V
CO4	1					-			-	-
CO5		V	-		1	110				
CO6				1.000	V		V		-	1/



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Prof. M. N. Navalin M.S. (Eline), MIT, MITS FOUNDER PRESIDENT

formarker II	2058A: Basic Busin	ess Analytics using R	Evaluation: IE (50:00)
Semesterii	2030A. Basic Derin		Subject Core (SC) Course – Business Analytics
3 Credits	LIP: Z:1:1	takes of the course th	e learner will be able to
Course Outcor	nes: On successful co	mpletion of the course of	
CO#	COGNITIVE ABILITIES	COURSE OUTCOMES	have say have a set airs and
CO205BA.1	REMEMBERING	IDENTIFY opportunities DESCRIBE the basic con Business Intelligence.	cepts in Business Analytics, DATA Science and
CO2058A.2	UNDERSTANDING	EXPLAIN the application domains and scenarios.	is of Business Analytics in multiple business
CD2058A.3	APPLYING	DEVELOP a thought pro	cess to think like a data scientist/business analyst.
CO2058A.4	ANALYSING	ANALYZE data graphical appropriate visualizatio	ly by creating a variety of plots using the n tools of R.
CO20584.5	EVALUATING	SELECT the right function	ins of R for the given analytics task.
CO205BA.6	CREATING	COMBINE various tools them in live analytical p scenarios.	and functions of R programming language and use rojects in multiple business domains and

-	PO1	PO2	PO3	PO4	POS	PO5	PO7	P08	PO9	PO10
CO1	V		~							
CO2	~		V							
CO3		V	V							
CO4			~		V		1			-
CD5		~					12 1 1 1	1		
CO5	V									10



Frof. M. N. Navale

FOUNDER PRESIDENT

SINHGAD TECHNICAL EDUCATION SOCIETY/S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION



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Ds. (Mrs.) Sonanda M. Havale SA.M.P.W.PS.D.

Dr. Anamika Singh B SE. MDA. PR.D. MMA(F)D PS DIRECTOR

Evaluation: IE (50:00) 206BA: Data Mining Semester 1 Subject Core (SC) Course - Business Analytics **3** Credits LTP: 2:1:1 Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES DEFINE the key terms associated with Data Mining REMEMBERING CO206BA.1 EXPLAIN the various aspects of Data UNDERSTANDING CO2058A.2 APPLY classification models APPLYING CO2068A.3 ANALYSE using clustering models CO206BA.4 ANALYSING SELECT appropriate association analysis and anomaly detection tools. EVALUATING CO206BA.5 COMBINE various data mining tools and use them in live analytical CREATING CO2068A.6 projects in business scenarios.

-	POI	PO2	PO3	P04	POS	POG	P07	POS	PO9	PO10
CO1	5	~	~	-				V		-
CO2	V	/								-
CO3	V	~	~				~	-		-
CO4			V	1				-		-
CO5	V			~			-	~		1. 7
CO6		V				-				V





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Dr. (Mrs.) Suranda M. Naválu B.A. M. P.M. H. D. FOUNCER SCORTARY

Prof. M. N. Navelie FOUNDER PRESIDENT

Dr. Anamika Singh B.S.C., Millio Ph.D., IMM, IED PJ BIRESTOR

Evaluation: IE (50:50) 301- Strategic Management Semester III **Compulsory Generic Core Course 3 Credits** LTP: 2:1:1 Course Outcomes: On successful completion of the course the learner will be able to COGNITIVE ABILITIES | COURSE OUTCOMES COR DESCRIBE the basic terms and concepts in Strategic Management. REMEMBERING CO301.1 EXPLAIN the various facets of Strategic Management in a real world UNDERSTANDING CO301.2 context. DESCRIBE the trade-offs within and across strategy formulation, UNDERSTANDING CO301.3 implementation, appraisal. INTEGRATE the aspects of various functional areas of management to CO301.4 APPLYING develop a strategic perspective. EXPLAIN the nature of the problems and challenges confronted by the top CO301.5 ANALYSING management team and the approaches required to function effectively as strategists. DEVELOP the capability to view the firm in its totality in the context of its CREATING CO301.6 environment. PO9 PO10 200 т

	PO1	POZ	PO3	PO4	POS	POb	1 107	PUO	100	1
CO1	V						1		-	-
CO2		1		~		~	-	-	-	-
CO3	11.00		1	1		1	~	-	1	
CO4					-	-		1 -	-	-
COS	14		1		~	-	-	V	-	1.1
CO6	100							-		1V

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Prol. M. N. Nevels N.E. (ENC) MIC, MICA FOUNDER PRESIDENT Dr. (Mrs.) Banachin M. Breesla PLA M P M, PL D PROVIDER DE CHE SARD

Dr. Anamilia Bingh Actor: Artico Photo, AMA (2019) Banes 150

Evaluation: IE (50:50) 302-Decision Science Semester III **Compulsory Generic Core Course 3** Credits LTP: 2:1:1 Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE ABILITIES DESCRIBE the concepts and models associated with Decision Science. CO# REMEMBERING CO302.1 UNDERSTAND the different decision-making tools required to achieve UNDERSTANDING CO302.2 optimisation in business processes. APPLY appropriate decision-making approach and tools to be used in UNDERSTANDING CO302.3 business environment. ANALYSE real life situation with constraints and examine the problems APPLYING CO302.4 using different decision-making tools EVALUATE the various facets of a business problem and develop problem ANALYSING CO302.5 solving ability DISCUSS & propose the various applications of decision tools in the CREATING CO302.6 present business scenario.

-	P01	PO2	PO3	PO4	POS	P06	PO7	P08	P09	POID
CO1	12			V		-		~		
CO2						1. >	-			
CO3			-	-	-	V	1	-	1	-
CD4					1	-	V		K	-
CO5		1		-	-	-	-	-		L
CO5		111	1							1-





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Peal, M. N. Navale	Dr. (Mrs.) Sumanuta M. Mayala	Dr. Anumika Singh
M. E. (Esc), ME, MRA	B.A. M. P. M. Hi, O	B.Sc. MRA. PK D., IMA (P.D.P.
FOLMORE PRESIDENT	POUNDER SECRETARY	DRECTOR

Semester III	307-International	Business Environment	Evaluation: IE (50:00)		
2 Credits	LTP: 2:0:0		Generic Elective – University Level		
Course Outco	mes: On successful co	empletion of the course th	e learner will be able to		
COR	COGNITIVE	COURSE OUTCOMES			
CO 307 .1	REMEMBERING	Recall and Describe the Environment	key concepts of international Business		
CO 307 .2	UNDERSTANDING	Understand the relevan trade	ce of Multinational Corporations (MNCs) in global		
CO 307 .3	APPLYING	Demonstrate the significe economy	cance of FDI and FPI in respect of developing		
CO 307.4	ANALYSING	Analyze the issues related to Labor, Environmental and Global Value			
CO 307.5	EVALUATING	Formulate and discuss the case related to various Agreements and contemporary global business environment.			
CO 307 6	CREATING	Contraction of the second			

	PO1	POZ	PO3	PO4	PO5	P06	P07	PO8	PO9	PO10
CO1	1	_								
CO2		1	1	1			1.11			
CO3					~	/		1	1	
CO4	1	1	-	1-		A. 20164	1	1		
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SINHGAD TECHNICAL EDUCATION SOCIETY,S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION (Additioned to Savifyibal Phote Pure University & Approved by AICTE)



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Pest, M. N. Navale M.S. (Dec), MP, MICA POUNDER PRESIDENT

	Tana Mandadan B	Asparament	Evaluation: IE (50:00)			
Semester III	309 - Knowledge in	Ashagement	Generic Elective – University Level			
2 Credits	LTP: 2:0:0		a the learner will be able to			
ourse Outcor	mes: On successful co	mpletion of the cour	se the learner will be unit a			
CO#	COGNITIVE	COURSE OUTCOME	S Sandadae Management.			
CO 309.1	REMEMBERING	DEFINE the key ter	ms and concepts in knowledge manageme			
CO 309 .2	UNDERSTANDING	DESCRIBE the Know	wiedge Management cycle			
CO 309.3	APPLYING	DISCUSS the types	of knowledge and its induced elements and its			
CO 309.4	ANALYSING	OUTLINE the impo structures applicat	tion as a competitive advantage to business			
CO 309.5	EVALUATING	EXPLAIN the human and business aspects of knowledge manage				
CO 309.6	CREATING	1				

	P05					POG	PO7	POB	P09	FOID
	PO1	PO2	P03	P04	105					
CO1	1		-				-			1
CO2		1	V	-	1 6	17		1-		1/
CO3				V		12	-			
CO4			V		-	1			V	
CO5			-		-	1v				1/
CO6	- · · · ·	1.000								11033





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Dr. Anarrika Singh D.Sc. 504, ris m., size in this prest faile

Prof. M. N. Navale U.I. (Elect U.I. Mills FOUNDER PRESIDENT

	Trans and transmit	of Non-profit preanizations	Evaluation: IE (50:00)					
Semester III	311-Management	of Non-pront of generation	Generic Elective - University Level					
2 Credits	LTP: 2:0:0	the last	armer will be able to					
ourse Outcon	mes: On successful co	mpletion of the course the le	conter manage					
co#	COGNITIVE	COURSE OUTCOMES	I former the field of Non-Profit					
CO311.1	REMEMBERING	DESCRIBE the basic concepts and trameworks in the readers of Sector & Non-Profit Organization.						
CO311.2	UNDERSTANDING	EXPLAIN the characteristics of Non-Profit organizations, summarizing the factors affecting development of Non-Profit organization.						
CO311.3	APPLYING	MAKE use of theoretical co of Non-Profit Organization	oncepts, frameworks while registration pro-					
CO311.4	ANALYSING	EXAMINE the role of any p making.	oublic policies which helps NPO in decision					
CO311.5	EVALUATING	EVALUATE the performance of Non-Profit organizations, the Critical financial considerations of the Non - Profit organization.						
CO311.6	CREATING							

			-	PO7	POS	P09	P010			
	PO1	PO2	P03	PU4	rus	1.0-				1
CO1	11/			-	-	-		11		14
COZ		1	1		-	17	-	-		
CO3		1	V		1	~	V			
CO4		-	-		-	+		tu	V	
CO5				Y	-	-	-		1	
CO6				1		1	-	-	-	





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Dr. Min.) Burgosts M. Miscala B.s. M.P.M.Ph.D. POLYOPA SECRETARY

Dr. Anarelka Singh B.B., MDA, Ph.S., MAA (P.D.P.) Detect Det

Prof. M. N. Novalle M.R. (Elsa), M.E. (SIX FOUNDER PRESIDENT

	111 Management	of Non-profit organizations	Evaluation: IE (50:00)				
Semester III	311-Management		Generic Elective – University Level				
2 Credits	LTP: 2:0:0	to the second the le	amer will be able to				
ourse Outcon	nes: On successful co	impletion of the course the w	carrier million and an				
CO#	COGNITIVE	COURSE OUTCOMES	and the second				
CO311.1	REMEMBERING	DESCRIBE the basic concepts and frameworks in the field of Non-Profit Sector & Non-Profit Organization.					
CO311.2	UNDERSTANDING	EXPLAIN the characteristics of Non-Profit organizations, summarizing the factors affecting development of Non-Profit organization.					
CO311.3	APPLYING	MAKE use of theoretical concepts, frameworks while registration process of Non-Profit Organization.					
CO311.4	ANALYSING	EXAMINE the role of any public policies which helps NPO in decision making.					
CO311.5	EVALUATING	EVALUATE the performance of Non- Profit organizations, the critical financial considerations of the Non - Profit organization.					
C0311.6	CREATING						

-	P01	PO2	PO3	PO4	POS	P06	P07	POB	PO9	P010
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CO4			-		~	-	-	16	1.1	-
CO5				1	-	-	-		1V	-
CO6					-	-		1		1



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Dr. (Mrs.) Summala M. Novale

Peef, M. K. Navale NE (E-I) DE MA SA TAF M. M. D.

