



S.E.M.T'S

**MOINUDDIN B. HARRIS COLLEGE OF ARTS,
A.E.KALSEKAR COLLEGE OF COMMERCE & MANAGEMENT.**
(Affiliated to the University of Mumbai)
SOPARA GAON, SOPARA (W), Vasai, Dist- Palghar
PIN - 401 203, (MAHARASHTRA)

NAAC Accreditation : 'B'



CO-PO ATTAINMENT

Details of the course

Course Name – **FYBCOM SEM II (FOUNDATION COURSE II)**

Total no. of students = 191

Course Code: UBCOMFSII.7

Course Objective: This course is intended to introduce the basic theory, concepts and practice of financial accounting and to enable students to understand information contained in the published financial statements of companies and other organizations. It includes the preparation of accounting statements, but their uses and limitations will also be emphasized.

Course Outcomes (COs):

CO1: The student can recollect the concept of Globalization, privatization and liberalization with use of technology and communication and evaluate its impact on commerce, trade, business and economics in Indian society
CO2: The learner will be able to state the Fundamental rights of Indian Constitution and would able to use it while working in policy planning in commerce, finance, trade, market, business and industrial environment.
CO3: The learner will be able recollect the information about basics of environmental ecology and interconnection between natural capital and environmental natural resources and positive impact sustainable development on commerce, trade, finance and international market
CO4: The student can discuss about causes of stress and conflict in Indian society. By evaluating the importance of values and ethics, student would be more socially responsible citizen and ethical in business environment.
CO5: The student would demonstrate coping mechanism for managing stress and conflict in the society which can be implemented to have peace and harmony in the society



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

<p>PSO1: Demonstrate progressive knowledge of accounting, finance, marketing, human resource management, taxation, business laws and international business. Students will demonstrate progressive affective domain development of values, the role of accounting in society and business.</p>	<p>PO1 · Acquire the knowledge of accounting fundamentals, finance, marketing, human resource management, taxation, business laws and international business to the solution of accounting & management problems.</p>
	<p>PO2. Identify and formulate know-how on socio – economic problems to arrive at substantiated conclusions using principles and theories of commerce and accounting.</p>
	<p>PO3 · Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern statistical tools & software.</p>
<p>PSO2: Develop accounting career skills applying both quantitative and qualitative knowledge to their future careers in Commerce.</p>	<p>PO4. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional accounting practice and management practice</p>
	<p>PO5 · Understand the impact of the professional accounting and management solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.</p>
	<p>PO6 · Apply ethical principles and commit to professional ethics and responsibilities and norms of the accounting and commerce practices.</p>
<p>PSO3: Develop proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses</p>	<p>PO7. Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings to accomplish finance and management practices.</p>
	<p>PO8 · Communicate effectively with the accounting professional & IT community and with society at large.</p>



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	PO9 · Demonstrate knowledge and understanding of management & commercial principles and apply these to one's own work, as a member and leader in a team. Manage project in multidisciplinary environments.
	PO10 · Recognize the need for and have the preparation and ability to engage in independent and life – long learning in the broadest context of technological change.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	2	-	3	2	-	-	2	2	1	3	2	1
CO2	-	1	-	2	1	1	2	-	-	-	3	2	2
CO3	2	3	-	2	3	-	1	1	-	3	2	1	1
CO4	3	-	2	-	-	3	3	-	3	1	2	2	3
CO5	-	3	-	-	3	1	-	-	3	1	3	1	1
Average	1.6	1.8	0.4	1.4	1.8	1	1.2	0.6	1.6	1.2	2.6	1.6	1.6

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	124	17	52
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	64.92%	8.9%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 1	b = 0	c = 3
B) Attainment based on internal assessment (CIA)	CIA	= 1	
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c);	DA	= 0.4+0=0.4	= 1*0.4+0*0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (d));	IA	= 3	
	80 % of DA	= 0.32	
	20 % IA	= 0.6	
CO Attainment Level (COA) = 80 % DA+ 20 % IA;	COA	=0.92	



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Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
B: Attainment based on Internal Assessment
C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
D: Indirect CO Attainment Level (IA)
E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	1.6	1.8	0.4	1.4	1.8	1	1.2	0.6	1.6	1.2	2.6	1.6	1.6
PO/PSO ATTAINMENT LEVEL	<u>0.49</u>	<u>0.55</u>	<u>0.123</u>	<u>0.43</u>	<u>0.55</u>	<u>0.31</u>	<u>0.37</u>	<u>0.18</u>	<u>0.49</u>	<u>0.37</u>	<u>0.8</u>	<u>0.49</u>	<u>0.49</u>

PO/PSO ATTAINMENT = COA X M

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CO-PO ATTAINMENT

Details of the course

Course Name – SYBCOM SEM IV (FOUNDATION COURSE IV)

Total no. of students = 129

Course Code: UBCOMSSIV.6

Course Objective: To explain to the students the various competitive examinations and discuss the life skills such as time management, goal setting required to shape their career.

Course Outcomes (COs):

CO1: The student would get an outline of rights reserved for the consumer along with detailed information on the Right to Information : Public Investigation Litigation Act.

CO2: The learner will be able to state the different approaches of Ecology which would help them to understand Environmental Principles for sustainable Development and Environmental pollution control.

CO3: The student will be able to describe the advanced technological inventions and their application in human life

CO4: The student will be able to recollect about competitive examinations conducted with their pattern and eligibility criteria and knowledge about various softskills.



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

PSO1: Demonstrate progressive knowledge of accounting, finance, marketing, human resource management, taxation, business laws and international business. Students will demonstrate progressive affective domain development of values, the role of accounting in society and business.	PO1 · Acquire the knowledge of accounting fundamentals, finance, marketing, human resource management, taxation, business laws and international business to the solution of accounting & management problems.
	PO2. Identify and formulate know-how on socio – economic problems to arrive at substantiated conclusions using principles and theories of commerce and accounting.
	PO3 · Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern statistical tools & software.
PSO2: Develop accounting career skills applying both quantitative and qualitative knowledge to their future careers in Commerce.	PO4. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional accounting practice and management practice
	PO5 · Understand the impact of the professional accounting and management solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.
	PO6 · Apply ethical principles and commit to professional ethics and responsibilities and norms of the accounting and commerce practices.
PSO3: Develop proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses	PO7. Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings to accomplish finance and management practices.
	PO8 · Communicate effectively with the accounting professional & IT community and with society at large.
	PO9 · Demonstrate knowledge and understanding of management & commercial principles and apply these to one's own work, as a member and leader in a team.



