

Criteria 2.6.2

Attainment of Programme outcomes and course outcomes are evaluated by the institution

Step-2 Evaluation

Define a benchmark % as per the course instructors choice in a scale of 1,2 and 3 and enter the number of students who have scored according to that in the table as shown below:

The screenshot shows an Excel spreadsheet titled "1MP_CO_Bioinstrumentation - Excel". The spreadsheet contains the following data:

Benchmark and Attainment

		%	We define the Attainment as
LEVEL	When 60 % of the total students got more than the threshold	13.8	1
	When 75 % of the total students got more than the threshold	17.25	2
	When 80 % of the total students got more than the threshold	18.4	3

Calculations shown in the spreadsheet:

$$23 \times 60/100 = 13.8$$
$$23 \times 75/100 = 17.25$$
$$23 \times 80/100 = 18.4$$

Students Above Threshold Marks

		Total Marks	Attainment
CIA 1	CO1	23	3
	CO2	23	3

The spreadsheet also shows a taskbar at the bottom with the date 3/4/2022 and time 2:34 PM.

Step-3

Repeat Step-1 & 2 for all the internal tests and external exams conducted. ie, calculate the attainment and evaluation in separate excel sheets. This constitutes the Direct assessment.

Step-4 Indirect Assessment

Indirect assessment is done by sending the question paper of all the exams conducted with CO levels mentioned to students and asking them to give their feedback on the acceptance of the same based on a scale of 1,2 and 3. The average of all those feedback is then calculated and final attainment is arrived as shown below:

1MP_CO_Bioinstrumentation - Excel

File Home Insert Draw Page Layout Formulas Data Review View Developer Help PDFelement Tell me what you want to do

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INDIRECT ASSESSMENT FROM STUDENTS									
PROGRAM		M.Sc. Microbiology							
COURSE CODE		1926317							
SEM		III							
COURSE STAFF		Dr.B.Kirthiga							
S.No	Name	Reg. No	CO1	CO2	CO3	CO4	CO5	CO6	CO7
1	ATHIF KALEEM	1913102041101	2	2	3	1	2	1	2
2	KESHAVA KRISHNA G	1913102041102	3	3	1	2	3	2	2
3	MAGESH P	1913102041103	3	3	3	3	3	3	3
4	NITHIYANANDAM S	1913102041104	2	2	3	3	2	3	3
5	ELAKIYA J	1913102041105	3	2	3	3	3	3	3
6	FARHEEN BANU	1913102041106	2	3	3	2	2	3	3
7	INDUMATHI R	1913102041107	3	3	3	3	3	3	3
8	JAYADHARSHINI V	1913102041108	3	2	2	3	2	3	3
9	JAYALAKSHMI K V	1913102041109	3	2	3	2	3	2	3
10	KALPANA A	1913102041110	3	3	3	3	3	3	3
11	KEERTHANA A	1913102041111	1	1	1	1	0	1	0
12	MAHA LAKSHMI V	1913102041112	3	3	3	3	3	3	3
13	MONIKA J	1913102041113	3	2	3	3	3	2	3
14	NIVETHA J	1913102041114	3	2	3	3	3	3	3
15	PUSHPA PRIYA S	1913102041115	3	3	3	3	3	3	3
16	SUGANYA S	1913102041116	2	3	3	2	3	2	3
17	SUNANTHA J	1913102041117	3	3	3	3	3	3	3
18	SUSEELA M S	1913102041118	3	3	3	3	3	3	3
19	SWARNALATHA S	1913102041119	2	3	3	2	2	3	3
20	SWATHI S	1913102041120	3	3	3	3	3	3	3
21	VAITHEESWARI A	1913102041121	3	3	3	3	3	3	3
22	VIJAYALAKSHMI E	1913102041122	3	3	3	3	3	3	3
23	VISHNUTHARIKA B	1913102041123	3	3	3	3	3	3	3
Average of COs			2.7	2.6	2.8	2.6	2.7	2.7	2.8
Total CO attainment			2.7						

0- Disagree
1-Neutral
2- Agree
3- Strongly agree

Ready

27°C Partly sunny

3:38 PM 3/4/2022

Step-5

Final course attainment is calculated from the average of all the COs of internal and external exams both direct and indirect assessment. Weightage for internal and external exams and direct and indirect assessment is decided by the course instructor and the final CO attainment score is arrived. This value is then mapped with the program attainment scores's average value as shown below:

1MP_CO_Bioinstrumentation - Excel pts chemistryclass

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Course Attainment					Final Indirect course attainment	
Final Direct course attainment calculation						
	CIA-1	CIA-2	INTERNAL	ESE		
CO1	3	3	3	3	CO1	2.69
CO2	3	2	2.5	3	CO2	2.6
CO3		3	3	1	CO3	2.78
CO4		1	1	1	CO4	2.6
CO5		3	3	1	CO5	2.65
CO6		3	3	1	CO6	2.65
CO7				1	CO7	2.78
Attainment			2.6	1.6	Final Indirect course attainment	2.7
Weightage			40	60		
Total attainment			1.0	0.9		
Direct course attainment			2.0			
Weightage			80%		20%	
Total attainment			1.6		0.5	
Final course attainment			2.1			

CO vs (PO, PSO) Mapping and course PO attainment						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	2	2	3	3	3
CO2	2		3	2	2	3
CO3	3	2	3		2	2
CO4	2	3	3			3
CO5	2		3			2
CO6	3		3			2
CO7	3		3			2
Average	2.6	2.3	2.9	2.5	2.3	2.4
Course PO attainment	1.8	1.6	2.0	1.8	1.6	1.7

Assessment - CIA 2 | Evaluation - CIA 2 | Assessment ESE | Evaluation ESE | Indirect | **Course Attainment**

Ready 27°C Partly sunny 3:39 PM 3/4/2022



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COURSE EXIT SURVEY – DECEMBER 2020

Name		Register number	
Department		Batch	
Course Code		Course Name	

Part - A: General

1	Quality of the Course Content			
(a) Excellent	(b) Very good	(c) Good	(d) Satisfactory	(e) Poor
2	Relevance of the textbook to this course			
(a) Excellent	(b) Very good	(c) Good	(d) Satisfactory	(e) Poor
3	List the Ideas / Concepts that you have found difficult to grasp			
(1)			(2)	
(3)			(4)	
4	List the Concepts / topics that should be removed from the syllabus			
(1)			(2)	
(3)			(4)	
5	List the New inclusions in the syllabus that are recommended from your view point			
(1)			(2)	
(3)			(4)	
6	Were the lectures clear/well organized and presented at a reasonable pace?			
(a) Yes	(b) No			
7	Did the lectures stimulate you intellectually?			
(a) Yes	(b) No			
8	What approaches/aids would facilitate your learning? You can check multiple options			
(a) Lectures	(b) Programming	(c) Assignments		
(d) Presentations	(e) Tutorials	(f) Demonstrations		
(g) Practical exercises	(h) Mini projects	(i) Expert guest lecture		
9	Did the problems worked out in the classroom/Online class help you to understand how to solve questions on your own?			
(a) Yes	(b) No	(c) Not applicable		
10	Is the grading scheme clearly outlined and reasonable/fair?			
(a) Yes	(b) No			
11	Are the assignment/lab experiment procedures clearly explained?			
(a) Yes	(b) No	(c) Not applicable		



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Part-B: Relating to Course Outcomes (*Kindly note the respective course teacher need to modify this template according to the requirements of the course*)

I am able to	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Reproduce the requirements of measurement and characteristics (static and dynamic) of measuring instruments and apply the knowledge for selection of the appropriate instruments in the specific measuring platform i. e. various electrical elements and variables.					
Analyze the mechanism of torque production and operation of electrical measuring instruments and apply the engineering knowledge to conceptualize the theoretical principles for practical implementation.					
Differentiate between methods for correct means for measurement of electrical variables depending on their magnitude and other features.					
Explain with functional block diagram principle of operation of electronic instruments like cathode ray oscilloscope, signal generator, digital voltmeter, multi meter, and examine their relative merits.					
Comprehend sensors and transducers with electrical outputs to measure electrical outputs that can measure non-electrical quantities like force, displacement, temperature and flow.					
Integrate instruments to make a complete measuring system under different conditions, such as, ac quantities, instrument range extension.					

Date:

Student Sign:

PROGRAM EXIT SURVEY

For outgoing students (Batch 2020 - 2021)

A part of Quality Assurance cum Assessment

You are aware that we, the faculty of DGVC are aiming at continuously improving the processes and facilities so that we are able to offer quality education in tune with the requirements of the stake holders, especially the students.

We are sure that as a fresh graduate coming out of this college, you can give valuable inputs that we will sincerely bank upon for improving our services. Kindly spare a few minutes and register your feedback in the questions that follows.

Thank you.

* Required

STUDENT PROFILE

1. Name of the student (In CAPITAL Letters) *

2. Department *

Mark only one oval.