Dr. Anumika Sinuh Pilizi, MAA PA.B., MAA (F.D.P) DRECTOR

Evaluation: IE (50:00) 305 MKT : Sales & Distribution Management Semester III Subject Core (SC) Course - Marketing LTP: 2:1:1 **3** Credits Management Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES DESCRIBE the theoretical concepts related to Sales Management and REMEMBERING CO305MKT.1 Distribution Management Domain UNDERSTAND the concepts, techniques and approaches required for UNDERSTANDING effective decision making in the areas of Sales and Distribution. CO305MKT.2 APPLY the concepts related to sales and distribution management. APPLYING ANALYZE the real Efe scenarios of sales and distribution management. CO305MKT.3 EVALUATE the existing sales and distribution strategies and approaches. CO305MKT.4 ANALYSING EVALUATING CO305MKT.5 DEVELOP generate and evaluate sales and distribution strategies. CREATING CO305MKT.6

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	P01	PO2	PO3	PO4	POS	POb	PUT	Fuo	100	1-
CO1	1			~	~	~	V	-		1
CO2	V		1	1	-		- 1	-		1
CO3		V	~	1					-	J
CO4		V	-	14	~	~	1	1	1	11
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Dr. (Men.) Summeds M. Novalu

Feel, M. N. Bavelu ME (Der) MF, MA FOUNDER PREMIDENT

R.A. N.P.M.Ph.U.

Dr. Anamika Singh U.Sc. MIA. PED, IMA # DPI DIRECTOR

Evaluation: IE (50:00) 313 MKT: International Marketing Semester III Subject Elective (SE) Course - Marketing Management LTP: 1:1:1 2 Credits Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES ENUMERATE various terms and key concepts associated with CO313MKT.1 REMEMBERING International marketing. EXPLAIN various key concepts used in all aspects of international UNDERSTANDING CO313MKT.2 marketing. APPLY all stages in international marketing management process. CO313MKT.3 APPLYING EXAMINE various facets of international marketing environment and the ANALYSING CO313MKT.4 relevant aspects of international marketing management process from a data driven decision perspective. JUDGE suitability of alternative market segmentation bases, target CO313MKT.5 EVALUATING market selection, market entry strategies, positioning strategies and international marketing mix strategies based on Assessment of international marketing environment. DESIGN appropriate market segmentation, target market, market entry CREATING CO313MKT.6 strategies, positioning strategies and international marketing mix strategies for business organizations.

	PO1	POZ	PO3	PO4	POS	PO6	P07	POS	P09	PO10
CO1	V				1	V				
CO2	V	V				V	1			
CO3			V	V		1	V	V		
CO4				1.2	V	V		1	V	V
CO5					V	V			V	V
CO6					V	V				V





SINHGAD TECHNICAL EDUCATION SOCIETY28 SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION



(Affiliated to South the Proce Pane University & Approved by AIGTE)

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Prof. N. N. Navalo M.E. (Exc), M.E. 804 FOUNDER PRESIDENT Dr. (Mrs.) Scenario M. Novalo B.A. M.P.M., H.D. FOUNDER SECRETARY Dr. Anamike Singh B.S., Misa Fe G., KMA, F.D.P. DIRECTER

Semester III	316 :Marketing Anal	ytics	Evaluation: IE (50:00)			
2 Credits	LTP: 1:1:1	200	Subject Elective (SE) Course - Marketing Management			
Course Outcom	es: On successful com	pletion of t	he course the learner will be able to			
CON	COGNITIVE ABILITIES	COURSE OUTCOMES				
CO316MKT.1	REMEMBERING	DEFINE va	rious key concepts in Marketing Analytics			
CO316MKT.2	UNDERSTANDING	DESCRIBE	DESCRIBE various key concepts in Marketing Analytics			
CO316MKT.3	APPLYING	IDENTIFY what customers' value in a product/service, and assess what they are willing to pay for it.				
C0316MKT.4	ANALYSING	EXPLAIN t problems	the use of various models and frameworks to solve marketing using marketing data			
CO316MKT.5	EVALUATING	MEASURE the effectiveness of marketing efforts and key outcomes multiple areas of Marketing.				
CO316MKT.6	CREATING	DESIGN a study that incorporates the key tools and techniques o Marketing Analytics				

	PO1	PO2	PO3	PO4	PO5	P06	P07	POS	PO9	PO10
CO1								1	V	
CO2	V		V			V		V		
CO3		V		V			V			
CO4	V	V		V		V	V	V		V
COS		(1					V	
CO6		1	V	V	V				V	2

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SINHGAD TECHNICAL EDUCATION SOCIETY;5 SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION (AMilated to Easthing Profe Para University & Approved by AUCTE)



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Pearl, M. N. Navelin	Dr. (Mrs.) Summedia M. Hassilia	Dr. Anamika Singh
M.C. (Earl, Mill Mith	5.4. O. P. M. H. H.	BISS Africa Price VMA (FDP)
Sciences Date Sciences)	POUNDER APCHETARY	DHEETOM
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Semester III	304 MKT : Services 1	Marketing	Evaluation: IE (50:50)				
3 Credits	LTP: 2:1:1		Subject Core (SC) Course – Marketing Management				
Course Outcom	es: On successful con	pletion of th	e course the learner will be able to				
CO#	ON COGNITIVE COURSE		UTCOMES				
CO304 MKT.1	REMEMBERING	RECALL the	RECALL the key concepts in services marketing				
CO304 MKT.2	UNDERSTANDING	EXPLAIN the role of Extended Marketing Mix in Services					
CO304 MKT.3	APPLYING	DEMONSTR Services	ATE the new Paradigm and Perspectives in Marketing of				
CO304 MKT.4	ANALYSING	ANALYSE the significance of services marketing in the Indian and a economy					
CO304 MKT.5	EVALUATING	EVALUATE Segmentation, Targeting & Positioning of Services in marketing environment					
CO304 MKT.6	CREATING	DEVELOP marketing mix for various services offering					

36	PO1	PO2	PO3	PO4	PO5	P06	PO7	POS	PO9	PO10
CO1	~	~	V	~	4	~	~	~	~	~
CO2	~	~	/	~	~	V	V	V	~	~
CO3	~		~			~	V			
CO4	~			/						
COS	V				/	1.1	~			
CO6	V		V							



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Prof. M. N. Navale M.E. (Elect. M.E. MINA FOUNDER PRESIDENT

Dr. (Mrs.) Summing M. Novain R.A. 17 P. 97, 75 D FOUNDER RECRETARY

Dr. Anamika Singh B.Sc. HNA 79 (7), (AVA, (5.01)) DP455104

Semester III	312 MKT: Business to Business Marketing LTP: 1:1:1		Evaluation: IE (00:50)	
2 Credits			Subject Elective (SE) Course – Marketing Management	
Course Outcom	es: On successful com	pletion of the	course the learner will be able to	
CO%	ABILITIES	COURSE OUT	COMES	
CO312 MKT.1	REMEMBERING	DEFINE the terms and concepts related to Business to Business marketing		
CO312 MKT.2	UNDERSTANDING	EXPLAIN the t	terms and concepts used in business to business marketing	
CO312 MKT.3	APPLYING	IDENTIFY chai Marketing.	llenges and opportunities in Business-to-Business	
CO312 MKT.4	ANALYSING	FORMULATE segmentation, targeting and positioning, consumer be behaviour and marketing mix in the context of Business to Business marketing		
CO312 MKT.5	EVALUATING	DESIGN marketing mix elements considering business-to-business and service situations.		
CO312 MKT.6	CREATING	DEVELOP marketing plan for business-to-business Marketing si		

	P01	PO2	PO3	PO4	PO5	PO6	P07	POS	P09	PO10
CO1	V				V	V				
CO2	V		V		1		V		V	
CO3		V		V				V		V
CO4		V	o I	V	1	V		•		
COS	V	30	1			2.6.11	V	V	V	V
CO6			V		V					

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Prof. M. N. Navale

FOUNDER PRESIDENT

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Dr. (Mrs.) Sunanita M. Novals BA.M.P.V.P.D.

Dr. Anamika Singh B.B.: MISA PETER ANA PETER DOMESTOR

Evaluation: IE (00:50) 304 FIN- Advanced Financial Management Semester III Subject Core - SC - FIN - D3 LTP: 2:1:1 **3** Credits Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES DESCRIBE the basic concepts in financing, investing and profit CO 304.1 REMEMBERING distribution in a firm EXPLAIN theoretical concepts related to raising and use of funds and UNDERSTANDING CO 304.2 value of firm CALCULATE values for making capital structure, investment, liquidity and APPLYING CO 304.3 dividend decisions in the financial management of a firm ANALYZE the options for making the right financial decisions of a firm ANALYSING CO 304.4 ASSESS the role of financial planning, risk analysis in investments, CO 304.5 EVALUATING liquidity and credit management policy of the firm on shareholder value DESIGN an appropriate financial strategy using any one or multiple CREATING CO 304.6 concepts/ techniques learned in this course.

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	PO1	POZ	POS	PU4	rus	100			1	-
CO1	V				1	V	-		-	
COZ	V				~			-	-	-
CO3	1.00		V			-				-
CO4		V	4			-	-	1	-	-
CO5	10000	10.000		1			V.	1		1
CO6						-	V			5





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Contraction Contraction		turis of Eleganial Markets	Evaluation: IE (00:50)
Semester III	313 FIN: Technical A	alysis of Financial Ministers	Subject Elective (SE) Course - Financial
2 Credits	LTP: 0:3:1		Management
	De sussentiel com	pletion of the course the lear	mer will be able to
Course Outcom	nes: On succession com	COUNCE ON TOOMES	
CON	ABILITIES	COURSE OUTCOMES	the seale techniques
CO313FIN.1	REMEMBERING	Remember the concepts, te and theories of technical an	rminologies, frameworks, todis, techniques alysis taught in the syllabus.
CO313FIN.2	UNDERSTANDING	UNDERSTAND the application	ons of technical analysis and the various chology behind a pattern and its formation
CO313FIN.3	APPLYING	MAKE PRACTICAL USE of th Frameworks of technical an different securities	e Theories, Models, Principles and alysis for estimating market prices of
CO313FIN.4	ANALYSING	ANALYSE AND FORECAST th and execute investment de	ne market prices of securities in order to take cisions
CO313FIN.5	EVALUATING	FORMULATE an ideal portf wide number of securities	olio of investments with a combination of
CO313FIN 6	CREATING		

-	PO1	PO2	PO3	PO4	POS	PO6	PO7	PO8	PO9	P
CO1	~			~						
coz	1000 - 10		1		1			1		
CO3			1	1		1	1	12		
CO4		V				1~	1			
COS	~			1		12	1	1	1	V
CO6								1	1/	-

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Prof. M. N. Navale V.E. (Car.), V.E. MAX FOUNDER PREMORNER

Semester III	320 FIN - Project Fina	ance and Trade Finance	Evaluation: IE (00:50) Subject Elective (SE-IL) Course - Finance				
2 Credits	LTP: 1:2:0		Specialization				
		Table course the la	learner will be able to				
ourse Outcon	nes: On successful com	pletion of the course the h					
CO#	COGNITIVE	COURSE OUTCOMES	in a Grange and Trade Finance.				
CO320.1	REMEMBERING	DESCRIBE the concepts of Project Finance and Tran					
CO320.2	UNDERSTANDING	SUMMARIZE the key aspects in context with Project Finance.					
CO320.3	APPLYING	IDENTIFY the applicability modern business era.	of Project Hnance and Trade Finance.				
CO320.4	ANALYSING	EXAMINE the risks involved in Project Finance and Trace in the capital of securing finance by considering the capital of securing the capital of securing finance by considering the capital of securing the capital of securing finance by considering the capital of securing the capital of securing finance by considering the capital of securing the c					
CO320.5	EVALUATING	structure and documenta	ation involved.				
CO320.6	CREATING						

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-	PO1	PO2	PO3	PO4	PO5	PO6	101	100		
CO1	1			~				V		10
CO2	1		1	1	-				0	
CO3		~		~			1			
CO4			14						~	
CO5	-		V		-	-				
CO6				-			-		-	



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Prof. M. N. Navate	Dr. (Mes.) Biomatoria M. Navalie	Dr. Anvenika Singh
M.R. (Elect) M.E. MBA	B A. M. P. M., PR. D	B.B.C. MOA Ph D, IMALE DP9
FOUNDER PRESIDENT	FOUNDER SECRETARY	DHECTOR

Semester III	305 FIN - Internation	nal Finance	Evaluation: IE (00:50)			
3 Credits	LTP : 2:1:1		Subject Core (SC) Course – International Finance			
Course Outcon	nes: On successful com	pletion of the co	ourse the learner will be able to			
co#	COGNITIVE ABILITIES	COURSE OUTCOMES				
CO305FIN.1	REMEMBERING	Enumerate the key terms associated with International Finance.				
CO305FIN.2	UNDERSTANDING	Summarize the various the concepts related to regulators, financial markets, Financial Instruments, tax structures at international level.				
CO305FIN.3	APPLYING	Illustrate the role of international monitory systems & intermediaries in Global financial market.				
CO305FIN.4	ANALYSING	Inspect the various parameters of global financial market and interpret best possible international investment opportunities.				
CO305FIN.5	EVALUATING	Determine the various strategies to start investment or business at international level by considering various factors of international finance.				
CO305FIN.6	CREATING	Formulate the investment plan or business plan by adapting international finance environment.				