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	Manage project in multidisciplinary environments.
	PO10 - Recognize the need for and have the preparation and ability to engage in independent and life – long learning in the broadest context of technological change.

PO/PSO Attainment Calculations:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	2	-	3	2	2	-	-	2	1	3	1	1
CO2	-	1	-	1	3	2	-	-	2	-	2	2	2
CO3	2	-	3	-	-	1	1	3	2	3	2	3	3
CO4	3	-	2	-	-	-	2	3	3	3	2	2	3
Average	1.75	0.75	1.25	1	1.25	1.25	0.75	1.5	2.25	1.75	2.25	2	2.25

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between PO/PSO.





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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	115	114	19
Percentage of students who have achieved the target = (P/N)*100 (N is the number of students who appeared in the exam)	89.15%	88.37%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 3	b = 3	c = 3
B) Attainment based on internal assessment (CIA)	CIA	= 3	
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c);	DA	= 1.2+1.8=3	=3*0.4+3*0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (d));	IA	= 3	
	80 % of DA	= 2.4	
	20 % IA	= 0.6	
CO Attainment Level (COA) = 80 % DA+ 20 % IA;	COA	= 3	



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Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
- B: Attainment based on Internal Assessment
- C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
- D: Indirect CO Attainment Level (IA)
- E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	1.75	0.75	1.25	1	1.25	1.25	0.75	1.5	2.25	1.75	2.25	2	2.25
PO/PSO ATTAINMENT LEVEL	<u>1.75</u>	<u>0.75</u>	<u>1.25</u>	<u>1</u>	<u>1.25</u>	<u>1.25</u>	<u>0.75</u>	<u>1.5</u>	<u>2.25</u>	<u>1.75</u>	<u>2.25</u>	<u>2</u>	<u>2.25</u>

PO/PSO ATTAINMENT = COA X M/3

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CO-PO ATTAINMENT

Details of the course

Course Name – **TYBCOM SEM VI (COMPUTER SYSTEM AND ITS APPLICATION IV)**

Total no. of students = 240

Course Code: 83020

Course Objective: Develop an understanding of how computing technology presents new ways to address problems; and to use computational this analyse problems and to design, develop and evaluate solutions. read, write, test, and modify computer programs.

Course Outcomes (COs):

- | |
|--|
| CO1: The students will able to examine the current E-commerce business and threats facing organizations that conduct business online and als discuss the cryptography and related security techniques. |
| CO2: The student will be able to execute and compare the different database functions (LOOKUP, VLOOKUP, HLOOKUP), conditional functions (IF, Nested IF, COUNTIF, SUMIF) and string functions (LEFT, RIGHT, LEN, UPPER, LOWER, PROPER, TRIM, FIXED) in excel. |
| CO3: The student will be able to demonstrate the use of different Date, Statistical functions and data analysis Using Scenarios, Goal Seek, S and executing Macros. |
| CO4: The student will be able to create a simple visual basic project using different visual basic controls, variables, constant, decision and Conc statement, sub procedures |



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

PSO1: Demonstrate progressive knowledge of accounting, finance, marketing, human resource management, taxation, business laws and international business. Students will demonstrate progressive affective domain development of values, the role of accounting in society and business.	PO1: Acquire the knowledge of accounting fundamentals, finance, marketing, human resource management, taxation, business laws and international business to the solution of accounting & management problems.
	PO2: Identify and formulate know-how on socio – economic problems to arrive at substantiated conclusions using principles and theories of commerce and accounting.
	PO3: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern statistical tools & software.
PSO2: Develop accounting career skills applying both quantitative and qualitative knowledge to their future careers in Commerce.	PO4: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional accounting practice and management practice
	PO5: Understand the impact of the professional accounting and management solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.
	PO6: Apply ethical principles and commit to professional ethics and responsibilities and norms of the accounting and commerce practices.
PSO3: Develop proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses	PO7: Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings to accomplish finance and management practices.
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	Manage project in multidisciplinary environments.
	PO10 · Recognize the need for and have the preparation and ability to engage in independent and life – long learning in the broadest context of technological change.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	1	-	3	1	-	1	-	-	1	3	1	3	2
CO2	-	1	3	-	1	-	2	3	2	3	3	1	1
CO3	2	-	3	-	-	1	2	3	2	3	2	3	3
CO4	3	-	3	-	-	-	2	3	3	3	2	2	3
Average	0.86	0.25	3	0.25	0.25	0.5	1.5	2.25	2	3	2	2.25	2.25

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	76	184	20
Percentage of students who have achieved the target = $(P/N) \times 100$ (N is the number of students who appeared in the exam)	31.67%	76.67%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 0	b = 2	c = 3
B) Attainment based on internal assessment (CIA)	CIA	= 0	
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c);	DA	= 0 + 1.2 = 1.2	= 0 * 0.4 + 2 * 0.6
Indirect CO Attainment Level (IA) (based on Exit Survey (d));	IA	= 3	
	80 % of DA	= 0.96	
	20 % IA	= 0.6	
Attainment Level (COA) = 80 % DA + 20 % IA;	COA	= 1.56	



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Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
B: Attainment based on Internal Assessment
C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
D: Indirect CO Attainment Level (IA)
E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	0.86	0.25	3	0.25	0.25	0.5	1.5	2.25	2	3	2	2.25	2.25
PO/PSO ATTAINMENT LEVEL	<u>0.4472</u>	<u>0.13</u>	<u>1.56</u>	<u>0.3</u>	<u>0.13</u>	<u>0.26</u>	<u>0.78</u>	<u>1.17</u>	<u>1.04</u>	<u>1.56</u>	<u>1.04</u>	<u>1.17</u>	<u>1.17</u>

PO/PSO ATTAINMENT = COA X M/3

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CO-PO ATTAINMENT

Details of the course

Course Name – **FYBMS SEM II (Environmental Mgt)**

Total no. of students = 99

Course Code: UBMSFSII.6

Course Objective: Basic knowledge and Importance of Business Environment, through SWOT Analysis.