- B.A. Economics - Shift I
- B.Com - Shift I
- B.Com Corporate Secretaryship - Shift I
- B.Sc. Mathematics (MPC)
- B.Sc. Mathematics (MAN)
- B.Sc. Physics
- B.Sc. Chemistry
- B.Sc. Plant Biology & Plant Biotechnology
- M.A. Economics
- M.Com - Shift I
- MSW
- MCA
- M.Sc. Mathematics
- M.Sc. Chemistry
- B.A. Tamil
- B.A. English
- B.A. Economics - Shift II
- B.A. Criminology & Police Administration
- B.A. Sociology
- B.A. Journalism
- B.Com - Shift II
- B.Com Bank Management
- B.Com Corporate Secretaryship - Shift II
- B. Com Honours
- B.Com Accounting & Finance
- B.Com Marketing Management
- B.Com Finance & Taxation
- BBA
- BCA
- B.Sc. Biochemistrv

- B.Sc. Biotechnology
- B.Sc. Computer Science
- B.Sc. Visual Communication
- B.Sc. Mathematics with Computer Applications
- B.Sc. Physics with Computer Applications
- B.Sc. Psychology
- B.Sc. Statistics
- M.Com - Shift II
- MBA
- M.A. HRM
- M.A. Journalism & Communication
- M.A. English
- M.Sc. Physics
- M.Sc. Applied Microbiology
- M.Sc. Biochemistry
- M.Sc. Biotechnology
- M.Sc. Computer Science
- M.Sc. Information Technology

3. Gender *

Mark only one oval.

- Male
- Female

4. Contact no *

5. Email id *

6. Overall CGPA (If declared)

7. Your aspirations (Tick as many boxes as applicable) *

Check all that apply.

- To work in government / private sector
- To work in IT / ITES industry
- To pursue higher studies
- To start own business
- Others (Pls specify)

A. Assessment of learning
ambiance and facilities at
DGVC

Please evaluate each criterion with respect to the level of your satisfaction. Place relevant tick marks and evaluate all items.

8. 1. Quality of instructions and support for learning by faculty members *

Mark only one oval per row.

	Cant' evaluate	Very good	Good	Average	Needs improvement
English	<input type="radio"/>				
Language (Tamil / Hindi / Sanskrit / Telugu)	<input type="radio"/>				
Core Subjects	<input type="radio"/>				
Core Allied Subjects	<input type="radio"/>				
Projects / Electives	<input type="radio"/>				
Internships / Field visits	<input type="radio"/>				
Non-Major Electives (NME)	<input type="radio"/>				
Environmental Studies	<input type="radio"/>				
Skill based activities	<input type="radio"/>				
Value Education / Life Skills	<input type="radio"/>				
Extension Activities	<input type="radio"/>				
Support given by the technical and supporting staff in laboratories / office	<input type="radio"/>				
Mentoring by faculty with respect to academic planning	<input type="radio"/>				
Treatment by Principal, HOD & other staff	<input type="radio"/>				

9. 2. Facilities for Academics *

Mark only one oval per row.

	Cant' evaluate	Very good	Good	Average	Needs improvement
Classrooms and tutorial rooms	<input type="radio"/>				
Multimedia facilities in class (like LCD projectors, videos)	<input type="radio"/>				
Seminar halls / ICT enabled halls	<input type="radio"/>				
Computer, internet and intranet facilities	<input type="radio"/>				
Library	<input type="radio"/>				
Value added programs	<input type="radio"/>				
Specialized centres for projects and research	<input type="radio"/>				
E-resources	<input type="radio"/>				
Laboratories	<input type="radio"/>				
Computer and CDs for self-learning in library	<input type="radio"/>				

10. 3. Academic Services *

Mark only one oval per row.

	Cant' evaluate	Very good	Good	Average	Needs improvement
COE office	<input type="radio"/>				
Placement and Career guidance cell	<input type="radio"/>				
Women's student form & Anti-sexual Harassment cell	<input type="radio"/>				
Vaishnav Initiative for Excellence	<input type="radio"/>				
Entrepreneurship Development Cell	<input type="radio"/>				
Special needs Equal Opportunity Cell	<input type="radio"/>				
College office for information	<input type="radio"/>				
Grievances Addressal	<input type="radio"/>				
Books and stationaries depot and reprographics	<input type="radio"/>				

11. 4. General Facilities *

Mark only one oval per row.

	Cant' evaluate	Very good	Good	Average	Needs improvement
Sports & games, Gymnasia	<input type="radio"/>				
Canteen	<input type="radio"/>				
Clubs for personality development (Like Srinath Fine Arts)	<input type="radio"/>				
Medical	<input type="radio"/>				
Bank, ATM, Post office and travel bookings	<input type="radio"/>				
Parking	<input type="radio"/>				

12. Kindly mention the strengths of your department. *

13. Kindly mention the areas of improvement in your department. *

**B. GENERAL
ASSESSMENT**

Kindly mention the strengths and areas that needs improvement of the college as you observed during your study in the college

14. FACILITIES - Strengths *

15. FACILITIES - Areas of Improvement *

16. TRAINING - Strengths *

17. TRAINING - Areas of Improvement *

18. GENERAL ADMINISTRATION - Strengths *

19. GENERAL ADMINISTRATION - Areas of Improvement *

20. Specify below some important skills you think you had learned at DGVC *

21. Specify some important skills that you did not get chance to learn during the program *

22. Any other suggestions / feedback / innovative ideas that you like to give to improve the overall performance of the Department/College (if any) *

Kindly fill this form to ensure that your answer scripts are evaluated.

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Google Forms



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Department of Applied Microbiology

Apiculture

Course Attainment									
Final Direct course attainment calculation					Final Indirect course attainment calculation				
	CIA-1	CIA-2	INTERNAL	ESE		CIA -1	CIA -2	Indirect AV	ESE
CO1	3		3	3	CO1	3		3	3
CO2	3		3	3	CO2	2.9		2.9	3
CO3		3	3	3	CO3		2.9	2.9	3
CO4		3	3	3	CO4		3	3	2.9
CO5		3	3	3	CO5		2.9	2.9	3
Attainment			3.0	3	Indirect course attainment	2.9			2.98
% Weightage			40	60					
Direct Total attainment			1.2	1.8					
Final direct course attainment			3.0		Final Indirect course attainment	3.0			
Weightage			80%		20%				
Total attainment			2.4		0.6				
Course attainment			3.0						

CO vs (PO, PSO) Mapping and course PO attainment						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	1	2	2	3	2	1
CO2	3	3	1	2	3	3
CO3	2	3	3	1	3	3
CO4	2	3	1	2	3	3
CO5	2	3	2	3	3	3
Average	2.0	2.8	1.8	2.2	2.8	2.6
Course PO attainment	2.0	2.8	1.8	2.2	2.8	2.6



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Food Dairy and Industry microbiology

Course Attainment									
Final Direct course attainment calculation					Final Indirect course attainment calculation				
	CIA-1	CIA-2	INTERNAL	ESE		CIA -1	CIA -2	Indirect AV	ESE
CO1	3		3	3	CO1	2.9		2.9	2.9
CO2	3		3	3	CO2	2.8		2.8	2.8
CO3		3	3	1	CO3		2.7	2.7	2.9
CO4		3	3	3	CO4		2.8	2.8	2.9
CO5		3	3	1	CO5		2.8	2.8	2.9
CO6		3	3	3	CO6		2.7	2.7	2.9
Attainment			3.0	2.333333333	Indirect course attainment	2.8			2.88333
% Weightage			40	60					
Direct Total attainment			1.2	1.4					
Final direct course attainment			2.6		Final Indirect course attainment	2.8			
Weightage			80%		20%				
Total attainment			2.1		0.6				
Course attainment			2.6						

CO vs (PO, PSO) Mapping and course PO attainment						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	2	3	3	2	3	3
CO2	3	3	1	3	3	3
CO3	3	3	2	1	3	3
CO4	1	3	2	3	3	3
CO5	2	3	1	2	3	3
CO6	3	3	3	2	3	3
Average	2.3	3.0	2.0	2.2	3.0	3.0
Course PO attainment	2.1	2.6	1.8	1.9	2.6	2.6



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Course Attainment											
Final Direct course attainment calculation					Final Indirect course attainment calculation						
	CIA-1	CIA-2	INTERNAL	ESE		CIA -1	CIA -2	Indirect AV	ESE		
CO1	3		3	3	CO1	2.9		2.9	3		
CO2	3		3	3	CO2	2.7		2.7	2.9		
CO3		3	3	3	CO3		2.8	2.8	2.9		
CO4		3	3	3	CO4		2.8	2.8	2.9		
CO5		3	3	3	CO5		2.8	2.8	3		
CO6		3	3	3	CO6		2.8	2.8	3		
CO7		3	3	3	CO7		2.8	2.8	2.9		
Attainment				3.0	3	Indirect course attainment		2.8		2.94286	
% Weightage				40	60						
Direct Total attainment				1.2	1.8						
Final direct course attainment			3.0		Final Indirect course attainment		2.9				
Weightage			80%		20%						
Total attainment			2.4		0.6						
Course attainment			3.0								