_	PO1	PO2	PO3	PO4	PO5	P06	PO7	PO8	PO9	PO10
CO1	~			1					V	
CO2								~		
CO3					1		~			5
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SINHGAD TECHNICAL EDUCATION SOCIETYS SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION (AMILIANS IN STATISTICS FROM DIVISION & Approved by AICTR) "NARC According with W Division





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Prot. M. N. Navels	Dr. (Mrs.) Sumarials M. Navaln	Dr. Anaretha Drigh
M.E. (Dec) MF UNA	R.A., M. H. M. J. M. D.	B.Sc. NHA (PLD), (MARD P)
FOUNDER PRESIDENT	FOUNDER ADDRESS	DRACTOR

Semester III	314FIN: Commoditie	s Markets	Evaluation: IE (00:50)		
2 Credits	LTP: 0:3:1		Subject Elective (SE) Course – Financial Management		
ourse Outcon	nes: On successful com	pletion of th	he course the learner will be able to		
CO#	COGNITIVE	COURSE O	UTCOMES		
CO314FIN.1	REMEMBERING	DESCRIBE the key concepts of commodities market			
CO314FIN.2	UNDERSTANDING	Understanding the pricing mechanism of commodity, regulatory framework and the difference between commodity and financial derivatives			
CO314FIN.3	APPLYING	APPLY all the required strategies and calculations of commodities trading.			
CO314FIN.4	ANALYSING	ANALYZE both the fundamental and technical factors that drive the commodity price movements			
CO314FIN.5	EVALUATING	EVALUATE the various methods and tools to detect the pulse of the markets and determine the trend in which the prices are moving.			
CO314FIN.6	CREATING	ADAPT the skills of commodity analysis and build their own trading strategies			

-	POL	P02	PO3	PO4	PO5	PO6	P07	PO8	P09	P010
CO1	V						1			V
CO2		V	V		~	1			-	
CO3				V	-		V	-		
CO4		V			-	1.2	-		V	-
CO5	V				-	1		-	-	11
CO6	1						-	-	-	-



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SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION (Amplated to Savirika: Plude Parts University & Approved by AlGTED



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Prof. M. N. Ravale M.E. (Erre), MP, MDA FOUNDER PRESIDENT

Dr. Anamika Singh D.S., Mills, Ph.D., INA (FD.P) prescribe

Semester III	304HRM- Strategic Management	Human Resource	Evaluation: IE (00:50)		
3 Credits	LTP: 2:1:1		Subject Core (SC) Course- Human Resource Management		
ourse Outcom	es: On successful con	pletion of the cos	urse the learner will be able to		
CO#	COGNITIVE ABILITIES	COURSE OUTCO	MES		
CO304HRM.1	REMEMBERING	REMEMBER the strategies adopted by HR and their implementation issues and challenges faced by the organization in national and international context.			
CO304HRM_2	UNDERSTANDING	Ability to UNDERSTAND and ARTICULATE the basic concepts of SHRM and link the HR strategies to the organizational business strategies.			
CO304HRM.3	APPLYING & ANALYZING	Ability to ANALYZE HR as an investment to the company.			
CO304HRM,4	EVALUATING	Ability to INTERPRET and EVALUATE the implementation of the HR strategies			
CO304HRM.5	CREATING	FORMULATE and provide realistic solutions to the industry by designing innovative strategies and logical decision making.			
CO304HRM.6					

	POI	PO2	PO3	PO4	PO5	P06	PO7	POB	PO9	PO10
CO1	1					~				. /
CO2	1		~					11		
CO3	1	V		~		~			/	~
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COS	1						-	~		1
CO5	1					-				~





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Prof. M. N. Navale M.E. (East. ME, MSA FOUNDER PRESIDENT Dr. (Mrs.) Sonanda M. Navaře B.A. M. P.M., Ph. D FOUNDER SEGNETARY Dr. Anamika Singh 11 Sel, MpA, Ph D, MA (F.D.P.) BHE OTON

Semester III	319 HRM -: Change technologies in HRM	Management & new 1	Evaluation: IE (00:50)		
2 Credits	LTP: 1:1:1		Subject Elective (SE) Course - Human Resource Management		
Course Outcom	es: On successful con	pletion of the course th	he learner will be able to		
CO# COGNITIVE ABILITIES		COURSE OUTCOMES			
CO319 HRM.1	REMEMBERING	DEFINE Change Mana	agement and its significance		
CO319 HRM.2	UNDERSTANDIN	UNDERSTANDING change management model and practices			
CO319 HRM.3	APPLYING	APPLY Change Manag	ement in context to digital transformation		
CO319 HRM.4	ANALYZING & EVALUATING	EXAMINE and DETERMINE various concepts in human resource information system			
CO319 HRM.5	CREATING	IMPLEMENT change management in the organization.			
CO319 HRM.6		1			

	P01	PO2	P03	P04	POS	PO6	P07	P08	P09	PO10
CO1	/								8	
CO2	V	•								
CO3		V		~		~		V	1.1	
CO4		Ξŧ.	V							~
CO5		1			1		V		V	
CO6							-	-		





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Prof. M. N. Navale M.R. (Eler) M.E. MIA FOUNDER PREDIDENT Dr. (Mrs.) Sunanda M. Navale Isa. M.F.M., H. D. FOUNDER SECRETARY Dr. Anamika Singh D Dr. Most Physics Matcheol Phy DRECTOR

Semester III	315HRM : Internation	nal HR	Evaluation: IE (00:50)				
2 Credits	LTP: 0:3:1		Subject Elective (SE) Course - Human Resource Management				
Course Outcom	nes: On successful com	pletion	of the course the learner will be able to				
CON	COGNITIVE	COURSE OUTCOMES					
CO315HRM.1	REMEMBERING	5 IDENTIFY key perspectives of global workforce management					
CO315HRM.2	UNDERSTANDING	IG UNDERSTAND cultural aspects of International HRM					
CO315HRM.3	APPLYING	PREPARE HR planning for long term global staffing					
CO315HRM.4	ANALYZING	ILLUS	TRATE steps involved in global selection of human resources				
CO315HRM.5	EVALUATING	FORMULATE Training and development policy for expatriate employ of an organization					
CO315HRM.6 CREATING		ANAL drafti syster	ANALYZE / COMPARE important points that needs to be included while drafting global workforce performance & development management system of an organization				

	P01	POZ	PO3	PO4	POS	PO6	P07	PO8	PO9	PO10
CO1	./									
CO2		1								
CO3		V							V	
CO4		-			5			2		
CO5			V			~	V			2
CO6		2		~		1				



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Prof. M. R. Navale M.G. Ency M.T. MAA POUNDEN PRESIDENT

Dr. (Mrs.) Benands M. Navale B.A. O. P.M. Ph. D. FOUNDER DECRETARY

Semester III	305HRM : HR Operat	ions	Evaluation: IE (00:50)					
3 Credits	LTP: 2:1:1		Subject Core (SC) Course - Human Resource Management					
Course Outcom	nes: On successful com	pletion	of the course the learner will be able to					
COM COGNITIVE COURSE C ABILITIES		COUR	ISE OUTCOMES					
CO305HRM,1	REMEMBERING	NG DESCRIBE structure of personnel department, its policies a maintenance of employee files & records						
CO305HRM.2	UNDERSTANDING	LEARN drafting of communications for disciplinary actions						
CO305HRM.3	APPLYING	DEMONSTRATE the knowledge and calculations of bonus, gratuity, PF ESLetc.						
CO305HRM,4	ANALYZING	EXPERIMENT to calculate the computation of Workmen con Bonus and Gratuity as per relevant acts						
CO305HRM.5	EVALUATING	CALCULATE computation of Workmen compensation, Bonus and Gratuity						
CO305HRM.6	CREATING	FILE returns under various labour laws and prepare salary structur						

	PO1	PO2	PO3	P04	POS	PO6	P07	POS	PO9	PO10
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CO4				1/	-	~		24.2	K	-
COS				~		-				
CO6		1	_		2		. /			1-

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Semester III 318 HRM : Perfor Management Sys		nce	Evaluation: IE (00:50)				
2 Credits	LTP: 2:1:1		Subject Core (SC) Course - Human Resource Management				
Course Outcom	es: On successful com	pletion of th	te course the learner will be able to				
co#	COGNITIVE ABILITIES	COURSE OUTCOMES					
CO318HRM.1	REMEMBERING	DESCRIBE key components and applicability of theories of Performance Management System					
CO318HRM.2	UNDERSTANDING	DEMONSTRATE the communication skills required when managing achievement and underachievement.					
CO318HRM.3	APPLYING	IDENTIFY factors affecting Performance Measurement					
CO318HRM.4	ANALYZING	ANALYZE various tools for performance assessment					
CO31BHRM.5	EVALUATING	COMPARE various organizational performance management system: and best practices.					
CO318HRM.6	CREATING	DESIGN a performance management process for an organization					

	PO1	PO2	PO3	PO4	PO5	P06	P07	POS	PO9	PO10
CO1	1				-					1
CO2	1	1		1						-
CO3	1		1		1	-				5
CO4	1			1	~	-				. /
COS	1				_	1	./	1	. /	~
C06	1				-		~	~	~	-


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Prof. M. N. Navala N.E. (Ever), M.E. MICA FOUNDER PHENDENT Dr. (Mrs.) Scientis M. Navalio B.A. M. P.M., Ph. D. FOONDER SECRETARY Dr. Anamika Singh D.Sc., Mix, Ph.D., RVX (P.D.H) DRECTON

Semester III	313 OSCM- Sustainable Supply Chains Evaluation: IE (00:50)					
2 Credits	LTP: 2:0:0		Subject Elective (SE) Course – Operations & Supply Chain Management			
Course Outcon	nes: On successful com	pletion of the cour	se the learner will be able to			
CO#	COGNITIVE ABILITIES	COURSE OUTCOMES				
C031305CM.	1 REMEMBERING	ENUMERATE the key concepts of Sustainable Supply Chains and Sustainable Supply Chain Management				
CO313OSCM.	2 UNDERSTANDING	DESCRIBE and DE sustainable deve	SCUSS the role and importance of sustainability and lopment in different types of supply chains.			
CO31305CM.	3 APPLYING	IDENTIFY and US frameworks and management.	E relevant established and emerging principles, theories in sustainable logistics and supply chain			
CO313OSCM.	4 ANALYZING	INTEGRATE fundamental strategies, tools and techniques to analyze and design environmentally sustainable supply chain systems.				
CO31305CM.	S EVALUATING	DETERMINE the unsustainable impact of logistics activities, both individual, and in the wider context of the supply chain.				
CO31305CM	6 CREATING	COMPILE the managerial challenges, and FORMULATE a structured solution to these, with clear implications for relevant stakeholders.				