Course Outcomes (COs):

- | |
|--|
| CO1: The student will be able to define the Nature & Scope, Types of Business Organizations, Components of Business Environment SWOT Analysis. |
| CO2: The student will be able to describe the legislature, Executive, Judiciary, Role of government in Business, Legal framework in India, Impact of business on Private sector, Public sector and Joint sector. |
| CO3: To familiarize the students with various international organizations instrumental in ensuring efficient international trade |
| CO4: The student will be able to describe the objective and Evolution of GATT, Uruguay round, GATT v/s WTO, Functions of WTO Globalization, FDI |



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

PSO1 • Develop a sound theoretical base and exposure to current business management and areas related to it.	PO1: Acquire sound knowledge of finance, business law, statistics, marketing, economics, management, IT, communication and marketing and management research.
	PO2: Develop Critical Thinking Inculcating an intellectually disciplined process of actively and skillfully conceptualizing, applying, analyzing, synthesizing, and evaluating information gathered from, or generated by, observation, experience, reasoning, as a guide to action.
	PO3: Develop an ability to take up challenges in their professional carrier and provide effective solutions through development of problem-solving skills and application of theoretical concepts.
PSO2 • Prepare students with capabilities and skills in areas of general management, marketing, finance, global business and human resource management, to take up roles in managerial position across diverse industries.	PO4: Develop systematic and methodical analytical step-by step approach to thinking that allows graduates to break down complex problems into single and manageable components.
	PO5: Integrate research-related skills through research projects of current relevance and critical outcome
	PO6: Develop scientific Reasoning Business data analysis that is researched/observed or collected through surveys for projects and term papers requires logical thinking and reasoning for arriving at conclusions and analytical outcomes
PSO3 • Encourage creativity and innovative thinking leading to entrepreneurial skills.	PO7: Use modern tool usage and create, select, and apply appropriate techniques, resources, and modern statistical tools & software for management studies.
	PO8: Demonstrate Self-Directed Learning Curiosity in business management studies to acquire general knowledge and explore information to make better decisions, develop rational and logical beliefs and thinking.
	PO9: Create awareness of Moral and Ethical Awareness/Reasoning through sensitization and cultivation of moral and ethical values.



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PSO4 • Enhance the ability of students to meet global challenges through sensitivity towards organizational, economic and cultural diversity.

PO10: Develop lifelong Learning towards better learning and application on business data; also show awareness for generation of new ideas and innovation

PO/PSO Attainment Calculations

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	2	1	1	-	2	3	1	1	-	-	2	3	2	1
CO2	3	3	3	2	-	-	1	1	-	2	3	3	3	2
CO3	2	1	1	-	2	3	1	1	-	-	2	3	2	1
CO4	2	1	1	-	2	3	1	1	1	1	2	3	3	2
Average	2.25	1.5	1.5	0.5	1.5	2.25	1	1	0.25	0.75	2.25	3	2.5	1.5

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	Course Exit Survey
	CIA	ESE	
Number of students who have scored more than the target (P) <i>(Target is 60%)</i>	76	52	26
Percentage of students who have achieved the target = $(P/N) \times 100$ <i>(N is the number of students who appeared in the exam)</i>	76.77%	52.53%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 2	b = 0	c = 3
B) Attainment based on internal assessment (CIA) (a)	CIA	= 2	
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (b);	DA	= 0.8 + 0 = 0.8	= 2*0.4 + 0*0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (c));	IA	= 3	
	80 % of DA	= 0.64	
	20 % IA	= 0.6	
CO Attainment Level (COA) = 80 % DA + 20 % IA;	COA	= 1.24	



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Note: Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
 B: Attainment based on Internal Assessment
 C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
 D: Indirect CO Attainment Level (IA)
 E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
Average Mapping (M)	2.25	1.5	1.5	0.5	1.5	2.25	1	1	0.25	0.75	2.25	3	2.5	1.5
PO/PSO Attainment Level	<u>0.93</u>	<u>0.62</u>	<u>0.62</u>	<u>0.21</u>	<u>0.62</u>	<u>0.93</u>	<u>0.41</u>	<u>0.41</u>	<u>0.10</u>	<u>0.31</u>	<u>0.93</u>	<u>1.24</u>	<u>0.93</u>	<u>0.62</u>

PO/PSO ATTAINMENT = COA X M/3

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CO-PO ATTAINMENT

Details of the course

Course Name – **SYBMS SEM IV (Production & Total Quality Mgt)**

Total no. of students = 58

Course Code: BMS409

Course Objective: To acquaint learners with the basic management decisions with respect to production and quality management

Course Outcomes (COs):

CO1: The student will be able to identify with the basic management decisions with respect to production and quality management.
CO2: The student will be able to explain Materials Management and various techniques of Inventory Management and to learn Simple numerical on EOQ, Lead Time, reorder Level, Safety Stock
CO3: The student will be able to describe the Basics of Productivity & TQM and various Product & Service Quality Dimensions, SERVQUAL.
CO4: The student will be able to explain Quality Improvement Strategies & Certifications ISO 9000, ISO1400, QS9000. Malcolm Baldrige National Quality Award (MBNQA), Deming's Application Prize.