CO vs (PO, PSO) Mapping and course PO attainment						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	2	3	3	2	2
CO2	3	3	2	3	3	3
CO3	2	1	3	3	2	2
CO4	2	2	2	3	3	3
CO5	2	3	2	2	1	3
CO6	3	1	3	3	2	2
CO7	2	2	2	2	3	2
Average	2.4	2.0	2.4	2.7	2.3	2.4
Course PO attainment	2.4	2.0	2.4	2.7	2.3	2.4

Medical Microbiology



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Research Methodology & Biostatistics

Course Attainment									
Final Direct course attainment calculation					Final Indirect course attainment calculation				
	CIA-1	CIA-2	INTERNAL	ESE		CIA -1	CIA -2	Indirect AV	ESE
CO1	3		3	3	CO1	2.9		2.9	2.9
CO2	3		3	3	CO2	2.7		2.7	2.9
CO3		3	3	3	CO3		2.7	2.7	3
CO4		3	3	3	CO4		2.8	2.8	2.8
CO5		3	3	3	CO5		2.8	2.8	2.8
CO6		3	3	3	CO6		2.7	2.7	2.8
Attainment			3.0	3	Indirect course attainment	2.8			2.86667
% Weightage			40	60					
Direct Total attainment			1.2	1.8					
Final direct course attainment			3.0		Final Indirect course attainment		2.8		
Weightage			80%		20%				
Total attainment			2.4		0.6				
Course attainment			3.0						

CO vs (PO, PSO) Mapping and course PO attainment						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	1	2	2	3	3	2
CO2	3	3	2	2	2	3
CO3	2	1	2	3	3	3
CO4	2	2	1	2	2	2
CO5	2	1	1	2	1	2
CO6	3	2	3	3	1	2
Average	2.2	1.8	1.8	2.5	2.0	2.3
Course PO attainment	2.1	1.8	1.8	2.5	2.0	2.3



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Environmental Microbiology

Course Attainment									
Final Direct course attainment calculation					Final Indirect course attainment calculation				
	CIA-1	CIA-2	INTERNAL	ESE		CIA -1	CIA -2	Indirect AV	ESE
CO1	3		3	3	CO1	3		3	2.9
CO2	3		3	3	CO2	2.9		2.9	2.9
CO3		3	3	1	CO3		2.8	2.8	2.9
CO4		3	3	2	CO4		2.7	2.7	2.9
CO5		3	3	3	CO5		2.9	2.9	2.9
CO6		3	3	3	CO6		2.8	2.8	2.9
Attainment				3.0					
% Weightage				40					
Direct Total attainment				1.2					
Final direct course attainment				2.7		Final Indirect course attainment		2.9	
Weightage				80%				20%	
Total attainment				2.2				0.6	
Course attainment								2.7	

CO vs (PO, PSO) Mapping and course PO attainment						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	2	1	2	3	2	1
CO2	1	3	2	1	3	2
CO3	1	2	2	2	1	2
CO4	2	1	2	3	2	3
CO5	2	2	2	2	1	2
CO6	3	2	3	3	2	3
Average	1.8	1.8	2.2	2.3	1.8	2.2
Course PO attainment	1.7	1.7	2.0	2.1	1.7	2.0



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Nutrition & Dietetics

Course Attainment									
Final Direct course attainment calculation					Final Indirect course attainment calculation				
	CIA-1	CIA-2	INTERNAL	ESE		CIA -1	CIA -2	Indirect AV	ESE
CO1	3		3	3	CO1	2.8		2.8	2.8
CO2	3		3	1	CO2	2.8		2.8	2.8
CO3		3	3	1	CO3		2.8	2.8	2.8
CO4		3	3	3	CO4		2.8	2.8	2.8
CO5		3	3	1	CO5		3	3	2.6
Attainment			3.0	1.8	Indirect course attainment	2.8			2.76
% Weightage			40	60					
Direct Total attainment			1.2	1.1					
Final direct course attainment			2.3		Final Indirect course attainment	2.8			
Weightage			80%		20%				
Total attainment			1.8		0.6				
Course attainment			2.4						

CO vs (PO, PSO) Mapping and course PO attainment						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	2	2	2	3	2	3
CO2	3	1	3	2	1	3
CO3	1	2	3	1	3	3
CO4	3	3	3	3	3	3
CO5	2	1	3	1	1	3
Average	2.2	1.8	2.8	2.0	2.0	3.0
Course PO attainment	1.7	1.4	2.2	1.6	1.6	2.4



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Course Attainment										
Final Direct course attainment calculation					Final Indirect course attainment					
	CIA-1	CIA-2	INTERNAL	ESE		CIA -1	CIA -2	Indirect AV	ESE	
CO1	3		3	3	CO1	2.9		2.9	2.9	
CO2	3		3	3	CO2	2.7		2.7	2.8	
CO3		3	3	3	CO3		2.8	2.8	2.8	
CO4		3	3	3	CO4		2.8	2.8	2.9	
CO5		3	3	3	CO5		2.8	2.8	2.9	
CO6		3	3	3	CO6		2.8	2.8	2.8	
CO7		3	3	3	CO7		3	3	2.75	
Attainment				3.0	3	Indirect course attainment			2.8	2.83571
% Weightage				40	60					
Direct Total attainment				1.2	1.8					
Final direct course attainment				3.0		Final Indirect course attainment		2.8		
Weightage				80%		20%				
Total attainment				2.4		0.6				
Course attainment				3.0						

CO vs (PO, PSO) Mapping and course PO attainment						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	3	3	3	3	1	3
CO2	3	3	1	2	3	3
CO3	1	2	1	1	2	1
CO4	1	1	3	2	3	1
CO5	1	2	2	1	2	1
CO6	3	3	1	1	1	3
CO7	3	3	2	3	3	3
Average	2.1	2.4	1.9	1.9	2.1	2.1
Course PO attainment	2.1	2.4	1.8	1.8	2.1	2.1

ue Biotechnology



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Accounting for Managers-A

Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	2.4
CO2	3			3	3	CO2	2.1
CO3		3		3	3	CO3	2.2
CO4		3		3	1	CO4	2.1
CO5			3	3	2	CO5	2.4
Attainment				3	2.4	Final Indirect CO	2.2
% Weightage				60%	40%		
Direct Total Attainment				1.8	0.96		
Final Direct Course Attainment				2.76			
% Weightage				80%		20%	
Total Attainment				2.21		0.52	
Course Attainment				2.73			

CO VS PO Mapping and Course PO Attainment		
	PO3	PO4
CO1	3	2
CO2	3	3
CO3	3	3
CO4	2	3
CO5	2	3
Average	2.60	2.80
COURSE PO ATTAINMENT	2.16	1.8



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Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	1	CO1	2.6
CO2	3			3	2	CO2	2.7
CO3		3		3	3	CO3	2.5
CO4		3		3	3	CO4	2.7
CO5			3	3	3	CO5	2.5
Attainment				3	2.4	Final Indirect CO	2.6
% Weightage				60%	40%		
Direct Total Attainment				1.8	0.96		
Final Direct Course Attainment				2.76			
% Weightage				80%		20%	
Total Attainment				2.21		0.52	
Course Attainment				2.73			

CO VS PO Mapping and Course PO Attainment						
	PO1	PO2	PO3	PO4	PO5	
CO1	2	2	2	3	2	
CO2	3	3	3	3	0	
CO3	2	2	2	3	0	
CO4	0	2	3	0	0	
CO5	0	0	2	1	0	
Average	1.40	1.80	2.40	2.00	0.40	
COURSE PO ATTAINMENT	1.26	1.62	2.16	1.8	0.36	



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Course Attainment							
Final Direct Course Attainment Calculation						Final inDirect Course Attainment Calculation	
	CIA 1	CIA 2	CIA 3	Internal	ESE		Indirect AV
CO1	3			3	3	CO1	2.51919
CO2	3			3	2	CO2	2.5556
CO3		3		3	3	CO3	2.486
CO4		2		3	3	CO4	2.52025
CO5			3	3	3	CO5	1.6667
Attainment				3	2.8	Final outcome	2.349548
% Weightage				0.6	0.4		
Direct Course Attainment				1.8	1.12		
Final Direct Course Attainment				2.92			
% Weightage				80%	20%		
Final Course Attainment				2.4	0.46991		
Course Attainment				2.8699096			
Final Direct Course Attainment Calculation							
	PO1	PO2	PO3	PO4	PO5	PO6	
CO1	0	2	2	2	1	0	
CO2	3	2	2	3	0	2	
CO3	3	3	2	3	0	3	
CO4	0	3	0	3	0	2	
CO5	0	3	2	3	0	2	
Attainment	1.2	2.6	1.6	2.8	0.2	1.8	
Course Attainment	1.144	2.478667	1.530618	2.678582	0.191327	1.721946	

Principles of Management-A



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Principles of Management-B

Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	2.9
CO2	3			3	3	CO2	2.9
CO3		3		3	3	CO3	2.9
CO4		2		2	3	CO4	2.9
CO5			3	3	3	CO5	2.9
Attainment				2.8	3	Final Indirect CO	2.9
% Weightage				60%	40%		
Direct Total Attainment				1.68	1.2		
Final Direct Course Attainment				2.88			
% Weightage				80%			
Total Attainment				2.3		20%	
Course Attainment						0.58	
						2.88	