	PO1	PO2	PO3	PO4	POS	PO6	PO7	PO8	PO9	PO10
CO1	V						~			
CO2						1				
CO3					V			~		
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Dr. Anamika Singh D.St., MOA, PH.D., MAX = D.P. ginecton

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Prof. M. S. Navala N.C. (Dect. Wit, MCA FOLNDAR PREMORNE

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Semester III	3	170	SCM- Six	Sigma 1	or Operations	Sub	ject Electiv	e (SE) Col ment	ise op-	204			
2 Credits	U	(P: 2	:0:0			chain the learner will be able to							
				leomp	letion of the c	ourse the	learner m				\hat{P}		
ourse Outco	mes	On	SUCCESSIO	a comp	COURSE OUT	COMES					Circu .		
COM		CO AB	GNITIVE		automot the	Key Concepts and Definitions associated with Quality							
C031705CN	1.1	RE	MEMBERI	NG	Management	, Six Sign	a and Proc	ess of Six	g with unde	erstanding	of 7		
CO3170SCM	1.2	UN	DERSTAN	DING	SUMMARIZE	the six-si	ema prinos	ama Imple	mentation	and Applic	ation		
C031705CA	E.N	AP	PLYING		PREDICT the change due to Six signal any of Six Signa tools in new settings								
CO31705CM	1705CM.4 ANALYZING APP					APPRECIATE use of Six Signal Structures and strengthening the Organizational Structures (Return on							
C0317050	V.5	EV	ALUATING	3	DECIDE control chart to use for given set of Six Sigma)								
CO31705C	M.6	CF	EATING		a Strategy by Implementa	Case for y Studyin tion	g the cases	of Succes	sful Six Sigr	na			
	-	-				POS	P06	P07	POS	PO9	PO10		
	PO1		POZ	PO3	PU4								
C01	V	1			-		1	1	V	\sim	V		
CO2	V	1	V	V			×						
CO3	-		V	V							-		
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Prof. M. N. Navale N.E. (1-1) N.E. 1984 FOUNDER PRESUDENT

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Dr. (Mrs.) Sumarita M. Rouble 8 A. M. F. N., IV. II POUNDER SECRETARY

Dr. Anamika Singh U.S. M.G. Ph.D. (M.Z. > DP) SPRESTOR

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Semester 1	11 3	04 0	SCM-See	vices O	perat	C IIII	10.00	1999-000-1997-0	1990 C.O.			vla			
	N N	(ana	gement -	-11	-		Sub	iect Core (S	C) Cours	e - Operati	igns or sol				
Credits	L	TP:	2:1:1				Chi	in Manage	ment						
p creater					-	. I sho	course the	learner wi	II be able	to		-			
ourse Out	comes	: On	successfi	ul comp	letion	of the	COURSE ON								
CO#	COGNITIVE			COURSE OUTCOMES											
		AS	ILITIES	_	in Services Operations Management.										
00000000	141	RE	MEMBER	NG	DEFINE the key concepts in service of										
0304030	. Inn. a	-		IDING	DIF	DIFFERENRTIATE between various service strategets,									
CD304050	D30405CM.2 UNDERSTANDING			dimensions, and customer relationships based or methodship & three											
and a constant		_			IDENTIFY the sources of value in a service supply relationship										
CO304054	E.M.S	AP	PLYING		factors that drive profitability for a professional service nim										
1993	oo naara	-		-	CA3	EGORIZ	E a service	firm accon	ding to its	s stage of c	ampetitive	sho			
CD304050	CM.4	A	VALYZING		LAC	control the Service strategies of an organization for achieving the									
CO30405	CM.5	EV	ALUATIN	G	MU	tonic (A	evice visio	Π.							
TAN OF	2				stra	tegal se	valeyant D	merical in	the scope	e of the sub	ject.				
0030405	CM.6	C	REATING	_	SOL	ve the	IEIEValle III								
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Dr. Anamika Singh A THE D . HALL (F.D.P.) DIRECTOR Dr. (Mrs.) Burnands M. Maunha \$ Sc. MINA TH T

BA M P U IN U FOUNDER SEGRETARY

Peol. N. H. Navale N.E. (Elect M.E. MID) FOUNDER PRESIDENT

Evaluation: IE (00:50) 316OSCM- Operations & Service Strategy Subject Elective (SE) Course - Operations & Semester III Supply Chain Management LTP: 2:0:0 2 Credits Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE COII ENUMERATE the key components of operations strategy. ABILITIES REMEMBERING EXPLAIN the linkages between operations strategy and competitive CO3160SCM.1 advantage as the basis of competitive position through superior UNDERSTANDING CO31605CM.2 product development, cost, quality, features. ILLUSTRATE the broader context of business strategy & fit between manufacturing and operations capabilities and the business strategy APPLYING CO31605CM.3 EXAMINE the concepts of competitive leverage using manufacturing and operations, the fit of the various elements of manufacturing and ANALYZING CO31605CM.4 operations, the impact of the competitive environment, and the structure of the value chain. DESIGN the operations and service strategy. FORMULATE an operations strategy (long-term plan) and link with EVALUATING CO31605CM.5 CREATING CO31605CM.6 operational decisions.

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-	POI	POZ	PO3	PO4	POS	P06	P07	PO8	P09	POIO
CO1	V						-	110	V	V
CO2	V	V	V					V		
CO3			V	V		-				
CO4	\sim	-			-		-			
CO5	1000	V		-	. /		1			
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Dr. (Mrs.) Seconds M. Novata B.A., M. P. M., Ph. D POUNDER SECRETARY

Dr. Anumika Singh Dise Mile In DiseA P DPI precorder

Prof. M. N. Navale N.E. (Else), ME, MBA FOUNDER PRESIDENT

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Semester III	303	5 BA	ence usin	g Pythe	on		-	blect Con	(SC) Cour	rse – Busin	ess Analy	tics		
	17	P: 2:	1:1				athal	earner wil	t be able t	0				
3 Credits		On t	uccessful	compl	etion	n of the cours	etter	Contract						
CO#	mes	COC	ITTES		COL	JRSE OUTCOM	AES IN	Python, M	Aachine Le	arning and	Cognitive			
CO3058A.1		REN	MEMBERIN	IG	Intelligence									
CO305BA.2	0305BA.2 UNDERSTANDING				domains and scenarios domains and scenarios									
CO30SBA.3	CO305BA.3 APPLYING				ANALYSE data using supervised and unsupervised Learning Techniques									
CO3058A.4		AN	ALYZING	-	SE	FCT the right	function	ons, array	s of Python	U TOL MINEL		S		
CO3058A.5		EV	ALUATING		algorithms.									
CO305BA.6	5	CR	EATING		M	MBINE Varios achine Learni ultiple busine	ng algo ss dom	rithms an Jain and so	d use then enarios.	n in live an	alytical pri	ajecca m		
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COL	V	~			-		1				-	-		
CO2			V	-	-							1.		
CO3		-		1	1	~	~					12		
CO4	V			10			-				-			





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Foot, M. N. Rassan M.E. (Fier), M.R. MRA FOUNDER PRESIDENT

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Dr. (Mes.) Summing M. Mavala B.A. M.P. M., Ph. D. FRUNDER SECRETARY

Dr. Asumika Singh D.Sr. Asia, Ph.D. (KA.(H.D.P), DRECTOR

Semester III	316BA- Predictive Mo Modeler	delling using SPSS	Evaluation: IE (00:50)				
2 Credits	LTP: 2:0:0	- Constant and the second	Subject Elective (SE) Course – Business Analyti				
ourse Outcon	nes: On successful comp	detion of the course	the learner will be able to				
CO#	COGNITIVE	COURSE OUTCOMES					
CO316BA.1	A.1 REMEMBERING DESCRIBE what Predictive Modeling is all about and kno would want to use it						
CO316BA.2	UNDERSTANDING	G EXPLAIN the CRISP-DM methodology and the IBM SPSS Modeler Workbench					
CO3168A.3	APPLYING	Explore, Prepare, N Modeler	Nodel and Evaluate your data using IBM SPSS				
CO3168A.4	ANALYZING	ILLUSTRATE how to	use modeling skills to make decisions				
CO3168A.5	EVALUATING	FORMULATE models based on trained data, test the model with historical data, and use qualifying models on live data or other historical untested data.					
CO316BA.6	CREATING	SOLVE real world problems using predictive modeling technique realworld data set					

-	PO1	PO2	PO3	PO4	POS	PO6	P07	POS	P09	PO10
CO1	~	~	V	-						_
coz	V	~	V							-
CO3			V							-
CO4		1					~		-	-
CO5				V		-				
CO6	1									10





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Dr. (Mrs.) Bunasda M. Navalu B.A. V. F. G. (in D. FOUNDER SECRETARY

Pref. M. N. Naver WE (C+1) MC, MAL POUNDER PRESIDENT

	313 BA- Industrial Int	ernet of Things	Ev	aluation: I biect Elec	E (00:50) tive (SE) C	ourse - Bu	siness Ana	lytics	
Semescerin	1.170. 2:0:0	1	the learner will be able to						
2 Credits	LIP: 2:0.0	aletion of the cours	e the i	earner m					
ourse Outcon	nes: On successful com	L COURSE OUTCON	MES				1000		
CON	COGNITIVE	Countraste the	key co	ncepts of i	industry 4.	O, data scie	nce in		
CO313BA.1	REMEMBERING	manufacturing, 0	perati	ons analyti	rtics in the	operation	s function.	210	
	UNIDERSTANDING	DISCUSS the valu	e adus	tiest ann	ications of	data anah	tics and o	914	
CO313BA.2	UNDERSTRATO	DEMONSTRATE I	the pra	ctical app		and all the		2000000	
CO3138A.3	APPLYING	science in manuf	lactura	Internet	of ings (Ilo	T) and the	role of Big	Data	
C03138A.4	ANALYZING	EXAMINE the Int Analytics.	dustria	es of anal	vtics in op	erations.		that will	
CO313BA.5	EVALUATING	EXPLAIN the app	sues pe	rtaining to	the adop	tion of tec	hnologies	that we	
CO313BA.6	CREATING	shape industry	1						
			-	205	P07	POB	PO9	P010	
	Dan D	03 04 1	-US			1			

			-	604	POS	POB	101			
	PO1	PO2	P03	104	1.00	-				
CO1	V		V		-			1		
CO2		V	1-		-			-		1
CO3	V	12	12	17			1		+	1
CD4	-	1				1	-			V
COS		V							-	
CO5	V				-					



Prot. M. N. Navale M.E. (Dec), M.E. MIA FOUNDER PRESIDENT

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De.	(Mrs.) Samanda M. Na	val
	BA, 12 1- 11, 101 (1	
	FOUNDER SPECIETARY	

Dr. Animika Singh B.Sc., MA, PED, MARCOM DRECTOR

Semester III	304 (B: Import Export	Documentation and Procedures	Evaluation: IE (00:50)				
3 Credits	LTP: 2:1:1		Generic Core Course				
Course Outcon	nes: On successful comp	eletion of the course the learner wi	Il be able to				
CO#	COGNITIVE ABILITIES	COURSE OUTCOMES					
CO304/B.1	REMEMBERING	G DESCRIBE THE PROCESS OF IMPORT AND EXPORT IN THE CONTE BUSINESS					
CO30418.2	UNDERSTANDING	EXPLAIN THE IMPORT AND EXPORT TRANSACTIONS, CLASSIFICATION AND VARIOUS PAYMENT TERMS					
CO304IB.3	APPLYING	IDENTIFY VARIOUS TYPES OF DOC PROCEDURES INVOLVED IN IMPO	UMENTS REQUIRED FOR THE RT AND EXPORT				
CO304I8.4	ANALYZING	EXAMINE VARIOUS DOCUMENTATION FORMATS FOR THE IMPORT A EXPORT PROCESSES					
CO304I8.5	EVALUATING	EXPLAIN PRE AND POST ACTIVITIE	ES OF IMPORT AND EXPORT PROCESS				
CO304I8.6	CREATING	DISCUSS ON VARIOUS ASPECTS OF TRADES, DOCUMENTATION AND PROCEDURES FOR IMPORT AND EXPORT					