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

PSO1 • Develop a sound theoretical base and exposure to current business management and areas related to it.	PO1: Acquire sound knowledge of finance, business law, statistics, marketing, economics, management, IT, communication and marketing and management research.
	PO2: Develop Critical Thinking Inculcating an intellectually disciplined process of actively and skillfully conceptualizing, applying, analyzing, synthesizing, and evaluating information gathered from, or generated by, observation, experience, reasoning, as a guide to action.
	PO3: Develop an ability to take up challenges in their professional carrier and provide effective solutions through development of problem-solving skills and application of theoretical concepts.
PSO2 • Prepare students with capabilities and skills in areas of general management, marketing, finance, global business and human resource management, to take up roles in managerial position across diverse industries.	PO4: Develop systematic and methodical analytical step-by step approach to thinking that allows graduates to break down complex problems into single and manageable components.
	PO5: Integrate research-related skills through research projects of current relevance and critical outcome
	PO6: Develop scientific Reasoning Business data analysis that is researched/observed or collected through surveys for projects and term papers requires logical thinking and reasoning for arriving at conclusions and analytical outcomes
	PO7: Use modern tool usage and create, select, and apply appropriate techniques, resources, and modern statistical tools & software for management studies.
PSO3 • Encourage creativity and innovative thinking leading to entrepreneurial skills.	PO8: Demonstrate Self-Directed Learning Curiosity in business management studies to acquire general knowledge and explore information to make better decisions, develop rational and logical beliefs and thinking.
	PO9: Create awareness of Moral and Ethical Awareness/Reasoning through sensitization and cultivation of moral and ethical values.



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PSO4 • Enhance the ability of students to meet global challenges through sensitivity towards organizational, economic and cultural diversity.

PO10: Develop lifelong Learning towards better learning and application on business data; also show awareness for generation of new ideas and innovation

PO/PSO Attainment Calculations

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2	3	-	1	-	1	2	1	3	3	3	2
CO2	3	2	1	3	1	-	2	2	-	-	2	3	2	2
CO3	3	2	2	3	-	1	-	1	2	1	3	3	2	2
CO4	2	3	2	2	2	3	3	3	2	2	3	2	2	3
Average	2.75	2.25	1.75	2.75	0.75	1.25	1.25	1.75	1.5	1	2.75	2.75	2.25	2.25

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	50	57	09
Percentage of students who have achieved the target = (P/N)*100 (N is the number of students who appeared in the exam)	86.21%	98.28%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 3	b = 3	c = 3
B) Attainment based on internal assessment (CIA) (a)	CIA	= 3	
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (b);	DA	= 1.2 + 1.8 = 3	= 3*0.4 + 3*0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (c));	IA	= 3	
	80 % of DA	= 2.4	
	20 % IA	= 0.6	
CO Attainment Level (COA) = 80 % DA + 20 % IA;	COA	= 3	



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Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
- B: Attainment based on Internal Assessment
- C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
- D: Indirect CO Attainment Level (IA)
- E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	1.75	0.75	1.25	1	1.25	1.25	0.75	1.5	2.25	1.75	2.25	2	2.25
PO/PSO ATTAINMENT LEVEL	<u>1.75</u>	<u>0.75</u>	<u>1.25</u>	<u>1</u>	<u>1.25</u>	<u>1.25</u>	<u>0.75</u>	<u>1.5</u>	<u>2.25</u>	<u>1.75</u>	<u>2.25</u>	<u>2</u>	<u>2.25</u>

PO/PSO ATTAINMENT = COA X M/3

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CO-PO ATTAINMENT

Details of the course

Course Name – **TYBMS SEM VI (Operations Research)**

Total no. of students = 99

Course Code: 86001

Course Objective: To explain the students to understand operations research methodologies

Course Outcomes (COs):

- | |
|---|
| CO1: The student will be able to get an overview of Operations research and can solve practical problems of Linear Programming by Graphical and Simplex Method. |
| CO2: The student will be able to solve practical problems on various methods to develop transportation Models and assignment of jobs |
| CO3: The student will be able to illustrate various techniques of Network analysis for project management |
| CO4: The student will be able to solve practical problems on various job sequencing techniques used in production management and game theory for strategic decision |



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

<p>PSO1 • Develop a sound theoretical base and exposure to current business management and areas related to it.</p>	<p>PO1: Acquire sound knowledge of finance, business law, statistics, marketing, economics, management, IT, communication and marketing and management research.</p>
	<p>PO2: Develop Critical Thinking Inculcating an intellectually disciplined process of actively and skillfully conceptualizing, applying, analyzing, synthesizing, and evaluating information gathered from, or generated by, observation, experience, reasoning, as a guide to action.</p>
	<p>PO3: Develop an ability to take up challenges in their professional carrier and provide effective solutions through development of problem-solving skills and application of theoretical concepts.</p>
<p>PSO2 • Prepare students with capabilities and skills in areas of general management, marketing, finance, global business and human resource management, to take up roles in managerial position across diverse industries.</p>	<p>PO4: Develop systematic and methodical analytical step-by step approach to thinking that allows graduates to break down complex problems into single and manageable components.</p>
	<p>PO5: Integrate research-related skills through research projects of current relevance and critical outcome</p>
	<p>PO6: Develop scientific Reasoning Business data analysis that is researched/observed or collected through surveys for projects and term papers requires logical thinking and reasoning for arriving at conclusions and analytical outcomes</p>
<p>PSO3 • Encourage creativity and innovative thinking leading to entrepreneurial skills.</p>	<p>PO7: Use modern tool usage and create, select, and apply appropriate techniques, resources, and modern statistical tools & software for management studies.</p>
	<p>PO8: Demonstrate Self-Directed Learning Curiosity in business management studies to acquire general knowledge and explore information to make better decisions, develop rational and logical beliefs and thinking.</p>
	<p>PO9: Create awareness of Moral and Ethical Awareness/Reasoning through sensitization and cultivation of moral and ethical values.</p>



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PSO4 • Enhance the ability of students to meet global challenges through sensitivity towards organizational, economic and cultural diversity.