CO VS PO Mapping and Course PO Attainment					
	PO1	PO2	PO3	PO4	PO5
CO1	0	2	2	2	1
CO2	3	2	2	3	2
CO3	3	3	2	3	3
CO4	0	0	2	3	2
CO5	3	0	2	1	0
Average	1.80	1.40	2.00	2.40	1.60
COURSE PO ATTAINMENT	1.73	1.34	1.92	2.3	1.53



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Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	2.92
CO2	3			3	3	CO2	2.92
CO3		3		3	3	CO3	2.91
CO4		3		3	3	CO4	2.92
CO5		3	3	3	3	CO5	2.92
Attainment				3	3	Final Indirect CO	2.9
% Weightage				50%	50%		
Direct Total Attainment				1.5	1.5		
Final Direct Course Attainment				3			
% Weightage				80%		20%	
Total Attainment				2.4		0.583292308	
Course Attainment				2.983292308			

CO VS PO Mapping and Course PO Attainment					
	PO1	PO2	PO3	PO4	PO5
CO1	0	0	3	2	0
CO2	0	0	3	3	0
CO3	0	0	3	3	0
CO4	0	0	2	3	0
CO5	0	0	2	3	0
Average	0.00	0.00	2.60	2.80	0.00
COURSE PO ATTAINMENT					
T	0	0	2.582667	2.781333	0

Accounting for Managers-B



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Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	1	CO1	2.49
CO2	3			3	3	CO2	2.50
CO3		3		3	3	CO3	2.08
CO4		3		3	1	CO4	2.10
CO5			3	3	3	CO5	2.09
Attainment				3	2.4	Final Indirect CO	2.3
% Weightage				60%	40%		
Direct Total Attainment				1.8	0.96		
Final Direct Course Attainment				2.76			
% Weightage				80%		20%	
Total Attainment				2.21		0.52	
Course Attainment				2.73			

CO VS PO Mapping and Course PO Attainment					
	PO1	PO2	PO3	PO4	PO5
CO1	2	2	2	3	2
CO2	3	3	3	3	0
CO3	2	2	2	3	0
CO4	0	2	3	0	0
CO5	0	0	2	1	0
Average	1.40	1.80	2.40	2.00	0.40
ATTAINMENT	1.26	1.62	2.16	1.8	0.36

Managerial Economics-B



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Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		Indirect AV
CO1	3			3	3	CO1	3.417910448
CO2	3			3	3	CO2	2.540298507
CO3		3		3	3	CO3	2.507462687
CO4		3		3	2	CO4	2.089552239
CO5		3	3	3	3	CO5	2.791044776
Attainment				3	2.8	Final Indirect CO	2.669253731
% Weightage				60%	40%		
Direct Total Attainment				1.8	1.12		
Final Direct Course Attainment				2.92			
% Weightage				80%		20%	
Total Attainment				2.32		0.534	
Course Attainment				2.854			
CO VS PO Mapping and Course PO Attainment							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	0	0	3	2	0	0	0
CO2	0	0	3	3	0	0	0
CO3	0	0	3	3	0	0	0
CO4	0	0	2	3	0	0	0
CO5	0	0	2	3	0	0	0
Average	0	0	2.6	2.8	0	0	0
COURSE PO ATTAINMENT	0	0	2.473337	2.663594	0	0	0

Accounting for managers-C



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Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	2.7
CO2	3			3	3	CO2	2.8
CO3		3		3	3	CO3	2.6
CO4		3		3	1	CO4	2.6
CO5			3	3	2	CO5	2.7
Attainment				3	2.4	Final Indirect CO	2.7
% Weightage				60%	40%		
Direct Total Attainment				1.8	0.96		
Final Direct Course Attainment				2.76			
% Weightage				80%			
Total Attainment				2.21		0.54	
Course Attainment				2.75			
CO VS PO Mapping and Course PO Attainment							
	PO1	PO2	PO3	PO4	PO5		
CO1	2	2	2	3	2		
CO2	3	3	3	3	0		
CO3	2	2	2	3	0		
CO4	0	2	3	0	0		
CO5	0	0	2	1	0		
Average	1.40	1.80	2.40	2.00	0.40		
ATTAINMENT	1.28	1.65	2.2	1.83	0.37		



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Course Attainment						Final Indirect course attainment calculation	
Final Direct course attainment calculation							
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	1.9
CO2	3			3	3	CO2	2.3
CO3		3		3	3	CO3	2.7
CO4		3	3	6	3	CO4	2.3
CO5				0	3	CO5	2.2
Attainment				3	3	Final Indirect course attainment	2.28
% Weightage				60	40		
Direct Total attainment				1.2	1.2		
Final direct course attainment				2.4			
% Weightage				80%		20%	
Total attainment				1.6		0.536	
Course attainment				2.136			
CO vs (PO) Mapping and course PO attainment							
	PO1	PO2	PO3	PO4	PO5	PO6	
CO1	3	2	0	3	2	3	
CO2	3	3	0	2	0	0	
CO3	3	0	0	2	3	0	
CO4	0	3	0	0	0	2	
CO5	3	2	0	0	2	0	
Average	2.4	2	0	1.4	1.4	1	
Course PO attainment	1.709	1.424	0	0.997	0.9968	0.712	



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Program	BBA							
Subject Name	Principles of management							
Subject Code	2103102							
Faculty Name	D SUBA							
Semester	I							
Section	D							
Course Attainment							Final Indirect Course Attainment	
Final Direct Course Attainment Calculation							Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE	
CO1	3			3	3	CO1	3.11	
CO2	3			3	3	CO2	3.65	
CO3		3		3	1	CO3	1.89	
CO4		3		3	1	CO4	2.83	
CO5			3	3	1	CO5	1.62	
Attainment				3	1.8	Final Indirect CO	2.6	
% Weightage				60%	40%			
Direct Total Attainment				1.8	0.96			
Final Direct Course Attainment				2.76				
% Weightage				80%		20%		
Total Attainment				2.21		0.52		
Course Attainment				2.73				
CO VS PO Mapping and Course PO Attainment								
	PO1	PO2	PO3	PO4	PO5			
CO1	0	2	2	2	1			
CO2	3	2	2	3	0			
CO3	3	3	2	3	0			
CO4	0	0	2	1	0			
CO5	3	0	2	0	0			
Average	1.80	1.40	2.00	1.80	0.20			
COURSE PO ATTAINMENT	1.26	1.62	2.16	1.8	0.36			

1D Principles of Management



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Program	BBA								
Subject Name	Managerial Economics								
Subject Code	2103103								
Faculty Name	Rajeswari. S								
Semester	I								
Section	D								
Course Attainment							Final Indirect Course Attainment		
Final Direct Course Attainment Calculation							Calculation		
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE		
CO1	3			3	3	CO1	2.51		
CO2	3			3	2	CO2	2.42		
CO3		3		3	3	CO3	2.47		
CO4		3		3	2	CO4	2.40		
CO5			3	3	2	CO5	2.42		
Attainment				3	2.4	Final Indirect CO	2.4		
% Weightage				50%	50%				
Direct Total Attainment				1.5	1.2				
Final Direct Course Attainment				2.7					
% Weightage				80%		20%			
Total Attainment				2.16		0.488290909			
Course Attainment				2.648290909					
CO VS PO Mapping and Course PO Attainment									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
CO1	2	2	2	3	1	2	2		
CO2	3	3	3	3		2	2		
CO3	2	2	2	3		2	2		
CO4		2	3			3	2		
CO5			2	1		0	1		
Average	2.33	2.25	2.40	2.50	1.00	1.80	1.80		
COURSE PO ATTAINMENT	2.058167	1.9875	2.12	2.208333	0.883333	1.59	1.59		

1st Year D Section Managerial Economics –



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Program	BBA						
Subject Name	Accounting for Managers I						
Subject Code	2103101						
Faculty Name	Mr. S. Balamurali						
Semester	I						
Section	D						
Course Attainment							
Final Direct Course Attainment Calculation					Final inDirect Course Attainment		
	CIA 1	CIA 2	CIA 3	Internal	ESE		Indirect AV
CO1	3			3	3	CO1	2.662037037
CO2	3			3	3	CO2	2.548148148
CO3		3	3	3	3	CO3	2.555555556
CO4		3		3	3	CO4	2.515432099
CO5		3		3	3	CO5	2.611111111
Attainment				3	3		
% Weightage				0.6	0.4		
Direct Course Attainment				1.8	1.2		
Final Direct Course Attainment				3		Final outcome	2.57845679
% Weightage				80%		20%	
Final Course Attainment				2.4		0.515691358	
Course Attainment				2.915691358			
Final Direct Course Attainment Calculation							
	PO1	PO2	PO3	PO4	PO5		
CO1			3	2			
CO2			3	3			
CO3			3	3			
CO4			2	3			
CO5			2	3			
Attainment	0	0	2.6	2.8	0		
Course							
Attainment	0	0	2.52693	2.721312	0		