-			0.02	POA	POS	P06	P07	POS	PO9	PO10
	PO1	POZ	PUS	PUA						
CO1									-	
CO2		~	V			1.2	-	1	10	
CO3				~	-	~		-		
CO4				-	V			1		1
CO5						-		V		2
CO5		1		11.2			1			-





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Dr. (Wrs.) Sunanita M. Kavala

Prot. M. N. Navale SE (ENG. MIL INK FOUNDER PRESIDENT BA M P N P D FOUNDER SECRETARY

Dr. Anamika Singh E br. MSA PT D. (NA (F D. M Exet CTOR)

Evaluation: IE (00:50) 312 IB: Cross Cultural Management and Global Leadership **Elective Core Course** Semester III Course Outcomes: On successful completion of the course the learner will be able to LTP: 1:1:1 COURSE OUTCOMES COGNITIVE COR DESCRIBE THE CONCEPT OF CULTURE AND SIGNIFICANCE OF CROSS-ABILITIES REMEMBERING CO312/8.1 CULTURAL MANAGEMENT OUTLINE THE CULTURAL VALUES AND DIFFERENCES WITH DIMENSIONS UNDERSTANDING OF CULTURAL NORMS AND BEHAVIORS CO312I8.2 IDENTIFY VARIOUS FACTORS AFFECTING CULTURE AND DECISION-APPLYING CO312IB.3 MAKING MODELS ACROSS CULTURES EXAMINE THEORIES OF LEADERSHIP WITH LEADERSHIP ACROSS ANALYZING CO312/B.4 CULTURES EXPLAIN CULTURALLY INTELLIGENT LEADERSHIP IN INTERNATIONAL EVALUATING CO317/8.5 TRADE DISCUSS ON LEADING AND MANAGING MULTICULTURAL TEAMS IN CREATING CO312IB.6 INTERNATIONAL CONTEXT

-	PO1	PO2	PO3	PO4	POS	P06	P07	POS	PO9	PO10
CO1	~			200						-
CO2		1	1							1
CO3	1.1.1			~	~	V	/		-	-
CO4			10						-	-
COS							/			17
CO6		1.2							-	1

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Dr. (Mrs.) Somewith M. Navale S.A., O. H. M., Ph. D TOUNDER SECRETARY

Prof. M. N. Navalie M.4. (Ew.) M.4. MSA FOSINGER PRESIDENT

Dr. Anamika Singh D. St., 2006, 75-01, (AAA, 5-014) DRECTOR

		Management	Evaluation: IE (00:50)		
Semester IV	401 – Enterprise Perio	ormance management	Compulsory Generic Core Course		
3 Credits	LTP: 2:1:1	table course the	he learner will be able to		
ourse Outcom	nes: On successful comp	letion of the course the			
CO#	ABILITIES	COURSE OUTCOMES	to a sector & facets of		
CO401.1	REMEMBERING	Enumerate the different parameters & needs and management control of an enterprise.			
CO401.2	UNDERSTANDING	Illustrate the various techniques of enterprise performance management for varied sectors.			
CO401.3	UNDERSTANDING	Determine the applicability of various tools and metrics as a performance evaluation & management tools. Analyse the key financial & non-financial attributes to aluste opterprise performance.			
CO401.4	APPLYING				
CO401.5 ANALYZING		Formulate the vari performance effect	ous parameters to evaluate enterprise tively through implementation of		
		strategy.			
CO401.6	CREATING				

					0.05	PO6	P07	PO8	P09	POID
	P01	POZ	PO3	P04	PUS	100				-
CO1	V				-		-			
COZ		1	1	1		1	1		V	
CO3				-				1/		
CO4				10		-	1.0			
CO5					-	-	The			1-
CO6		-		-	-	-	-			



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Dr. (Mes.) Burconto M. Navale S.A. M. D. D., IN. D. FOLMOER SECRETARY Prof. N. N. Navale O.F. R. M. N. Mavale POUNDER PRESIDENT

constant l	/ A07 - Indian Et	nos & Business Ethics	Evaluation: IE (00:50)			
emesteri	170. 3.1.1		Compulsory Generic Core Course			
creats	LIP: Liaia	completion of the course	the learner will be able to			
ourse Outo	omes: On successio	COURSE OUTCOME	5			
CO# CO402.1	REMEMBERING	DESCRIBE major theories, concepts, terms, models and framework of Indian ethos and business ethics. DISCOVER the contemporary Issues in Business Ethics				
CO402.2	UNDERSTANDING	CLASSIFY and RECOGNIZE business setting, ILLUSTR from Indian Heritage Scrip	Karma, Karma Yoga and discover its relevance in ATE the business ethical decision rationale derived ptures.			
CO402.3	UNDERSTANDING	APPLY Principles, Theories, Models and Framework of Indian ethos and business ethics in order to incorporate value system in work culture and work place				
CO402.4	APPLYING	DEVELOP and EXHIBIT an COMPREHENSION and PI	alytical, problem solving skills, and work echos by RACTICE of Indian ethos and value system			
¢O402.5	ANALYZING	COMPREHENSION and FACILITATE ethical business behavior and IMPLEMENT, EVALUATE, and FACILITATE ethical business behavior and promote sustainable business ecology, improve profitability, foster busi- relation and employee productivity				
CO402.6	CREATING	nmas in different business areas of marketing, HRW dilemma resolution interventions by referring to and models of Eastern Management.				

	005					POS	P07	PO8	PO9	POID
	PO1	PO2	PO3	P04	PUS	100			200	
CO1	~	1						V		
CO2				-	-	-	V			~
CO3			-		17	-	-			
CO4		~		V	-	V				
CO5		-			-	-				
CO6			V	-	-	-				



Prot. M. N. Navale MIP MIN FOUNDER PRESIDENT

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Dr. (Men.) Summedia M. Navalia B.A., M.S.M. Ph. D FOUNDER SCINETARY

Dr. Anamike Singh B.Sr. MAA Ph.D. IMAA PD PL EMECTOR

Evaluation: IE (00:50) 405 - Global Strategic Management Semester IV Generic Elective - University Level LTP: 2:0:0 2 Credits Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE ABILITIES Define the concept and key terms associated with the global strategic CON REMEMBERING CO405.1 management. Describe in detail global strategic alliance, merger and acquisitions. UNDERSTANDING Demonstrate various global organisation models in global strategic CO405.2 UNDERSTANDING CO405.3 management context. Examine various entry and business-level strategies from global strategic **APPLYING** CO405.4 management prospective. Explain globalization, innovation, and sustainability and challenges to strategic ANALYZING CO405.5 management. Design global strategies and understand their relative merits and demerits. CO405.6 CREATING

-			001	204	POS	PO6	PO7	POS	PO9	PO10
	P01	POZ	PUS	104	1	-1		1	~	~
CO1	V	V			~			- 2	1	-
CO2	V	~		~		~	V	~	~	~
CO3	V	~	V		-			-	~	-
CO4	V			~	V	~			-	
COS	V		V	V			~			
CO6		V								

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Prof. M. N. Navalie V.S. (Earl), M.S. Mills	Dr. (Mrs.) Sunavski M. Navski N.K. U. D. U. (10) FOUNDER SCIENTARY	Dir Anamika Singh Dire Anita Per (L. MAR P. 1991) Derectori
FOUNDER PRESIDENT		

Semester N	408 - Corporate Sustainability	e Social Responsibility &	Evaluation: IE (00:50)			
7 Condito	179-2-0-0		Generic Elective - University Level			
2 creats	CIP. Long	completion of the course t	he learner will be able to			
ourse Oute	omes: On successio	COURSE OUTCOMES				
CO# CO408.1	REMEMBERING	Enumerate the different concepts, legislative provisions, environmental aspects, best practices, complexity, scope, reports, social framework etc.				
CO408.2	UNDERSTANDING	Compare different CSR theories, cases, dimensions of Sustainability and demonstrate a multi stake holder perspective in viewing CSR, Business ethics & Sustainability issues etc.				
CO408.3	APPLYING	Apply the different model implementation & monito on corporate culture & so	s, theories, approaches, cases etc. for oring of CSR activities & Sustainability and its impact iciety at large.			
CO408.4	ANALYZING	Analyze the different rep different sustainability re related to CSR, Business	orts, cases, various legal issues relating to Con, ports and various national and global initiatives ethics & Sustainability.			
CO408.5	EVALUATING	Evaluate the level of commitment of different organizations to ethics in attaining Sustainability development & show its comp advantages				
CQ408.6	CREATING	Create & Implement a CSR policy in attaining Sustainability developm its impact on various stakeholders.				

	-	002	003	PO4	POS	P06	P07	PO8	P09	PQ10
	PUI	PUZ	103	1.4.	0.55	-				
CO1	/				-	-	-		-	
CO2							-		17	1
CO3	1			1	-	10		17	10	1
CO4		V		-		-	~			1
CO5					1	-		-	-	1
C06							1	-	1	10





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Prof. N. N. Nevzle	Dr. (Mrs.) Sunanda M. Navdin	Dr. Anamika Bingh
U & (Exc) NE MOA	3.4. 52 P. 0. 24. 5	E Sol, NGA, PR D., KMA, PD M
POUNDER PRESIDENT	FOUNDER SCOREARY	Director

Semester IV	403 MKT: Marketing	4.0	Evaluation: IE (00:50)		
3 Credits	LTP: 2:1:1		Subject Core (SC) Course – Marketing Management		
Course Outcom	es: On successful com	pletion of t	he course the learner will be able to .		
CO#	COGNITIVE ABILITIES	COURSE OUTCOMES			
CO403MKT.1	REMEMBERING	DESCRIBE the various concepts associated with Marketing 4.0			
CO403MKT 1	UNDERSTANDING	EXPLAIN the importance of 5A's in Marketing 4.0.			
CO403MKT.1	APPLYING	DEMONSTRATE the application of concepts of digital marketing, new productivity metrics, Human centric marketing, Omni channel marketing to the real world of digital economy			
CO403MKT.1	ANALYZING	DISTINGU given rea	IISH between traditional and digital marketing practices in I world context to be the effective marketers.		
CO403MKT.1	EVALUATING	ASSESS how Technology & connectivity has changed human life and business in the context of real-world commodities, products & services			
СО403МКТ.1	CREATING	DEVELOP strategies to create WOW! Moments with customer engagement			

_	PO1	PO2	PO3	PO4	POS	P06	P07	PO8	P09	PO10
C01	V		1.04		1		- S			
CO2	V	V	1	1	1 P					
CO3	V	\checkmark	V			V			-	
CO4			V	V	V	V	V	V	V	
CO5	-					14	4	1		V
CO6						V		-	r	Y





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contras subjecteds. Website: www.wobjecteds. Prof. M. N. Navate M.E. (Elec) ME, UBA FOUNDER PRESIDENT Dr. (Mrs.) Sumanuta M. Navale R.A. M.F.M., P.C. POUNDER SECRETARY

Dr. Anamika Singh D.Be, MDA, Pt D, HMA (H D P) DMECTOR

Semester IV	404 MKT: Marketing Strategy		Evaluation: IE (00:50)					
3 Credits	LTP: 2:1:1		Subject Core (SC) Course - Marketing Management					
Course Outcom	es: On successful com	pletion of th	e course the learner will be able to					
CO#	COGNITIVE ABILITIES	COURSE OUTCOMES						
CO404MKT.1	REMEMBERING	DISCOVER perspectives of market strategy.						
CO404MKT.2	UNDERSTANDING	UNDERSTAND the intricacies of competitive marketing situations and ways to handle each situation.						
СО404МКТ.3	APPLYING	BUILD a market strategy through integrating concepts like product life cycle, adoption, and segmentation, branding, pricing, distribution, and market communication.						
CO404MKT.4	ANALYZING	ANALYSE a company's current situation through applying internal and external analyses.						
CO404MKT.5	EVALUATING	EXPLAIN alternative ways to measure the outcome of market strategies.						
CO404MKT.6	CREATING	CREATE Corporate Advantage by exploring how the scope of firms is influenced by resources that are shared across products.						