PO10: Develop lifelong Learning towards better learning and application on business data; also show awareness for generation of new ideas and innovation

PO/PSO Attainment Calculations

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
CO1	2	3	3	3	1	3	2	1	-	2	1	3	2	2
CO2	2	3	3	3	-	2	2	-	-	2	2	3	2	2
CO3	2	2	3	3	1	2	3	1	-	-	1	2	2	3
CO4	2	3	3	3	-	1	1	2	1	-	2	2	2	2
Average	2	2.75	3	3	0.5	2	2	1	0.25	1	1.5	2.5	2	2.25

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) <i>(Target is 60%)</i>	60	41	16
Percentage of students who have achieved the target = $(P/N) \times 100$ <i>(N is the number of students who appeared in the exam)</i>	84.51%	60% (Approx)	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 3	b = 1	c = 3
B) Attainment based on internal assessment (CIA) (a)	CIA = 3		
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (b) ;	DA = 1.2 + 0.6 = 1.8		= 3*0.4 + 1*0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (c));	IA = 3		
	80 % of DA = 1.44		
	20 % IA = 0.6		
CO Attainment Level (COA) = 80 % DA + 20 % IA;	COA = 2.04		



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Note: Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
- B: Attainment based on Internal Assessment
- C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
- D: Indirect CO Attainment Level (IA)
- E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO ATTAINMENT CALCULATIONS														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4
Average Mapping (M)	2	2.75	3	3	0.5	2	2	1	0.25	1	1.5	2.5	2	2.25
PO/PSO Attainment Level	<u>1.36</u>	<u>1.87</u>	<u>2.04</u>	<u>2.04</u>	<u>0.34</u>	<u>1.36</u>	<u>1.36</u>	<u>0.68</u>	<u>0.17</u>	<u>0.68</u>	<u>1.02</u>	<u>1.70</u>	<u>1.36</u>	<u>1.53</u>

PO/PSO ATTAINMENT= COA X M/3


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CO-PO ATTAINMENT

Details of the course

Course Name – **FYBAF SEM II (AUDITING)**

Total no. of students = 65

Course Code: UA&FFSIL.2

Course Objective: Maintaining a systematic record of all financial transactions and preparing financial reports to access the financial position of the business organisation.

Course Outcomes (COs):

CO1: The student will analyse the basic concept of audit, evaluate about the duties, qualities of an auditor, types of audit.
CO2: Learner will evaluate about the working of an audit in terms of planning, organising the audit work and reporting
CO3: Learner will be able to apply audit technique in terms of selecting samples, applying methods for data collection.
CO4: Learner will be able to evaluate the difference between internal audit and External audit and to study the importance of internal audit for external audit.



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

<p>PSO1: Demonstrate progressive knowledge of accounting, finance, marketing, human resource management, taxation, business laws and international business. Students will demonstrate progressive affective domain development of values, the role of accounting in society and business.</p>	<p>PO1 · Acquire the knowledge of accounting fundamentals, finance, marketing, human resource management, taxation, business laws and international business to the solution of accounting & management problems.</p>
	<p>PO2. Identify and formulate know-how on socio – economic problems to arrive at substantiated conclusions using principles and theories of commerce and accounting.</p>
	<p>PO3 · Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern statistical tools & software.</p>
<p>PSO2: Develop accounting career skills applying both quantitative and qualitative knowledge to their future careers in Commerce.</p>	<p>PO4. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional accounting practice and management practice</p>
	<p>PO5 · Understand the impact of the professional accounting and management solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.</p>
	<p>PO6 · Apply ethical principles and commit to professional ethics and responsibilities and norms of the accounting and commerce practices.</p>
<p>PSO3: Develop proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses</p>	<p>PO7. Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings to accomplish finance and management practices.</p>
	<p>PO8 · Communicate effectively with the accounting professional & IT community and with society at large.</p>



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	PO9 · Demonstrate knowledge and understanding of management & commercial principles and apply these to one's own work, as a member and leader in a team. Manage project in multidisciplinary environments.
	PO10 · Recognize the need for and have the preparation and ability to engage in independent and life – long learning in the broadest context of technological change.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	-	2	1	2	-	2	-	2	1	3	2	1
CO2	2	1	2	-	-	1	2	-	1	2	3	2	2
CO3	2	3	3	-	3	-	1	1	3	3	2	1	1
CO4	1	-	2	-	-	3	3	-	2	1	2	3	3
Average	2	4	2.25	0.25	1.25	1	2	0.25	1	1.75	2.5	2	1.75

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	44	27	18
Percentage of students who have achieved the target = $(P/N)*100$ (N is the number of students who appeared in the exam)	67.69%	41.54%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 1	b = 0	c = 3
B) Attainment based on internal assessment (CIA)	CIA = 1		
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c);	DA = 0.4	DA = 0.4 + 0 = 0.4	DA = 1 * 0.4 + 0 * 0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (d));	IA = 3		
	80 % of DA	= 0.32	
	20 % IA	= 0.6	
CO Attainment Level (COA) = 80 % DA + 20 % IA;	COA = 0.92		



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Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
- B: Attainment based on Internal Assessment
- C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
- D: Indirect CO Attainment Level (IA)
- E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	2	4	2.25	0.25	1.25	1	2	0.25	1	1.75	2.5	2	1.75
PO/PSO ATTAINMENT LEVEL	<u>0.61</u>	<u>1.23</u>	<u>0.69</u>	<u>0.07</u>	<u>0.38</u>	<u>0.31</u>	<u>0.61</u>	<u>0.07</u>	<u>0.31</u>	<u>0.53</u>	<u>0.76</u>	<u>0.61</u>	<u>0.53</u>

PO/PSO ATTAINMENT = COA X M/3

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CO-PO ATTAINMENT

Details of the course

Course Name – **SYBAF SEM IV** (Financial Accounting IV)

Total no. of students = 31

Course Code: UA&FFSIV.1

Course Objective: To develop fundamental knowledge about the fields of finance, accountancy, audit, taxation, law, technology and innovative practices by adopting learner centric pedagogy.

Course Outcomes (COs):

CO1: Understand the requirements of the Companies Act regarding preparation and presentation of financial statements of companies, estimation of profit or loss and preparation of Balance Sheet.
CO2: Identify the eligible criterion for redemption, the sources allowed by law and the procedure for redeeming the preference shares.
CO3: Identify the various methods in which funds are made available and applied for redeeming the debentures.
CO4: Analyze the difference between profits earned by a business before and after it is being acquired by a company.
CO5: The student will be able to convert transactions in foreign currencies into Indian rupees and the effect of fluctuations in foreign exchange rates.