ID Accounting For Managers I



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2A Financial Management

Program	BBA						
Subject Name	Financial management						
Subject Code	2003309						
Faculty Name	S. Balamurali						
Semester	III						
Section	A						
Course Attainment							
Final Direct Course Attainment Calculation						Final inDirect Course Attainment	
	CIA 1	CIA 2	CIA 3	Internal	ESE		Indirect AV
CO1	3			3	3	CO1	2.4113475
CO2	3		3	3	3	CO2	2.4468085
CO3		3		3	3	CO3	2.4680851
CO4		3		3	3	CO4	2.4432624
CO5		3		3	3	CO5	2.4510638
Attainment				3	3	Final outcome	2.4441135
% Weightage				0.6	0.4		
Direct Course Attainment				1.8	1.2		
Final Direct Course Attainment				3			
% Weightage				80%	20%		
Final Course Attainment				2.4	0.48882		
Course Attainment				2.888822695			
Final Direct Course Attainment Calculation							
	PO1	PO2	PO3	PO4	PO5	PO6	
CO1					3	2	
CO2			2	3			
CO3				3	3		
CO4			2	3	2		
CO5			2	2	3		
Attainment			2	2.75	2.75	2	
Course Attainment	0	0	1.92588	2.64809	2.64809	1.92588	



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Program	BBA					
Subject Name	HRM					
Subject Code	2003311					
Faculty Name	D SUBA					
Semester	III					
Section	A					
Course Attainment						
Final Direct Course Attainment Calculation					Final Indirect Course Attainment Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE	Indirect AV
CO1	3			3	3	CO1 2.49
CO2	3			3	3	CO2 2.44
CO3		3		3	3	CO3 2.53
CO4		3		3	3	CO4 2.52
CO5			3	3	3	CO5 2.49
Attainment				3	3	
% Weightage				60%	40%	Final Indirect
Direct Total Attainment				1.8	0.96	CO
Final Direct Course Attainment				2.76		2.5
% Weightage				80%		20%
Total Attainment				2.21		0.52
Course Attainment				2.73		
CO VS PO Mapping and Course PO Attainment						
	PO1	PO2	PO3	PO4	PO5	
CO1	2	2	2	3	2	
CO2	3	3	3	3	0	
CO3	2	2	2	3	0	
CO4	0	2	3	0	0	
CO5	0	0	2	1	0	
Average	1.40	1.80	2.40	2.00	0.40	
COURSE PO ATTAINMENT	1.26	1.62	2.16	1.8	0.36	

2A Human Resources Management



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Program	BBA						
Subject Name	Marketing Mgmt						
Subject Code	2003310						
Faculty Name	Dr.S.P.Deepika						
Semester	III						
Section	A						
Course Attainment						Final Indirect course attainment calculation	
Final Direct course attainment calculation							
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		ESE
CO1	3			3	1	CO1	2.7
CO2	3			3	2	CO2	2.7
CO3		2		2	3	CO3	2.6
CO4		2	3	5	3	CO4	2.7
CO5		1		1	2	CO5	2.7
Attainment				2.8	2.2	Final Indirect course attainment	2.68
% Weightage				60	40		
Direct Total attainment				1.12	0.88		
Final direct course attainment				2			
% Weightage				80%	20%		
Total attainment				1.6		0.536	
Course attainment				2.136			
CO vs (PO) Mapping and course PO attainment							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	0	0	0	0	3
CO2	3	2	3	3	0	2	2
CO3	3	0	3	3	3	3	3
CO4	0	2	0	0	2	0	2
CO5	0	3	0	2	3	3	3
Average	1.6	1.8	1.2	1.6	1.6	1.6	2.6
Course PO attainment	1.139	1.282	0.854	1.1392	1.139	1.1392	1.8512

2A Marketing Management - BBA Deepika



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Program	BBA									
Subject Name	Production Management									
Subject Code	2003312									
Faculty Name	Dr. K. Rao Prashanth Jyoty									
Semester	III									
Section	A									
Course Attainment						Indirect Course Attainment				
Final Direct Course Attainment Calculation						Calculation				
	CIA - 1	CIA - 2	CIA - 3	INTERNE	ESE		ESE			
CO1	2			2	2	CO1		2.8		
CO2	2			2	3	CO2		2.8		
CO3		2		2	3	CO3		2.8		
CO4		3		3	3	CO4		2.8		
CO5			3	3	2	CO5		2.9		
Attainment				2.4	2.6	Final Indirect CO		2.8		
% Weightage				60%	40%					
Direct Total Attainment				1.44	1.04					
Final Direct Course Attainment				2.48						
% Weightage				80%	20%					
Total Attainment				1.98	0.56					
Course Attainment								2.54		
Mapping and Course PO Attainment										
	PO1	PO2	PO3	PO4	PO5					
CO1	2	3	3	3	2					
CO2	2	3	3	3	2					
CO3	2	3	3	3	3					
CO4	2	3	3	3	3					
CO5	2	3	3	3	2					
Average	2	3	3	3	2					
COURSE PO ATTAINMENT	1.69	2.54	2.54	2.54	1.69					

2A Production Management - BBA Rao Prashanth K



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Program	BBA						
Subject Name	Finacial management						
Subject Code	2003309						
Faculty Name	M. Renuka						
Semester	III						
Section	B						
Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	2.8
CO2	3	3		6	3	CO2	2.9
CO3		3		3	3	CO3	2.9
CO4		3		3	3	CO4	2.8
CO5			3	3	3	CO5	2.8
Attainment				3.6	3	Final Indirect CO	2.8
% Weightage				60%	40%		
Direct Total Attainment				2.16	1.2		
Final Direct Course Attainment				3.36			
% Weightage				80%	20%		
Total Attainment				2.688		0.56	
Course Attainment				3.248			
CO VS PO Mapping and Course PO Attainment							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	0	0	0	0	3	2	1
CO2	0	0	2	3	0	0	
CO3	0	0	0	3	3	0	
CO4	0	0	2	3	2	0	
CO5	0	0	2	2	3	0	
Average	0.00	0.00	1.20	2.20	2.20	0.40	1.00
COURSE PO ATTAINMENT	0	0	1.2992	2.381867	2.4	0.433066667	1.0827

2B Finanacial management CO attainment



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Program	BBA						
Subject Name	HRM						
Subject Code	2003311						
Faculty Name	Renu Kumari						
Semester	III						
Section	B						
Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	2.7
CO2	3			3	3	CO2	2.7
CO3		3		3	3	CO3	2.6
CO4		3		3	1	CO4	2.6
CO5			3	3	2	CO5	2.6
Attainment				3	2.4	Final Indirect CO	2.6
% Weightage				60%	40%		
Direct Total Attainment				1.8	0.96		
Final Direct Course Attainment				2.76	0.96		
% Weightage				80%	20%		20%
Total Attainment				2.21			0.52
Course Attainment							2.73
CO VS PO Mapping and Course PO Attainment							
	PO1	PO2	PO3	PO4	PO5		
CO1	2	2	2	3	2		
CO2	3	3	3	3	0		
CO3	2	2	2	3	0		
CO4	0	2	3	0	0		
CO5	0	0	2	1	0		
Average	1.40	1.80	2.40	2.00	0.40		
ATTAINMENT	1.26	1.62	2.16	1.8	0.36		



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Program	BBA						
Subject Name	Marketing management						
Subject Code	2003310						
Faculty Name	Felix Aaron K S						
Semester	III						
Section	B						

Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		Indirect AV
CO1	3			3	2	CO1	2.878571429
CO2	3			3	2	CO2	2.871428571
CO3		3		3	3	CO3	2.853571429
CO4		3		3	3	CO4	2.864285714
CO5			3	3	2	CO5	2.846428571
Attainment				3	2.4	Final Indirect CO	2.862857143
% Weightage				60%	40%		
Direct Total Attainment				1.8	0.96		
Final Direct Course Attainment				2.76			
% Weightage				80%			20%
Total Attainment				2.208			0.573
Course Attainment				2.781			

CO VS PO Mapping and Course PO Attainment							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	0	0	0	0	3
CO2	3	2	3	3	0	2	2
CO3	3	0	3	3	3	3	3
CO4	0	2	0	0	2	0	2
CO5	0	3	0	2	3	3	3
Average	1.6	1.8	1.2	1.6	1.6	1.6	2.6
COURSE PO ATTAINMENT	1.482971	1.668343	1.112229	1.482971	1.482971	1.482971	2.409828571

2B MARKETING MANAGEMENT CO ATTAINMENT



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2B PRODUCTION MANAGEMENT CO ATTAINMENT -

Program	BBA						
Subject Name	Production Mgmt						
Subject Code	2003312						
Faculty Name	Pavithra						
Semester	III						
Section	B						
Course Attainment							
Final Direct Course Attainment Calculation					Final Indirect Course Attainment Calculation		
	CIA 1	CIA 2	CIA 3	Internal	ESE	Indirect AV	
CO1	3			3	3	CO1	2.9169
CO2	3			3	3	CO2	2.9179
CO3		3		3	3	CO3	2.8953
CO4		3		3	3	CO4	2.9261
CO5			3	3	3	CO5	2.9169
Attainment				3	3	Final outcome	2.91462
% Weightage				0.6	0.4		
Direct Course Attainment				1.8	1.2		
Final Direct Course Attainment				3			
% Weightage				80%	20%		
Final Course Attainment				2.4	0.58292		
Course Attainment				2.982924			
Final Direct Course Attainment Calculation							
	PO1	PO2	PO3	PO4	PO5	PO6	
CO1	2	3	3	3	2	1	
CO2	2	3	3	3	2	2	
CO3	2	3	3	3	3	3	
CO4	2	3	3	3	3	2	
CO5	2	3	3	3	2	2	
Attainment	2	3	3	3	2.4	2	
Course Attainment	1.98667	2.98	2.98	2.98	2.384	1.98667	