	PO1	PO2	PO3	PO4	POS	POG	PO7	PO8	PO9	PO10
CO1	~	~	~	V	~	~	~	-	-	~
CO2	V	~		~	~	/	-	-	V	~
CO3	/	~	-	- 4		~				
CO4	V	~	~	~						
CO5	~	V.	~	-		~	1		10	
CO6		~					~	2		1





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Prof. M. N. Havale	Dr. (Mes.) Sumaritie M. Novalis	Dr. Asamika Singh
U.S. (Early NE, MA	B.A., M. P. M. (N. D.	B.Sc. MOA (FD. 1994) FD (F)
Property P. PRESDENT	FOUNDER SCORETARY	Direction

Semester IV	413 MKT: Retailing A	Evaluation: IE (00:50)						
2 Credits	LTP: 1:1:1	Subject Elective (SE) Course – Marketing Management						
Course Outcom	es: On successful com	pletion of th	e course th	e learner v	will be abl	e to		
CON	COGNITIVE	UTCOMES						
CO413MKT.1	REMEMBERING	ENUMERATE the characteristics, opportunities and challenges of New Age Retailing, Digital Consumers Dynamics, List the data required for retail analytics.						
CO413MKT.2	UNDERSTANDING	UNDERSTAND Consumer Buying Behavior and Trends in new age retailing						
CO413MKT.3	APPLYING	USE variou	s kinds of d	ata and to	ols for per	forming Re	tailing An	alytics.
CO413MKT.4	ANALYZING	ILLUSTRATE the use of various tools and frameworks for predictive retail Analytics.						
CO413MKT.5	EVALUATING	DERIVE a variety of metrics and quantify key outcomes in multiple areas of Retail.						
CO413MKT.6	CREATING	EATING BUILD value for Retail and Marketing by deriving Marketing ROI metrics.						
	01 007 P03	PO4	POS	POS	PO7	PO8	P09	P010

	PO1	POZ	PUS	104	FUS	100				
CO1	V	V			~		~			
CO2	1		V	~		V			V	V
CO3							V			
CO4			V		V			V		
CO5	V			V				-		V
CO6						~			V	



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Pool, M. N. Navale G.E. (Eler), ME, MRA FOUNDER PRESIDENT

				П				
Semester IV	414 MKT - Marketing Markets & Bottom o	to Emerging f the Pyramid	Evaluation: IE (00:50)					
2 Credits	LTP: 1:1:0		Subject Elective (SE) Course – Marketing Management					
Course Dutrom	es: On successful com	pletion of the c	ourse the learner will be able to	-				
CO# COGNITIVE		COURSE OUT	COMES					
CO414MKT.1	REMEMBERING	DESCRIBE the various practices and perspectives, concepts and characteristics of emerging Markets and BOP markets, its size 8 composition.						
CO414MKT.2	UNDERSTANDING	EXPLAIN Characteristics, challenges and opportunities of Emerging Markets, BOP markets and need of segmentation of BOP markets.						
CO414MKT.3	APPLYING	APPLY princip develop mark BOP markets	les, BOP Protocol and Criticism of Marketing to BOP, to seting decision-making skills for products and services in					
CO414MKT.4	ANALYZING	COMPARE AND CONTRAST between emerging markets, developed markets and BOP markets						
CO414MKT.5	EVALUATING	EVALUATE Demographic & economic scenario and Compar Advantage of emerging market countries and next 11.						
CO414MKT.6 CREATING DEVEL eleme			Aarketing strategy to Emerging Markets and elaborate four of BOP strategy to relate it with the BRICS Market in the real-world marketing offering.					

	-			03 904 905	PO6 PO7	PO7	PO8	PO9	PO10	
	P01	POZ	POS	204	103	100		507.0		
CO1	V						-	-	-	-
CO2	V	V					-	-	-	
CO3		V	V			V		V		-
CO4		V	V		1.1	V	V		-	V
CO5		V	V		-	V			1.0	1.1
COG			V	V	V	V	V	V	V	V





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Prof. M. N. Navale	Or. (Mrs.) Sunanda M. Nayatia	De Anamika Simila
M.E. (Ever), M.E. (MIN)	B.A. M.P. M. P. D.	B.Sc. Mile Pr.D. Maje pro-
FOUNDER PRESIDENT	FOUNDER SECRETARY	CHECTOR

Semester IV	403 FIN: Financial La	ws Evaluation: IE (00:50)			
3 Credits	LTP : 2:1:1	SUBJECT CORE (SC) COURSE: Specialization – Financial Management (FIN)			
Course Outcom	es: On successful com	pletion of the course the learner will be able to			
CO#	COGNITIVE	COURSE OUTCOMES			
CO403FIN.1	REMEMBERING	DESCRIBE the concepts related to emerging areas of Microfinance, S finance banks, Payment Banks, Start-Ups, SHG and Digitization and analytics			
CO403FIN_2	UNDERSTANDING	EXPLAIN in detail, all the theoretical concepts taught through the syllabus			
CO403FIN.3	APPLYING	APPLY the various theories and models of financial management in the case.			
CO403FIN,4	ANALYZING	ANALYSE the situation and decide the key financial as well as non- financial elements involved in the situation.			
CO403FIN.5	EVALUATING	EVALUATE the financial impact of the alternative on the given case.			
CO403FIN.6	CREATING				

P01	PO2	PO3	PO4	POS	POG	PO7	POS	P09	PO10
1			-					0.000	
	1			· · ·				-	
		~	1		V	1		-	
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-				~			5/		
									/
	P01	P01 P02	P01 P02 P03	P01 P02 P03 P04	P01 P02 P03 P04 P05 / / / / / / / / / / / / / / / / / / / / / / / / / / / / / /	P01 P02 P03 P04 P05 P06 / <	P01 P02 P03 P04 P05 P06 P07 /	P01 P02 P03 P04 P05 P06 P07 P08 /	P01 P02 P03 P04 P05 P06 P07 P08 P09 /





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Prof. M. N. Navale ME (Eec) ME MIA FOUNDER PRESIDENT Dr. (Mrs.) Sunshits M. Novale B.A. M. P. N. 15: D POUNDER SECRETARY

Semester IV	404 FIN Current Tren Finance	ds & Cases in	Evaluation: IE (00:50)				
3 Credits	LTP : 2:1:1	and the second second	Subject Core (SC) Course - Financial Management				
Course Outcom	es: On successful com	pletion of the cou	rse the learner will be able to				
CO#	COGNITIVE ABILITIES	COURSE OUTCO	COMES				
CO404FIN.1	REMEMBERING	DESCRIBE the concepts related to emerging areas of Microfinance, Small finance banks, Payment Banks, Start-Ups, SHG and Digitization and analytics					
CO404FIN.2	UNDERSTANDING	EXPLAIN in deta syllabus	il, all the theoretical concepts taught through the				
CO404FIN.3	APPLYING	APPLY the various theories and models of financial management in t case.					
CO404FIN.4	ANALYZING	ANALYSE the situation and decide the key financial as well as non- financial elements involved in the situation.					
CO404FIN_5	EVALUATING	EVALUATE the financial impact of the alternative on the given case.					
CO404FIN.6	CREATING						

	PO1	POZ	PO3	PO4	PO5	POS	PO7	POB	PO9	P010
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Prof. M. N. Navale

ME (Fail) ME, ME, ME, FOUNDER PRESIDENT

Dr. Anamika Singh Else, MiA, Ph.O., 4MA (PELP) DRECTOR

Semester IV	412 FIN-Strategic C	out Management	
2 Credits	LTP : 1:1:1	oscimanagement	Evaluation: IE (00:50)
Course Outcom	nes: On surroutful and	and at the	Subject Elective (SE) Course - Financial Management
CO#	COGNITIVE	relation of the cou	rse the learner will be able to
	ABILITIES	COURSE OUTCO	MES
CO412FIN.1	REMEMBERING	Remember the b management in t	asic concepts, tools and techniques of cost the contemporary business environment and how it has
CD412FIN.2	UNDERSTANDING	EXPLAIN in detail syllabus: differen	, all the theoretical concepts taught through the
CO412FIN.3	APPLYING	ILLUSTRATE contr used in cost man. environment.	emporary management techniques and how they are agement to respond to the contemporary business
CO412FIN.4	ANALYZING	ANALYSE the situation involved in the de	ation and decide the key cost factors / elements
CO412FIN.5	EVALUATING	FORMULATE new strategically in an	models and techniques for managing the cost
CO412FIN.5	CREATING	and an art	v cusiness organization.

	PO1	PO2	002	0.04						Sec. Sec.
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Semester IV	413FIN -Rural & Mice	ro Finance	Evaluation: IE (00:50)						
2 Credits	LTP: 2:0:0		Subject Elective (SE) counts						
auro Outron	nes: On successful com	pletion of the	course the learner will be sole to						
CO#	COGNITIVE	COURSE OUT	COMES						
CO413FIN.1	REMEMBERING	DEFINE the k with it.	DEFINE the key concepts of Microfinance and other retrieved with it. EXPLAIN and UNDERSTAND the relevance of Microfinance and how its work towards rural development & growth.						
CO413FIN.2	UNDERSTANDING	EXPLAIN and work toward							
CO413FIN.3	APPLYING	IDENTIFY Min economic gro gender equa	owth, poverty elimination , women empowerment and lity.						
CO413EIN 4	ANALYZING	ANALYZE the	Enkage between MFIs and Rural development						
CO413FIN.5	EVALUATING	EVALUATE th Help Group.	te significance and funding microfinance institute						
CO413FIN.6	CREATING FORMULATE and DISCUSS Cases related to MP (models) and or development, Women Empowerment and Gender Equality.								

	PO1	POZ	PO3	PO4	POS	PO6	P07	POB	PUS	Ford
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CO5	V	·				/		-	1	V
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Dr. (Mrs.) Resonata M. Navala B.A. M. R.M., He B.	D BE MON PRO INAL DIRECTOR
FOUNDER SECTEMENT	

Prot. N. N. Navale M.E. (End) MF, MBA FOUNDER PRESIDENT

Semester IV	403 HRM - Organization & Development	ional Diagnosis	Evaluation: IE (00:50)			
3 Credits	LTP: 2:1:1		Subject Core (SC) Course -Human Resource Management			
	a secold com	plation of the co	urse the learner will be able to			
ourse Outcom	tes: On successful com	COURSE OUTCO	OMES			
CO#	COGNITIVE	coolise serve	to the test and			
CO403HRM.1	REMEMBERING	DESCRIBE the r frameworks in	najor theories, concepts, terms, models tools and the field of Organizational Diagnosis & Development.			
C0403HBM 2	UNDERSTANDING	IDING UNDERSTAND concept of OD and "intervention".				
CO403HRM.2 ONDERSTANDING ONDERSTANDING ONDERSTANDING CO403HRM.3 APPLYING MAKE USE of the Theories, Models, Principles and Frameworks of Organizational Diagnosis & Development in specific organizational settings. CO403HRM.4 ANALYZING ANALYZE the external and internal environment with right tool of diagnosis and review the role of consultant in OD.						
						COLORHAN
CO403HRML	CREATING	DESIGN the ro	le of the consultant for an organisational issue			

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Prot. M. N. Navale

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Dr. (Mrs.) Suntrate M. Navale FOUNDER SECRETARY