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

<p>PSO1 · Apply techniques of recording and summarising transactions; financial statements preparation, performance measurement, audit planning and control.</p>	<p>PO1 · Demonstrate an understanding of the economic, regulatory, ethical, Business functions and processes, social and global contexts in which accounting and finance operate for the firm, financial market and the public sector.</p>
	<p>PO2 · Demonstrate a knowledge of theories, current and alternative practices of accounting, including recognition, disclosure of financial statements, financial reporting, cost accounting, auditing and taxation system in a local as well as international socio-economic domain.</p>
	<p>PO3 · Demonstrate in depth awareness of the international, regional and local issues related to accounting and financial integrity area, the role of accountants and financial players</p>
<p>PSO2 · Apply current technical language in Accounting and Finance to inform managerial decisions and reach a valid conclusion.</p>	<p>PO4 · Develop Critical Thinking Inculcating an intellectually disciplined process of actively conceptualizing, applying, analyzing, synthesizing, and evaluating information gathered from, or generated by, observation, experience, reasoning, as a guide to action.</p>
	<p>PO5 · Integrate research-related skills through research projects of current relevance and critical outcome.</p>
<p>PSO3 · Perform International Financial Reporting standards in all aspects of accounting, calculation of financial ratios and interpretation, tax planning.</p>	<p>PO6 · Develop scientific Reasoning Business data analysis in accounting and finance that is researched/observed or collected through surveys for projects and term papers requires logical thinking and reasoning for arriving at conclusions and analytical outcomes</p>
	<p>PO7 · Use modern tool usage and create, select, and apply appropriate techniques, resources, and modern statistical tools & software for accounting and finance studies.</p>
	<p>PO8 · Demonstrate self-Directed Learning Curiosity in accounting and finance studies to acquire general knowledge and explore information to make better decisions, develop rational and logical beliefs and thinking.</p>



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budgeting, investment assets pricing models, financing and complicated corporate strategy.	PO9 · Create awareness of Moral and Ethical Awareness/Reasoning through sensitization and cultivation of moral and ethical values.
	PO10 · Develop lifelong Learning towards better learning and application on business data; also show awareness for generation of new ideas and innovation

PO/PSO Attainment Calculations

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	2	3	2	1	-	-	1	1	-	1	3	2	3
CO2	1	2	1	1	-	1	1	2	-	-	3	2	2
CO3	1	2	1	1	-	1	1	2	-	-	3	3	2
CO4	2	3	2	2	-	-	2	-	1	1	3	2	3
CO5	3	3	3	2	1	1	1	1	1	1	3	3	2
Average	1.8	2.6	1.8	1.4	0.2	0.6	1.2	1.2	0.4	0.6	3	2.4	2.4

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	29	26	07
Percentage of students who have achieved the target = $(P/N) \times 100$ (N is the number of students who appeared in the exam)	93.55%	83.87%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 3	b = 3	c = 3
B) Attainment based on internal assessment (CIA) (a)	CIA	= 3	
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (b) ;	DA	= 1.2 + 1.8 = 3	= 3*0.4+3*0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (c));	IA	= 3	
	80 % of DA	= 2.4	
	20 % IA	= 0.6	
CO Attainment Level (COA) = 80 % DA+ 20 % IA;	COA	= 3	



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Note: Calculation of Course Outcome attainment (COA) level:

A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.

B: Attainment based on Internal Assessment

C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)

D: Indirect CO Attainment Level (IA)

E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
Average Mapping (M)	1.8	2.6	1.8	1.4	0.2	0.6	1.2	1.2	0.4	0.6	3	2.4	2.4
PO/PSO Attainment Level	<u>1.8</u>	<u>2.6</u>	<u>1.8</u>	<u>1.4</u>	<u>0.2</u>	<u>0.6</u>	<u>1.2</u>	<u>1.2</u>	<u>0.4</u>	<u>0.6</u>	<u>3</u>	<u>2.4</u>	<u>2.4</u>

PO/PSO ATTAINMENT = COA X M/3

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CO-PO ATTAINMENT

Details of the course

Course Name – **TYBAF SEM VI (SECURITY, ANALYSIS & PORTFOLIO, MANAGEMENT)**

Total no. of students = 42

Course Code: 85605

Course Objective: Maintaining a systematic record of all financial transactions and preparing financial reports to access the financial position of the business organisation.

Course Outcomes (COs):

CO1: The student will be able to describe the concept of investment, types, and objectives of investment.
CO2: The student can calculate the valuation of bond, share and securities, expected rate of return, calculation of risk measurement using standard deviation and beta factor.
CO3: The students will be able to analyse the various components of fundamental analysis and financial statement and learn to calculate different ratios required to evaluate investment options
CO4: The student can examine and distinguish the various techniques used in technical analysis.
CO5: The student can identify the market hypothesis, form of efficient market hypothesis, and random walk theory.



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

<p>PSO1: Demonstrate progressive knowledge of accounting, finance, marketing, human resource management, taxation, business laws and international business. Students will demonstrate progressive affective domain development of values, the role of accounting in society and business.</p>	<p>PO1 · Acquire the knowledge of accounting fundamentals, finance, marketing, human resource management, taxation, business laws and international business to the solution of accounting & management problems.</p>
	<p>PO2. Identify and formulate know-how on socio – economic problems to arrive at substantiated conclusions using principles and theories of commerce and accounting.</p>
	<p>PO3 · Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern statistical tools & software.</p>
<p>PSO2: Develop accounting career skills applying both quantitative and qualitative knowledge to their future careers in Commerce.</p>	<p>PO4. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional accounting practice and management practice</p>
	<p>PO5 · Understand the impact of the professional accounting and management solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.</p>
	<p>PO6 · Apply ethical principles and commit to professional ethics and responsibilities and norms of the accounting and commerce practices.</p>
<p>PSO3: Develop proficiency with the ability to engage in competitive exams like CA, CS, ICWA and other courses</p>	<p>PO7. Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings to accomplish finance and management practices.</p>
	<p>PO8 · Communicate effectively with the accounting professional & IT community and with society at large.</p>



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	PO9 : Demonstrate knowledge and understanding of management & commercial principles and apply these to one's own work, as a member and leader in a team. Manage project in multidisciplinary environments.
	PO10 : Recognize the need for and have the preparation and ability to engage in independent and life – long learning in the broadest context of technological change.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
CO1	3	3	2	-	2	1	1	-	2	1	3	2	1
CO2	2	1	3	-	2	-	1	-	2	2	3	2	2
CO3	3	3	-	-	2	-	3	1	2	3	2	1	1
CO4	1	-	3	1	-	2	3	3	2	3	2	3	3
CO5	3	2	-	-	2	1	1	-	1	-	3	2	1
Average	2.4	1.8	1.6	0.2	1.6	0.8	1.8	0.8	1.8	1.8	2.6	2	1.6