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Program	BBA
Subject Name	Financial Management
Subject Code	2003309
Faculty Name	Ms. Rajeswari S
Semester	III
Section	C

Course Attainment						Final Indirect Course Attainment	
Final Direct Course Attainment Calculation						Calculation	
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	2.6
CO2	3	3		6	3	CO2	2.6
CO3		3		3	3	CO3	2.6
CO4		3		3	3	CO4	2.6
CO5			3	3	3	CO5	2.6
Attainment				3.6	3		
% Weightage				60%	40%		
Direct Total Attainment				2.16	1.2	Final Indirect	CO 2.6
Final Direct Course Attainment				3.36			
% Weightage				80%		20%	
Total Attainment				2.688		0.517586207	
Course Attainment				3.205586207			

CO VS PO Mapping and Course PO Attainment							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	0	0	0	0	3	2	1
CO2	0	0	2	3	0	0	
CO3	0	0	0	3	3	0	
CO4	0	0	2	3	2	0	
CO5	0	0	2	2	3	0	
Average	0.00	0.00	1.20	2.20	2.20	0.40	1.00
PO ATTAINM	0	0	1.282	2.350333	2.350333	0.427333333	1.06833

2C Financial Management –



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Program	BBA						
Subject Name	Human Resource Management						
Subject Code	2003311						
Faculty Name	Mrs.M.Mahalakshmi Priyadharshini						
Semester	III						
Section	C						
	Course Attainment						Final Indirect Course Attainment
	Final Direct Course Attainment Calculation						Calculation
	CIA - 1	CIA - 2	CIA - 3	INTERNAL	ESE		ESE
CO1	3			3	3	CO1	2.6
CO2	2			2	3	CO2	2.6
CO3		3		3	2	CO3	2.6
CO4		3		3	3	CO4	2.6
CO5			3	3	2	CO5	2.6
Attainment				3	2.6	Final Indirect CO	
% Weightage				60%	40%		
Direct Total Attainment				1.8	1.04		
Final Direct Course Attainment				2.84			
% Weightage				80%	20%		
Total Attainment				2.27		2.6	0.52
Course Attainment				2.79			
CO VS PO Mapping and Course PO Attainment							
	PO1	PO2	PO3	PO4	PO5		
CO1	3	3	2	3	3		
CO2	3	3	2	3	2		
CO3	2	3	3	3	2		
CO4	3	2	3	3	2		
CO5	2	2	2	2	2		
Average	2.6	2.6	2.4	2.8	2.2		
COURSE PO ATTAINMENT	2.42	2.42	2.23	2.6	2.05		



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Mathematics for statistics-II

Course Attainment						Final Indirect course attainment calculation	
Final Direct course attainment calculation							
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		ESE
CO1	3		1	2	3	CO1	1.6
CO2	3		1	2	1	CO2	1.4
CO3		3	2	2.5	3	CO3	1.4
CO4		3	2	2.5	1	CO4	1.6
CO5			1	1	1	CO5	1.4
Attainment				2	1.8	Final Indirect course attainm	1.5
% Weightage				40	60		
Direct Total attainment				0.60	0.9		
Final direct course attainment				1.50			
% Weightage				80%	20%		
Total attainment				1.20		0.30	
Course attainment				1.5			



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PRV

Course Attainment						Final Indirect course attainment calculation	
Final Direct course attainment calculation							
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		Indirect AV
CO1	2		1	1.5	1	CO1	1.5
CO2	1		1	1	3	CO2	1.5
CO3		2	2	2	1	CO3	1.5
CO4		1	2	1.5	1	CO4	1.5
CO5			1	1	2	CO5	1.4
Attainment				1.4	1.6	Final	1.5
% Weightage				40	60	Indirect	
Direct Total attainment				0.60	0.9	course	
Final direct course attainment				1.50		attainm	
% Weightage				80%	20%		
Total attainment				1.20		0.30	
Course attainment				1.5			



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I B.Sc CHEMISTRY

Course Attainment						Final Indirect course attainment calculation				
Final Direct course attainment calculation										
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV
CO1	3	3	3	3.00	2	CO1	2	2.9	2.9	2.6
CO2	1	3	3	2.33	1	CO2	2.6	2.9	3	2.8
CO3	3	3	3	3.00	2	CO3	2.6	2.4	2.9	2.6
CO4	3	3	3	3.00	1	CO4	2.7	2.9	2.8	2.8
CO5	2		3	2.50	1	CO5	2.7		2	2.4
CO6		2	3	2.50	2	CO6		2.8	2.4	2.6
Attainment				2.72	1.5	Final Indirect course attainment	2.1			2.6
% Weightage				40	60					
Direct Total attainment				1.09	0.9					
Final direct course attainment				1.99						
% Weightage				80%		20%			sum	
Total attainment				1.59		0.41			2.00	
Course attainment						2.0				



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Course Attainment						Final Indirect course attainment calculation					
Final Direct course attainment calculation											
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV	ESE
CO1	3		3	3	3	CO1	2.98		3	2.99	2.99
CO2	1		2	1.5	1	CO2	2.96		3	2.98	3
CO3		3	3	3	1	CO3		3	3	3.00	3
CO4	3		3	3	3	CO4	2.98		3	2.99	2.99
CO5		1	3	3	3	CO5		3	3	3.0	2.98
CO6		3	3	3	3	CO6		3	3	3.0	2.98
Attainment				2.75	2.3333	Final Indirect course attainment				2.99	2.99
% Weightage				40	60						
Direct Total attainment				1.10	1.4						
Final direct course attainment				2.50							
% Weightage				80%		20%		sum			
Total attainment				2.00		0.00		2.00			
Course attainment				2.00							

CO vs (PO) Mapping and course PO attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	2	3	3	3	3
CO5	3	3	3	3	2	2	3	3	3	3
CO6	3	3	3	3	2	2	3	3	3	3
Average	3	3	3	3	2.6667	2.5	3	3	3	3
Course	2.00	2.00	2.00	2.00	1.78	1.67	2	2	1.84	1.84



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Course Attainment						Final Indirect course attainment calculation					
Final Direct course attainment calculation											
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV	ESE
CO1	3		3	3	3	CO1	2.98		3	2.99	2.99
CO2	1		3	2	1	CO2	2.96		3	2.98	3
CO3		3	3	3	1	CO3		3	3	3.00	3
CO4	3		3	3	3	CO4	2.98		3	2.99	2.99
CO5		3	3	3	1	CO5		3	3	3.0	2.98
CO6		2	3	2.5	3	CO6		3	3	3.0	2.98
Attainment				2.75	2	Final Indirect course attainment				2.99	2.99
% Weightage				40	60						
Direct Total attainment				1.10	1.2						
Final direct course attainment				2.30							
% Weightage				85%		20%		sum			
Total attainment				1.96		0.00		1.96			
Course attainment								1.96			

CO vs (PO) Mapping and course PO attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	2	3	3	3	3
CO5	3	3	3	3	2	2	3	3	3	3
CO6	3	3	3	3	3	2	3	3	3	3
Average	3	3	3	3	2.8333	2.5	3	3	3	3
Course	1.96	1.96	1.96	1.96	1.85	1.63	1.955	1.955	1.84	1.84



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Course Attainment						Final Indirect course attainment calculation					
Final Direct course attainment calculation											
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV	ESE
CO1	3		3	3	3	CO1	2.98		3	2.99	2.99
CO2	1		3	2	1	CO2	2.96		3	2.98	3
CO3		3	3	3	1	CO3		3	3	3.00	3
CO4	3		3	3	3	CO4	2.98		3	2.99	2.99
CO5		3	3	3	1	CO5		3	3	3.0	2.98
CO6		2	3	2.5	3	CO6		3	3	3.0	2.98
Attainment				2.75	2	Final Indirect course attainment				2.99	2.99
% Weightage				40	60						
Direct Total attainment				1.10	1.2						
Final direct course attainment				2.30							
% Weightage				80%		20%		sum			
Total attainment				1.84		0.00		1.84			
Course attainment						1.84					

CO vs (PO) Mapping and course PO attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	2	3	3	3	3
CO5	3	3	3	3	2	2	3	3	3	3
CO6	3	3	3	3	2	2	3	3	3	3
Average	3	3	3	3	2.6667	2.5	3	3	3	3
Course	1.84	1.84	1.84	1.84	1.64	1.53	1.84	1.84	1.84	1.84