Dr. Anamika Singh II Sel , Mille, RHD , HM2 (HD P) Ding G104

Evaluation: IE (00:50) 404 HRM: Current Trends & Cases in Semester IV Human Resource Management Subject Core (SC) Course -Human Resource LTP: 2:1:1 **3** Credits Management Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# DESCRIBE the conceptual framework of Digital Disruptions and its ABILITIES REMEMBERING CO404HRM.1 impact on the current HR Trends SUMMARIZE the impact of Current HR trends on HR Functions ILLUSTRATE value creation & competitive advantage of Technology on UNDERSTANDING CO404HRM.2 APPLYING CO404HRM.3 current HR Trends EXAMINE the changing role of HR Priorities ANALYZING ELABORATE upon the various types of current HR Trends CO404HRM.4 APPLY the existing Tech tools to real time HRM Challenges and offer EVALUATING CO404HRM.5 CREATING CO404HRM.6 Solutions. 0010

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Prot. M. N. Navalo M.E. (Elect. MEL, MEA scientification and MEA	Dr. (Mrs.) Sumarkia M. Navale S.A. M.P. M. (Mr. 17 POUNDER SECRETARY	Dr. Anamika S Di Sci Arda, Philippine Di Sci Arda, Philippine Di Sci Arda	hgh A = D.#1
FOUNDER PRESIDENT			_

Semester IV	409 HRM: Labour Le	sislation	Evaluation: IE (00:50)
7 Condito	170.0.2.1		Subject Elective (SE) Course – Human Resource Management
2 Credits	CIP . V.J.s	eletion of	the course the learner will be able to
Course Outcon	nes: On successful com	pretion of	
CO#	ABILITIES	COURSE	OUTCOMES
CO409HRM.1	REMEMBERING	AWARES	NESS about foundation of labor legislation.
	UNIOF OF TANOUNT	LINDERS	STAND the legislation related to various labor and social laws.
CO409HRM.2	UNDERSTANDING	UNDERG	the effective and calculate.
CO409HRM.3	APPLYING	APPLY N	ormulas of specific laws and calculated
CO409HRM.4	ANALYZING	STUDY I	abor legislation and effective implementation of them allotight
CO409HRM.5	5 EVALUATING	REVIEW	AND UNDERSTAND different labor legislations and its nents.
COMPANEM	CREATING	10000	

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	PO1	POZ	PO3	PO4	PUS	100				
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Prof. M. N. Navales	Dr. (Man.) Summeria M. Rinvala	Dr. Anamika Slegh
M.E. (Ess), Mill, MAA	B.A., M. P. M., Ph. W	B.S.C. MIDA PHID, MAAIED PH
FOUNDER PRESIDENT	FOONDER LECRETARY	DIRECTON

Semester IV	412HRM : Best Pract HRM	ices In	Evaluation: IE (00:50)					
2 Credits	LTP: 1:1:1		Subject Elective (SE) Course – Human Resource Management					
Course Outcom	es: On successful com	pletion o	f the course the learner will be able to					
CO#	COGNITIVE ABILITIES	COURS	E OUTCOMES					
CO412HRM.1	REMEMBERING	DEFINE	dynamic approach towards Human Resource activities and is.					
CO412HRM.2	UNDERSTANDING	EXPLAIN	4 theoretical framework for best practices					
CO412HRM.3	APPLYING	IDENTIF sectors	Y & CLASSIFY the practices according to the industry and sub of the industry.					
CO412HRM.4	ANALYZING & EVALUATING	COMPA Resource	RE and DETERMINE various skill sets required at Human e Section					
CO412HRM.5	CREATING	PLAN a Human	survey of various industry and DEVELOP a trend analysis of Resource Best Practices.					
CO412HRM 6	* 112 H 21							

112 111	PO1	POZ	PO3	PO4	PO5	PO6	PO7	POB	PO9	PO10
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Evaluation: IE (00:50) 403 OSCM- E Supply Chains Semester IV and Logistics Subject Core (SC) Course - Operations & Supply Chain LTP: 2:1:1 **3** Credits Management Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES DESCRIBE the structure of modern days Logistics. REMEMBERING CO403OSCM .1 EXPLAIN the key concepts of Supply Chain Management and the -UNDERSTANDING CO40305CM .2 driving forces in contemporary Supply Chain Management. IDENTIFY the various flows in real world supply chains and Logistics. APPLYING CO40305CM .3 IDSCRIBE the importance of documentations. COMPARE and CONTRAST push and pull strategies in Supply Chain ANALYZING CO40305CM .4 Management. ANALYSE the impact of tracking system linkage in Logistics. EXPLAIN the key Operational Aspects of E Procurement. EVALUATING CO40305CM .5 DEVELOP a framework for e-logistics CREATING CO40305CM .6

-	PO1	POZ	PO3	PO4	PO5	PO6	P07	POS	P09	PO10
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Prof. M. S. Manule M.E. (Spec) MIE, 1254 WE DISC WE THE FOUNDER PRESIDENT

Evaluation: IE (00:50) 404 OSCM- Industry 4.0 Semester IV Subject Core (SC) Course - Operations & Supply Chain LTP: 2:1:1 **3** Credits Management Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES DEFINE industrial revolutions and its different aspects. REMEMBERING CO4040SCM .1 EXPLAIN the role of technology pillars of Industry 4.0. UNDERSTANDING CO10405CM .2 DEMONSTRATE the use of data in effective decision making. APPLYING CO40405CM .3 ILLUSTRATE the need of cyber physical system for sustainable ANALYZING CO40405CM .4 competitive advantage. EXPLAIN the challenges faced by various industries in full fledge EVALUATING CO40405CM .5 implementation of Industry 4.0 DEVELOP a framework for any organization using base of Smart CREATING CO40405CM .6 Industry Readiness Index Proposed by Singapore EDB

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E-mail domain mine Dr. Anamika Singh B S. MILL, PR D. MAR P B P. DIRECTOR De (Mrs.) Senanda M. Navale

N.A. M.P. M. PU.D. POUNDER SECRETARY

Prof. M. N. Nrville NE (EH) MELINA POUNDER PRENICENT

Evaluation: IE (00:50) 410 OSCM- World Class Semester IV Subject Elective (SE) Course – Operations & Supply Chain Manufacturing LTP: 2:1:1 2 Credits Management Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# DEFINE the basic terms associated with Manufacturing Excellence and ABILITIES REMEMBERING CO41005CM .1 World Class Manufacturing SUMMARIZE the features of various frameworks used for World Class UNDERSTANDING CO41005CM .2 Manufacturing IDENTIFY the challenges to manufacturing industry in the information APPLYING CO41005CM .3 ANALYZE the usage of Information management tools, Material ANALYZING CO4100SCM .4 processing and handling tools. EVALUATE the country's preparedness for World Class Manufacturing EVALUATING ESTIMATE the performance of manufacturing firms with the CO41005CM .5 measurement system to determine the readiness for World Class CREATING CO4100SCM .6 Manufacturing

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Dr. (Nes.) Summers M. Navalo 8. A. M. S. M., Int. D. FOUNDER RECRETARY

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Foot. M. N. Nevalo C. MILA FOUNDER PRESIDENT

CO41405CM .6

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Evaluation: IE (00:50) 414 OSCM- Purchasing and Supplier Semester IV **Relationship Management** Subject Elective (SE) Course - Operations & Supply LTP: 2:1:1 2 Credits **Chain Management** Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CON ABILITIES DESCRIBE the Purchasing Process and its importance in organizations. REMEMBERING CO4140SCM .1 Students will understand the impact of purchasing on competitive UNDERSTANDING CO4140SCM .2 success and profitability of modern-day organizations MAKE USE OF the various Negotiation technique in the context of APPLYING CO4140SCM .3 **Purchasing process** ILLUSTRATE how Supplier evaluation and selection is done in ANALYZING organizations and its relationship with corporate Strategy. CO4140SCM .4 EXPLAIN the importance of Performance Measurement & Evaluation EVALUATING CO41405CM .5 in operations management. BUILD A purchasing strategy for a real world situation.

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Prot. M. N. Novale M.E. (DAIL VIE, MOA FOUNDER PRESIDENT

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Dr. (Mrs.) Burnerala M. Bovala B.A. M. F. W. N. D. FOUNDER SECRETARY

Dr. Anamika Singh E.Sc. Min. IN D., MM (P.D.P) BillEeron

Semester IV	404 BA- Artificial Inte Applications	ial Intelligence in Business Evaluation: IE (00:50)			
3 Credits	LTP: 2:1:1				
Course Outcom	es: On successful come	lation of the	Subject Core (SC) Course – Business Analytics		
COW	COGNITIVE	COURSE OUTCOME	he learner will be able to 5		
CO404BA .1	REMEMBERING	IDENTIFY KNOWLED	GE associated and represent it by logical sequence		
CO404BA .2	UNDERSTANDING	UNDERSTAND ANA	to solve given problem		
CO404BA .3	APPLYING	APPLY various mach develop machine les	ine learning algorithms on structured data to		
CO404BA .4	ANALYZING	ACQUIRE advanced Data ANALYSIS SKILLS through algorithm an search processes			
CO404BA.5 EVALUATING SELECT logical and functional process to develop the evolution					
CO4048A.6 CREATING CREATE SOLUTIONS for various business problems using Al techniques.					

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Prof. M. N. Navale M. F. (Even) M.Y. USA FOUNDLE PRESIDENT

Dr. (Mrs.) Burnevila M. Kovalla g.a. 0 if 0. 24 U POUNDER SEURITARY

Dr. Anamika Singh D.S. Hisk Int II. Han (* 114) SHECTOR

inmester IV	409 BA- E Commerce A	nalytics - II Evaluation: IE (00:50)							
Credits	ITP: 2:1:1		Subject Elective (SE) Course – Business Analytics						
Creuns	es: On successful compl	pletion of the course the learner will be able to							
CO#	COGNITIVE	COURSE OU	ICOMES						
CO4098A.1	REMEMBERING	DESCRIBE th	e key concepts in e-commerce analytics.						
CO409BA .2	UNDERSTANDING	DEMONSTR the organiza lifecycle.	ATE the use of analytics to drive profitability throughout stion, and across the entire customer experience and stion tase form data into						
CO409BA .3	APPLYING	SOLVE the unique problems in e-commerce, and characterin data and better decisions and customer experiences.							
CO40984 4	ANALYZING	DISCOVER high-value insights via dashboards and visualization							
CO4098A.5	EVALUATING	DEVELOP a advertising strengthen streamline attribute s	nalytical approaches to improve econine cernarcong , understand customer behavior, increase conversion rates, loyalty, optimize merchandising and product mix, transactions, optimize product mix, and accurately ales.						
CO409BA .6	CREATING	FORMULA	TE the right analytics driven strategy for economerce i.						

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	PO1	PO2	PO3	P04	POS	100	1.51			
CO1	V			-	-		-	V		
CO2			V			-		-		
CO3	1.1	V			-		-	-		-
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CO6		10			1	-	-	-	-	L.C.