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) <i>(Target is 60%)</i>	24	34	12
Percentage of students who have achieved the target = $(P/N) \times 100$ <i>(N is the number of students who appeared in the exam)</i>	60.00%	80.95%	100%
A) Attainment Level <i>(3 for >80%, 2 for >70%, 1 for > 60%)</i>	a = 1	b = 3	c = 3
B) Attainment based on internal assessment (CIA)	CIA = 3		
C) Direct CO Attainment Level <i>(DA) = 40% CIA + 60% End-Term (e) ;</i>	DA = 0.4 + 1.8 = 2.2		= 1 * 0.4 + 3 * 0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (d));	IA = 3		
	80 % of DA	= 1.76	
	20 % IA	= 0.6	
CO Attainment Level (COA) = 80 % DA + 20 % IA;	COA = 2.36		



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Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
B: Attainment based on Internal Assessment
C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
D: Indirect CO Attainment Level (IA)
E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	2.4	1.8	1.6	0.2	1.6	0.8	1.8	0.8	1.8	1.8	2.6	2	1.6
PO/PSO ATTAINMENT LEVEL	<u>1.88</u>	<u>1.42</u>	<u>1.26</u>	<u>0.16</u>	<u>1.26</u>	<u>0.63</u>	<u>1.42</u>	<u>0.63</u>	<u>1.42</u>	<u>1.42</u>	<u>2.05</u>	<u>1.57</u>	<u>1.26</u>

PO/PSO ATTAINMENT = COA X M/3

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CO-PO ATTAINMENT

Details of the course

Course Name – **SYBA SEM IV** (FOUNDATION COURSE IV)

Total no. of students = 23

Course Code: UA&FFSII.2

Course Objective: To explain to the students the various competitive examinations and discuss the life skills such as time management, goal setting etc. required to shape their career.

Course Outcomes (COs):

CO1: The student would get an outline of rights reserved for the consumer along with detailed information on the Right to Information and Public Investigation Litigation Act.
CO2: The learner will be able to state the different approaches of Ecology which would help them to understand Environmental Principles for sustainable Development and Environmental pollution control
CO3: The student will be able to describe the advanced technological inventions and their application in human life.
CO4: The student will be able to recollect about competitive examinations conducted with their pattern and eligibility criteria and knowledge about various softskills.



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

PSO1: To look into the present and past historical claims and provide insight into the global challenges of today's world.	PO1 · The students acquire knowledge in the field of social sciences and literature which make them sensitive and sensible enough.
	PO2 · The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.
	PO3 · The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
PSO2: To understand the importance of making choice between desirable alternatives and determine the relationship between the government and the individual.	PO4. The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.
	PO5 · The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.
	PO6 · Programme provides the base to be the responsible citizen
PSO3: To understand the role of economic agent in the decision making and working of public finance system.	PO7. Through History of Art students will be connected to their roots, culture and heritage.
	PO8 · Students will learn the ability to work collaboratively in group-based activities.



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CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	2	-	-	3	2	2	1	1	2	3
CO2	1	2	-	-	2	1	-	1	2	3	1
CO3	1	2	1	1	2	1	2	2	3	1	1
CO4	1	1	3	2	-	-	-	-	3	3	1
Average	1.5	1.75	1	0.75	1.75	1	1	1	2.25	2.25	1.5

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.

Table for CO attainment calculations.



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CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	44	27	4
Percentage of students who have achieved the target = $(P/N) \times 100$ (N is the number of students who appeared in the exam)	86.96%	73.91%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 3	b = 2	c = 3
B) Attainment based on internal assessment (CIA)	CIA = 3		
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c);	DA = 1.2 + 1.2 = 2.4		= 3*0.4 + 2*0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (d));	IA = 3		
	80 % of DA = 1.92		
	20 % IA = 0.6		
CO Attainment Level (COA) = 80 % DA + 20 % IA;	COA = 2.52		



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Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
B: Attainment based on Internal Assessment
C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
D: Indirect CO Attainment Level (IA)
E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	1.5	1.75	1	0.75	1.75	1	1	1	2.25	2.25	1.5	1.5	1.75
PO/PSO ATTAINMENT LEVEL	<u>1.26</u>	<u>1.47</u>	<u>0.84</u>	<u>0.63</u>	<u>1.47</u>	<u>0.84</u>	<u>0.84</u>	<u>0.84</u>	<u>1.89</u>	<u>1.89</u>	<u>1.26</u>	<u>1.26</u>	<u>1.47</u>

PO/PSO ATTAINMENT = COA X M/3


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CO-PO ATTAINMENT

Details of the course

Course Name – **TYBA SEM IV** (INTRODUCTION TO MUSEOLOGY AND ARCHIVAL SCIENCE)

Total no. of students = 21

Course Code: 3203

Course Objective: To encourage students to pursue careers in various Museums and Archives in India and abroad.

Course Outcomes (COs):

- | |
|--|
| CO1: Spread awareness about management of Archives. |
| CO2: Deliver information and knowledge of role of museum in preservation of heritage. |
| CO3: Develop understanding on importance of Archival Science in the study of history. |
| CO4: Apply the knowledge, understanding gained and skills acquired in practical situation to solve difficulties, problems and issues related to career in various museum and Archives in India and abroad. |



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

PSO1: To look into the present and past historical claims and provide insight into the global challenges of today's world.	PO1 · The students acquire knowledge in the field of social sciences and literature which make them sensitive and sensible enough.
	PO2 · The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.
	PO3 · The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.
PSO2: To understand the importance of making choice between desirable alternatives and determine the relationship between the government and the individual.	PO4 · The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.
	PO5 · The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.
	PO6 · Programme provides the base to be the responsible citizen
PSO3: To understand the role of economic agent in the decision making and working of public finance system.	PO7 · Through History of Art students will be connected to their roots, culture and heritage.
	PO8 · Students will learn the ability to work collaboratively in group-based activities.