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I M.Sc PHYSICAL CHEMISTRY

Course Attainment						Final Indirect course attainment calculation					
Final Direct course attainment calculation											
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV	ESE
CO1	3		3	3	3	CO1	2.98		3	2.99	2.99
CO2	1		3	2	1	CO2	2.96		3	2.98	3
CO3		3	3	3	1	CO3		3	3	3.00	3
CO4	3		3	3	3	CO4	2.98		3	2.99	2.99
CO5		3	3	3	1	CO5		3	3	3.0	2.98
CO6		2	3	2.5	3	CO6		3	3	3.0	2.98
Attainment				2.75	2	Final Indirect course attainment				2.99	2.99
% Weightage				40	60						
Direct Total attainment				1.10	1.2						
Final direct course attainment				2.30							
% Weightage				80%		20%		sum			
Total attainment				1.84		0.00		1.84			
Course attainment				1.84							

CO vs (PO) Mapping and course PO attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	2	3	3	3	3
CO5	3	3	3	3	2	2	3	3	3	3
CO6	3	3	3	3	2	2	3	3	3	3
Average	3	3	3	3	2.6667	2.5	3	3	3	3
Course	1.84	1.84	1.84	1.84	1.64	1.53	1.84	1.84	1.84	1.84



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I M.Sc PHYSICAL CHEMISTRY

Course Attainment						Final Indirect course attainment calculation					
Final Direct course attainment calculation											
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV	ESE
CO1	3		3	3	3	CO1	2.98		3	2.99	2.99
CO2	1		3	2	1	CO2	2.96		3	2.98	3
CO3		3	3	3	1	CO3		3	3	3.00	3
CO4	3		3	3	3	CO4	2.98		3	2.99	2.99
CO5		3	3	3	1	CO5		3	3	3.0	2.98
Attainment				2.8	1.8	Final Indirect course attainment				2.99	#REF!
% Weightage				40	60						
Direct Total attainment				1.12	1.08						
Final direct course attainment				2.20							
% Weightage				80%		20%		sum			
Total attainment				2.10		0.00		2.10			
Course attainment				2.10							

CO vs (PO) Mapping and course PO attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3	3	3
CO3	3	3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	2	3	3	3	3
CO5	3	3	3	3	2	2	3	3	3	3
CO6	3	3	3	3	2	2	3	3	3	3
Average	3	3	3	3	2.6667	2.5	3	3	3	3
Course	2.10	2.10	2.10	2.10	1.87	1.75	2.1	2.1	1.84	2.1



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B.Com CS ADVANCED FINANCIAL ACCOUNTING

Course Attainment						Final Indirect course attainment calculation				
Final Direct course attainment calculation										
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV
CO1	3		2	2.5	3	CO1	2.2		2.2	2.2
CO2	3	3	1	2.3	1	CO2	2.1		2.1	2.1
CO3		3	2	2.5	2	CO3		2.1	2.1	2.1
CO4		3	3	3	2	CO4		2.2	2.2	2.2
CO5			3	3	3	CO5			2.2	2.2
Attainment				2.666667	2.2	Final Indirect course	2.1			2.2
% Weightage				40	60					
Direct Total attainment				1.07	1.32					
Final direct course attainment				2.39						
% Weightage				80%		20%		sum		
Total attainment				1.91		0.41		2.32		
Course attainment						2.3				

CO vs (PO) Mapping and course PO attainment

	PO1	PO2	PO3	PO4	PO5
CO1	1	3	2	1	2
CO2	1	3	2	1	2
CO3	2	3	1	2	2
CO4	1	2	1	3	1
CO5	1	3	1	2	1
Average	1.2	2.8	1.4	1.8	1.6
Course PO attainment	0.9	2.2	1.1	1.4	1.2



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Course Attainment						Final Indirect course attainment calculation				
Final Direct course attainment calculation										
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV
CO1	3		2	2.5	3	CO1	2.2		2.2	2.2
CO2	3	3	1	2.3	1	CO2	2.1		2.1	2.1
CO3		3	2	2.5	2	CO3		2.1	2.1	2.1
CO4		3	3	3	2	CO4		2.2	2.2	2.2
CO5			3	3	3	CO5			2.2	2.2
Attainment				2.666667	2.2	Final Indirect course	2.1			2.2
% Weightage				40	60					
Direct Total attainment				1.07	1.32					
Final direct course attainment				2.39						
% Weightage				80%			20%	sum		
Total attainment				1.91		0.41	2.32			
Course attainment				2.3						

CO vs (PO) Mapping and course PO attainment

	PO1	PO2	PO3	PO4	PO5
CO1	1	3	2	1	2
CO2	1	3	2	1	2
CO3	2	3	1	2	2
CO4	1	2	1	3	1
CO5	1	3	1	2	1
Average	1.2	2.8	1.4	1.8	1.6
Course PO attainment	0.9	2.2	1.1	1.4	1.2

B.Com CS BC



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Course Attainment						Final Indirect course attainment calculation				
Final Direct course attainment calculation										
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV
CO1	3		2	2.5	3	CO1	2.2		2.2	2.2
CO2	3	3	1	2.3	1	CO2	2.1		2.1	2.1
CO3		3	2	2.5	2	CO3		2.1	2.1	2.1
CO4		3	3	3	2	CO4		2.2	2.2	2.2
CO5			3	3	3	CO5			2.2	2.2
Attainment				2.666667	2.2	Final Indirect course	2.1			2.2
% Weightage				40	60					
Direct Total attainment				1.07	1.32					
Final direct course attainment				2.39						
% Weightage				80%			20%	sum		
Total attainment				1.91		0.41	2.32			
Course attainment						2.3				

CO vs (PO) Mapping and course PO attainment					
	PO1	PO2	PO3	PO4	PO5
CO1	1	3	2	1	2
CO2	1	3	2	1	2
CO3	2	3	1	2	2
CO4	1	2	1	3	1
CO5	1	3	1	2	1
Average	1.2	2.8	1.4	1.8	1.6
Course PO attainment	0.9	2.2	1.1	1.4	1.2



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B.COM FINANCE TAXATION - ETHICS

Course Attainment						Final Indirect course attainment calculation				
Final Direct course attainment calculation										
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV
CO1	1			3	3	CO1	3		3	3.0
CO2	1			3	3	CO2	3		3	3.0
CO3		1		3	3	CO3		3	3	3.0
CO4		3		3	3	CO4		3	3	3.0
CO5			3	3	3	CO5			3	3.0
Attainment				3	3	Final Indirect course	2.1			3.0
% Weightage				40	60					
Direct Total attainment				1.20	1.8					
Final direct course attainment				3.00						
% Weightage				80%			20%	sum		
Total attainment				2.40		0.41	2.81			
Course attainment						2.8				



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B.COM FINANCE TAXATION-PRINCIPLES OF MANAGEMENT

Course Attainment						Final Indirect course attainment calculation				
Final Direct course attainment calculation										
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV
CO1	1			3	3	CO1	3		3	3.0
CO2	1			3	3	CO2	3		3	3.0
CO3		1		3	3	CO3		3	3	3.0
CO4		3		3	3	CO4		3	3	3.0
CO5			3	3	3	CO5			3	3.0
Attainment				3	3	Final Indirect course	2.1			3.0
% Weightage				40	60					
Direct Total attainment				1.20	1.8					
Final direct course attainment				3.00						
% Weightage				80%						
Total attainment				2.40		20%			sum	
Total attainment				2.40		0.41			2.81	
Course attainment				2.8						



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B.COM FINANCE TAXATION – FINANCE ACCOUNTING

Course Attainment						Final Indirect course attainment calculation				
Final Direct course attainment calculation										
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	Indirect AV
CO1	3			3	3	CO1	3			3.0
CO2	3			3	3	CO2	3			3.0
CO3		3		3	3	CO3		3		3.0
CO4		3		3	3	CO4		3		3.0
CO5			3	3	3	CO5			3	3.0
Attainment				3	3	Final Indirect course attainm	3.0			3.0
% Weightage				40	60					
Direct Total attainment				1.20	1.8					
Final direct course attainment				3.00						
% Weightage				80%		20%		sum		
Total attainment				2.40		0.60		3.00		
Course attainment				3.0						



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PCA – BASIC ELECTRONICS

I BSc PCA- Course Name : Basic Electronics- Course Code : 2037103-EVEN SEM 2020-21

Course Attainment											
Final Direct course attainment						Indirect Course attainment					
	CIA I	CIA2	CIA 3	Internal	ESE		CIAI	CIA 2	CIA3	ESE	Indirect
CO1	3		3	3	3	CO1	2.4		2.3	2.5	1.8
CO2	3	3	3	3	3	CO2	2.4	2.5	2.4	2.6	2.5
CO3		3	3	3	3	CO3		2.6	2.3	2.2	2.4
CO4		3	3	3	3	CO4		2.1	2.4	2.1	3.3
CO5			3	3	3	CO5			2.5	2.6	2.6
Attainment				3	3	Final Indirect course attainment	2.5				2.5
% Weightage				40	60						
Direct Total attainment				1.2	1.8						
Final direct course attainment				3.0							
% Weightage				80%		20%				Sum	
Total attainment				2.4		0.5				2.9	
Course attainment						2.9					