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SINHGAD TECHNICAL EDUCATION SOCIETY(S SINHGAD INSTITUTE OF MANAGEMENT & COMPUTER APPLICATION (AMIInted to Sovicitual Photo Paris University & Approved by AIGTE)



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Post. M. N. Novala M.E. (Dor), M.E. MBA FOUNDER PRESIDENT	Dr. (Mrs.) Sunanda M. Navala B.A. M. P. M. Pr. D FOUNDED SECONTAINS	Dr. Amarrika Singh B Se., 2005, 94 D., 9555 (FD P)
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Semester IV	SE - RABM - 02 ICT for	Agriculture Management	Evaluation: IF (00:50)		
3 Credits	LTP: 2:1:1		Rural & Apri Buringer Management		
Course Outcom	nes: On successful comp	nor will be able to			
CON	COGNITIVE ABILITIES	COURSE OUTCOMES	er will be able to		
RABM02.1	REMEMBERING	IG RECALL the basic terminologies related to ICT			
RABM02.2	UNDERSTANDING	UNDERSTAND the use of IC challenges for ICT informat	T with different aspects & various issues & ion services		
RABM02.3	APPLYING	Apply the GIS Applications	in micro resource manufac		
RABM02.4 ANALYZING		ANALYZE the different tools and techniques used under ICT in Agriculture Management			
RA8M02.5	platforms for information convices				
RABM02.6	CREATING	CHOOSE the right ICT as per the requirement of agriculture activity			

	PO1	PO2	PO3	PO4	POS	POS	P07	POS	PO9	P010
CO1	1					-				1010
CO2		1		1.1			-	1/		-
CO3		-	V	1	1	-	1-	~	-	
CO4	100	1	-	~		1.02	-		-	-
CO5					-	10	-	1	-	-
CO5							-	-	-	

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Prof. M. N. Navale	Dr. (Mrs.) Businets M. Novele B.A. M.P.M. (Pr. 0)	Dr. Anamika Singh D.Sc. Mila, Ph.D. MAR(F.D.P) DRECTOR
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	CC DADA OF Arri-	Entrepreneurship	Evaluation: IE (00:50)				
Semester IV	SE - HABIN - US Agri-	Entrepreneurship	Bural & Agri Business Management				
2 Credits	LTP: 1:1:1		in the ship to				
Course Outcom	nes: On successful compl	etion of the course the	earner will be able to				
CO#	ABILITIES	COURSE OUTCOMES	in the second for the second sec				
RABM05.1	REMEMBERING	DEFINE the term rural entrepreneurship and ENUMERATE factors that support women's participation in rural entrepreneurship					
RABM05.2	UNDERSTANDING	UNDERSTAND the Proc	cess of entrepreneurship, aims, and barriers				
RABM05.3	APPLYING	APPLY different ICT in Rural entrepreneurship development.					
RABM05.4	ANALYZING	Analyze the important rural development.	e of IT in rural India and role of entrepreneur in				
RABM05.5	EVALUATING	EVALUATE the rural capabilities, Endowment of Skill sets and Natures ources in rural India					
RABM05.6	CREATING	Design the business plan, factors considering rural development 8 Bural BPD					

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1111	PO1	PO2	PO3	PO4	POS	P06	P07	100	105	1010
CO1	1		-						-	
CO2	1	V								-
CO3		1			~		1		-	-
CO4	1		1			~		/	1	-
CO5	1.1			1				-		1
CO6			1				1		-	10

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Dr. (Mrs.) Benamin M. Mavale Bra. M. H.M. (Hr. D. FOUNDER SPICE SALE

Pref. M. N. Noroda FOUNDER PRESIDENT

the Anamika Singh B St. Mick 74-12, JMA (4.D.M) gamet follo

Evaluation: IE (00:50) SC-PHCM- 02 Pharma and Healthcare regulatory Semester IV environment in India Pharma and Healthcare Management LTP: 2:1:1 **3** Credits Course Outcomes: On successful completion of the course the learner will be able to COURSE OUTCOMES COGNITIVE CO# ABILITIES IDENTIFY various environmental factors affecting on Pharma and REMEMBERING PHCM02.1 Healthcare industry UNDERSTAND various laws applicable to Pharma and Healthcare UNDERSTANDING PHCM02.2 industry Understand the situation and identity right legal way to solve the APPLYING PHCM02.3 problem. ANALYSE steps involved in Intellectual Property Rights registrations ANALYZING CHOOSE the right type of IPR as per the content and work available to PHCM02.4 EVALUATING PHCM02.5 protect. Elaborate the different laws developed by constitutions to support CREATING PHCM02.6 and protect Pharma and Healthcare sector

-	P01	POZ	P03	P04	POS	PD6	P07	PO8	PO9	PO10
CO1	V	1.1.1.							-	
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CO4				-	11					-
CO5	100		12		1	/		-	-	-
CO6									-	

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FOUNDER PRESIDENT	POUNDER DECRETARY	ENECTION IN THE PARTY

Semester IV	SE-PHCM- 06 Entrepre Healthcare	neurship in Pharma and	Evaluation: IE (00:50)			
2 Credits	LTP: 1:1:1		Pharma and Healthcare Management			
Course Outcom	nes: On successful compl	letion of the course the lear	mer will be able to			
CO#	COGNITIVE ABILITIES	COURSE OUTCOMES				
PHCM06.1 REMEMBERING		DEFINE the key terms, LIST the Attributes and Characteristics of Entrepreneurs feature and ENUMERATE the Factors influencing Entrepreneurship Growth.				
PHCM06.2	UNDERSTANDING	DISCUSS the various theor	ries of entrepreneurship.			
PHCM05.3	APPLYING	CONSTRUCT a framework for a typical EDP for the Pharma industry				
PHCM06.4	ANALYZING	EXAMINE the role of Gove encouraging and supporti	ernment and various support organizations in ng Entrepreneurship.			
PHCM06.5 EVALUATING		COMPOSE an Inventory of possible entrepreneurial opportunities in contemporary local, regional and national the context for Pharma a Healthcare sector.				
PHCM06.6	CREATING	BUILD a business plan for an entrepreneurial pharma of healthcare venture.				

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	~									
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CO3	1	1	1			1		/		
CO4		10.00		~	1	1.0	1.1			~
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CO6										1.1

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Peak, M. N. Navada M.E. (EAR), M.E. MDA FOUNDER PRESIDENT

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Dr. (Mrs.) Busaneta M. Navahi II.A. M.P. M. P. D. FOUNDER SECRETARY

Dr. Anarrika Singh B.B., MGA Ph.P., INVA (FE) PU EXHECTOR

Semester IV	SC-THM-02 Tourism an	nd Travel Management	Evaluation: IE (00:50)				
3 Credits	LTP: 2:1:1		Tourism and Hospitality Management				
ourse Outcom	nes: On successful compl	etion of the course the lea	rner will be able to				
co#	COGNITIVE	COURSE OUTCOMES					
THM02.1	REMEMBERING	DEFINE the various components of the Tourism Industry & Types Tourism					
THM02.2	UNDERSTANDING	UNDERSTAND basic oper-	ations of a Travel Agency & tour conduction				
THM02.3	APPLYING	EXECUTE theoretical knowledge to design various tour packages & work on costing for the packages					
THM02.4	ANALYZING	Analyze changing trends International	in Travel & Transport industry- Domestic &				
THM02.5	EVALUATING	INTERPRET the impacts EcoTourism	of Tourism Industry globally & practicing of				
THM02.6	CREATING	BUILD new concepts requirements	of Eco-Tourism according to customer				

	PO1	PO2	PO3	PO4	POS	P06	PO7	POS	PO9	PO10
CO1	1									
CO2			1			~		1	~	
CO3		1					1-	1	-	1
CO4	1.1	1		/	1	~				
CO5			22		1.1		3.3%	1.5	12	
CO6	10.10	1		Ŭ	1.1				1	
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Semester IV	SE-THM-05 Strategic II	ospitality Management	Evaluation: IE (00:50)				
2 Credits	13P) 2(1)1		Tourism and Hospitality Management				
Course Outcon	tes; On successful compl	etion of the course the lear	ner will be able to				
COR	COGNITIVE	COURSE OUTCOMES					
THM05.1	BEMEMBERRIG	DEFINE Concept & process of Strategic thinking Major Players of Hospitality & Travel Industry					
THM05.2	UNDERSTANDING	DISCUSS Strategic mona Influencing strategy form	gement for various organizations factors dations				
ULM05.3 APPLYING		IMPLIMENT strategies for Hotels & Travel Agents with the belp of structured designs & flow charts					
TUM05.4	ANALYZING	ANALYSE Suitable strate consideration to micro & a	gies for different Hospitality sectors with macro environments				
THM05.5	EVALUATING	EVALUATE Correct marke utilized for the benefits of	t scenario & suggest strategies that can be the company				
THM05.6	CREATING	DEVELOP Strategies for standalone units, a chain of hotels, small and large travel agents international strategies for small 8 big players					

	PO1	POZ	PO3	PO4	POS	POG	P07	POS	P09	PO10
c01	~									
CO2	1	. /				12		-	-	-
CO3		12		V	1		11	1	11/	
CO4	1	199	~				1	-	1	-
CO5	-					V				~
CO6										-

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V E (Enr) ME MAL FOUNDER MINESIDENY	Dr. (Mes.) Sumanda M. Novahu H.A., M.P. D., H. D. FOUNSER SECRETARY	Dr Anamika Singh B.S., MAA Ph D, MAA (#1914) Different

Semest	er IV	404 IB: Glo	bal Trade	and Logist	irs Manan	amoot	-					
3 Credit	ts	LTP: 2:1:1		and copier	sa manag	ement	Evaluation: IE (00:50)					
Course O	utcom	es: On succe	esful com	alation of	Generic Core Course							
CO#		COGNIT	IVE	COURS	COURSE OUTCOMES							
CO404IB.1 REMEMBERING				DESCRI	DESCRIBE THE ECONOMIC SIGNIFICANCE OF TRADE ALONG WITH THE							
CO40418.2 UNDERSTANDING				EXPLAIN	EXPLAIN INTERNATIONAL TRADE THEORIES AND APPLICATIONS IN							
CO40418	8.3	APPLYIN	G	IDENTIFY VARIOUS ENVIRONMENTAL FACTORS ASSOCIATED WITH								
CO404IB.4 ANALYZING				EXAMINE VARIOUS MODES AND PRACTICES OF INTERNATIONAL								
CO404IB.5 EVALUATING				EXPLAIN THE ACTIVITIES INVLOLVED IN ENTIRE LOGISTICS PROCESSS IN INTERNATIONAL BUSINESS								
CO404IB.6 CREATING			DEVELOP THE APPROPRIATE STTRATEGY OF OPERATIONS FOR GLOBAL TRADE AND LOGISTICS									
-	P01	POZ	P03	POA	Laor	1	1		_	12		
CO1	1		1.03	FOA	105	P06	P07	P08	P09	PO10		
CO2	1			-	-		1					

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CO2	1					-		-		
CO3			1		1.1		17	-		
CO4	1	100	1	~		-	~	-		
CO5	1	./	-	-			-	4	~	1
CO6	1 1.010				1	-	-	~	1	
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FOUNDER PRESIDENT FOUNDER SECRETARY DESCRETARY	Frot. M. N. Navate M.S. (Elec) ME, MSA FOUNDER PRESIDENT	Dr. (Mrs.) Semenda M. Novala R.A. M.P.M., Dr. D. FOUNDER SECRETARY	Dr. Anamika Singh D.Dc. MAA PRO, MAA P D H
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Semester IV	nester IV 410 IB: International Banking and Foreign Exchange Management Evaluation IF (00 co)							
2 Credits	LTP: 1:1:1	and and reterge exchange management	Evaluation: IE (00:50)					
Course Outcon	IPS: On successful compl	lation of the second the transmission of the	Elective Core Course					
CO#	COCNITIVE	etion of the course the learner will be able to						
	ABILITIES	COURSE OUTCOMES						
CO410IB.1	REMEMBERING	DESCRIBE THE CHARACTERISTICS ANI INTERNATIONAL BANKING	D SIGNIFICANCE OF					
CO410IB.2 UNDERSTANDING		EXPLAIN THE RELEVANCE OF MONEY MARKET AND MONITORY POLICY IN INTERNATIONAL BANKING						
CO410(8.3	APPLYING	IDENTIFY VARIOUS TYPES OF FOREIGN EXCHANGE MARKETS AND TRANSACTIONS						
CO410IB.4	ANALYZING	EXAMINE SUPPLY AND DEMAND VIEW O	F EXCHANGE RATES IN					
CO410I8.5	EVALUATING	EXPLAIN THE EXCHANGE RATE RISK AND EXPO MARKETS	SURE IN INTERNATIONAL					
CO410IB.6	CREATING	DISCUSS ON LINKAGES OF INTERNATIONAL EXCHANGE WITH INTERNATIONAL BUSINESS	BANKING AND FOREIGN					

	P01	POZ	PO3	PO4	POS	PO6	P07	POS	209	PO10
CO1	V						-	1	1.65	10.0
CO2	1/								1	
CO3	1/		~	~	1/		~	-	-	1.
CO4		1	1		-		-	10.03		P
C05			1	-		1.0	-	12	-	
CO6	100.00		1			1	-		-	