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CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
CO1	3	3	-	2	2	-	1	1	1	3	2
CO2	2	2	-	1	2	2	3	1	3	2	2
CO3	1	2	-	1	2	2	3	2	3	1	1
CO4	1	1	3	2	3	-	3	1	3	2	1
Average	1.75	2	0.75	1.5	2.25	1	2.5	1.25	2.5	2	1.5

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between CO and PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	21	20	4
Percentage of students who have achieved the target = $(P/N) \times 100$ (N is the number of students who appeared in the exam)	100%	95.24%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 3	b = 3	c = 3
B) Attainment based on internal assessment (CIA)	CIA = 3		
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c) ;	DA = 1.2 + 1.8 = 3		= 3 * 0.4 + 3 * 0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (d));	IA = 3		
	80 % of DA	= 2.4	
	20 % IA	= 0.6	
CO Attainment Level (COA) = 80 % DA + 20 % IA;	COA = 3		



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Calculation of Course Outcome attainment (COA) level:

Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
 Attainment based on Internal Assessment
 Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
 Indirect CO Attainment Level (IA)
 Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	1.75	2	0.75	1.5	2.25	1	2.5	1.25	2.5	2	1.5	1.75	2
PO/PSO ATTAINMENT LEVEL	<u>1.75</u>	<u>2</u>	<u>0.75</u>	<u>1.5</u>	<u>2.25</u>	<u>1</u>	<u>2.5</u>	<u>1.25</u>	<u>2.5</u>	<u>2</u>	<u>1.5</u>	<u>1.75</u>	<u>2</u>

PO/PSO ATTAINMENT = COA X M/3


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CO-PO ATTAINMENT

Details of the course

Course Name – MCOM SEM IV (INDIRECT TAX -INTRODUCTION OF GOODS AND SERVICE TAX)

Total no. of students = 39

Course Code: : 67506

Course Objective: To prepare you to analyze, interpret, and use financial statements effectively, both from a general manager and from an investor's perspective.

Course Outcomes (COs):

CO1: The student will be able to discuss basics of Indirect taxation and study the conceptual framework under GST.
CO2: The student will be able describe the registration procedure, including cancellation and revocation of registration under GST.
CO3: The student will gain complete knowledge about Sec 5 and Sec 6 of GST.
CO4: The student will be able to recognize the Sec 10 and Sec 12 of GST.



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Program Outcomes (PO) and Program Specific Outcomes (PSO).

<p>PSO1: The course helps students to achieve proficiency in different areas of Accounting and Finance, Tax Management and E-commerce.</p>	<p>PO1 · The student acquires in-depth knowledge regarding all core areas specifically Advanced Accounting, Financial Management, and Tax planning.</p>
	<p>PO2. The programme imparts the students with higher level knowledge and understanding of Research Methodology for Business, Business Environment and Ethical Framework..</p>
<p>PSO2: The Course will provide over all knowledge about Commerce, Economics, Research and Strategic Management.</p>	<p>PO3 · The programme equips the students to evaluate Environmental factors that influence business operation with the conceptual requirements and skills on preparation and interpretation of financial statements</p>
	<p>PO4. To prepare students for further out- country professional courses.</p>
	<p>PO5. To develop job skills among students and make them confident to face interviews.</p>
<p>PSO3: The student acquires practical skills to work as Tax Consultant, Audit Assistant and other Financial Supporting Services and undertake independent research/PhD</p>	<p>PO6 · The program also provides them with adequate knowledge and skill to provide consultancy services in finance and marketing. Similarly, after completion of the program students can confidently prepare for NET, SET, and other competitive examinations of their choice</p>
	<p>PO7. To develop managerial and analytical skills to meet the challenges of ever changing business environment at national and global level.</p>



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CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	1	1	2	2	-	1	3	2	1	2
CO2	3	3	1	2	-	2	3	2	1	3
CO3	3	3	2	3	2	-	2	3	2	1
CO4	2	-	-	1	-	2	3	1	2	2
Average	2.25	1.75	1.25	2	0.5	1.25	2.75	2	1.5	2

Here in the table, '3' corresponds to a high correlation; '2' corresponds to a medium correlation, and '1' corresponds to a low correlation, between PO/PSO.



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Table for CO attainment calculations.

CO Attainment Calculations			
	Direct assessment		Indirect Assessment
	Internal	External	
	CIA	ESE	Course Exit Survey
Number of students who have scored more than the target (P) (Target is 60%)	33	24	
Percentage of students who have achieved the target = $(P/N) \times 100$ (N is the number of students who appeared in the exam)	84.62%	61.54%	100%
A) Attainment Level (3 for >80%, 2 for >70%, 1 for > 60%)	a = 3	b = 1	c = 3
B) Attainment based on internal assessment (CIA)	CIA = 3		
C) Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c);	DA = 1.2 + 0.6 = 1.8		= 3*0.4 + 1*0.6
D) Indirect CO Attainment Level (IA) (based on Exit Survey (d));	IA = 3		
	80 % of DA = 1.44		
	20 % IA = 0.6		
CO Attainment Level (COA) = 80 % DA + 20 % IA;	COA = 2.04		



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Calculation of Course Outcome attainment (COA) level:

- A: Assign the attainment level (3 for >80%/ 2 for >70%/ 1 for >60%) for Direct Assessment and Indirect Assessment.
B: Attainment based on Internal Assessment
C: Direct CO Attainment Level (DA) = 40% CIA + 60% End-Term (c)
D: Indirect CO Attainment Level (IA)
E: Course Outcome Attainment (COA) level = 80% of DA and 20% of IA

PO/PSO ATTAINMENT CALCULATIONS

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
AVERAGE MAPPING (M)	2.25	1.75	1.25	2	0.5	1.25	2.75	2	1.5	2
PO/PSO ATTAINMENT LEVEL	<u>1.53</u>	<u>1.19</u>	<u>0.85</u>	<u>1.36</u>	<u>0.34</u>	<u>0.85</u>	<u>1.87</u>	<u>1.36</u>	<u>1.02</u>	<u>1.36</u>

PO/PSO ATTAINMENT = COA X M/3

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