CO vs (PO/PSO) Mapping and course PO attainment

CO/PO/ PSO	PO								PSO				
	1	2	3	4	5	6	7	8	1	2	3	4	5
CO 1	3	3	3	2	3	3	2	3	3	3	3	3	2
CO 2	3	3	3	2	3	3	3	2	3	3	3	3	3
CO 3	3	3	3	2	3	3	2	3	3	3	2	3	2
CO 4	3	3	3	3	3	3	3	3	3	3	2	3	2
CO 5	3	3	3	2	3	3	3	2	3	3	3	3	2
Average	3	3	3	2.2	3	3	2.6	2.6	3	3	2.6	3	2.2
Course PO attainment	2.9	2.9	2.9	2.1	2.9	2.9	2.5	2.5	2.9	2.9	2.5	2.9	2.1



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PCA - Introduction to Microprocessor and Microcontroller

	CIA I	CIA2	CIA 3	Internal	ESE		CIAI	CIA 2	CIA3	ESE	Indirect
CO1	3		3	3	3	CO1	2.5		3	2.3	2.6
CO2	3	3	3	3	1	CO2	2.3	2.4	2.75	2.6	2.01
CO3		3	3	3	3	CO3		2.5	2.5	2.4	2.47
CO4					3	CO4				2.2	2.6
CO5			3	3	3	CO5			3	2.3	2.65
Attainment				3.0	2.6						2.5
% Weightage				40	60						
Direct Total attainment				1.2	1.56						
Final direct course attainment					2.8	Attainment					2.5
% Weightage					80	% Weightage					20
Total attainment					2.2	Total attainment					0.5
Course attainment											2.7

CO Vs PSO Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	3	3
CO3	3	3	2	3	2
CO4	3	3	2	3	2
CO5	3	3	3	3	2
Average	3	3	2.6	3	2.2
	2.7	2.7	2.34	2.7	1.98



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PCA - Mathematical Physics II

Course Attainment											
Final Direct course attainment						Indirect Course attainment					
	CIA I	CIA2	CIA 3	Internal	ESE		CIAI	CIA 2	CIA3	ESE	Indirect
CO1	3		3	3	3	CO1	2.4		2.8	2.3	2.5
CO2	3	3	3	3	1	CO2	2.3	2.4	2.8	2.7	2.55
CO3		3	3	3	3	CO3		2.4	3	2.5	2.63
CO4					3	CO4				2.4	2.4
CO5			3	3	3	CO5			2.6	2.4	2.5
Attainment				3.0	2.6						2.5
% Weightage				40	60						
Direct Total attainment				1.2	1.56						
Final direct course attainment					2.8	Attainment					2.5
% Weightage					80	% Weightage					20
Total attainment					2.2	Total attainment					0.5
Course attainment											2.7

CO Vs PSO Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	2	3
CO3	3	3	2	1	2
CO4	3	3	1	1	2
CO5	3	3	3	2	2
Average	3	3	2.2	1.2	2.4
	2.7	2.7	1.98	1.08	2.16



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PCA - Spectroscopy

Course Attainment											
Final Direct course attainment						Indirect Course attainment					
	CIA I	CIA2	CIA 3	Internal	ESE		CIAI	CIA 2	CIA3	ESE	Indirect
CO1	3		3	3	3	CO1	2.5		2.7	2.3	2.5
CO2	3	3	3	3	1	CO2	2.4	2.2	2.75	2.2	2.4
CO3		3	3	3	3	CO3		2.5	3	2.4	2.63
CO4					3	CO4				2.6	2.6
CO5			3	3	3	CO5			2.75	2.3	2.525
Attainment				3.0	2.6						2.5
% Weightage				40	60						
Direct Total attainment				1.2	1.56						
Final direct course attainment					2.8	Attainment					2.5
% Weightage					80	% Weightage					20
Total attainment					2.2	Total attainment					0.5
Course attainment											2.7

CO Vs PSO Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	2	3
CO3	3	3	2	1	2
CO4	3	3	1	1	2
CO5	3	3	3	2	2
Average	3	3	2.2	1.2	2.4
	2.7	2.7	1.98	1.08	2.16



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PRINCIPLES OF MANAGEMENT

Course Attainment										Final Indirect course attainment calculation			
Final Direct course attainment calculation										Final Indirect course attainment calculation			
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE						ESE		
CO1	1			1	1						CO1	2	
CO2	3			3	1						CO2	2.425	
CO3		2		2	1						CO3	2.025	
CO4		2	3	2.5	1						CO4	2.475	
CO5					1						CO5	2.125	
Attainment				2.125	1						Final	2.2	
% Weightage				40	60								
Direct Total attainment				0.85	0.6								
Final direct course attainment				1.45									
% Weightage				80%									20%
Total attainment				1.16									0.44
Course attainment				1.6									

CO vs (PO) Mapping and course PO attainment

	PSO 1	PSO2	PSO 3	PS04	PSO5	PSO6	PSO9	PSO 10
CO1	3		3	3		3	3	
CO2	3	3	3	3	3	3		3
CO3	3	3	3	3	3	3	3	3
CO4	3	3	3	3	3	3	3	3
CO5	3	3	3	3				3
Average	3	3	3	3	3	3	3	3
Course	2.4	2.4	2.4	2.4	1.6	2.4	2.4	2.4



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MCA

Course Attainment						Final Indirect course attainment	
Final Direct course attainment calculation							
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		Indirect AV
CO1	1		3	2	3	CO1	2.3
CO2	3	3	3	3	1	CO2	2.0
CO3		2	3	2.5	3	CO3	2.1
CO4		3	3	3	3	CO4	2.0
CO5			3	3	1	CO5	2.1
Attainment				2.7	2.2	Final Indirect course attainment	2.1
% Weightage				40	60		
Direct Total attainment				1.08	1.32		
Final direct course attainment				2.40			
% Weightage				80%			
Total attainment				1.92		0.42	
Course attainment						2.3	



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MCA

Course Attainment						Final Indirect course attainment	
Final Direct course attainment calculation							
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		Indirect AV
CO1	1		3	2	3	CO1	2.3
CO2	3	3	3	3	3	CO2	2.3
CO3		3	3	3	1	CO3	2.2
CO4		3	3	3	1	CO4	2.5
CO5			3	3	3	CO5	2.3
Attainment				2.8	2.2	Final Indirect course attainme	2.3
% Weightage				40	60		
Direct Total attainment				1.12	1.32		
Final direct course attainment				2.44			
% Weightage				80%		20%	
Total attainment				1.95		0.46	
Course attainment				2.4			



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Course Attainment					Course Attainment						
Final Direct course attainment calculation					Final Indirect course attainment calculation						
CIA-1	CIA-2	CIA-3	INTER	ESE	CIA-1	CIA-2	CIA-3	INTERNA	ESE		
CO1		3	3	3	3	CO1		2.92	2.96	2.94	2.96
CO2			3		3	CO2			2.87	2.87	2.83
CO3	3		3	3	3	CO3	2.92		2.96	2.94	2.96
CO4	3		3	3	3	CO4	2.88		2.87	2.875	2.96
CO5		3	3	3	3	CO5		2.92	2.96	2.94	2.96
Attainment			3.00	2.2	Attainment			2.91	2.934		
Weightage			40%	60%	Weightage			40%	60%		
Total attainment			1.20	1.32	Total attainment			1.17	1.7604		
Direct course attainment			2.52		Indirect course attainment			2.93			
Weightage			80%		Weightage			20%			
Total attainment			2.0		Total attainment			0.6			

FINAL COURSE ATTAINMENT	2.6
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CO vs PO/PSO Mapping & Course PO Attainment

CO/PO/ PSO	PO										PSO				
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5
CO1	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
CO3	3	2	2	3	3	2	3	2	3	3	3	3	2	3	3
CO4	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
CO5	3	2	3	3	3	3	3	2	2	3	3	3	3	3	3
Average	3	2.6	2.8	3	3	2.8	3	2	2.8	3	3	3	2.8	3	3
PO/PSO Attainment	2.6	2.25	2.43	2.6	2.6	2.43	2.6	1.73	2.43	2.6	2.6	2.6	2.43	2.6	2.6

THERMAL PHYSICS



Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous)

College with Potential for Excellence

Linguistic Minority Institution, Affiliated to University of Madras

#833, E.V.R.Periyar Highroad, Arumbakkam, Chennai -600106, Tamil Nadu. Ph- 044-23635101 / 02 /03

MECHANICS AND PROPERTIES OF MATTER

Course Attainment						Course Attainment							
Final Direct course attainment calculation						Final Indirect course attainment calculation							
	CIA-1	CIA-2	CIA-3	INTERNAL	ESE		CIA-1	CIA-2	CIA-3	INTERNAL	ESE		
CO1		3			3	CO1		2.96			2.96		
CO2					1	CO2					2.79		
CO3	2	3	3	2.67		CO3	2.88	2.79	2.83	2.833333333	2.79		
CO4	3	3		3	3	CO4	2.75	2.96		2.855	2.96		
CO5	3	3		3	2	CO5	2.88	2.88		2.88	2.88		
Attainment					2.92	2	Attainment					2.88	2.876
% Weightage					40%	###	% Weightage					40%	60%
Direct Total attainment					1.17	1.2	Indirect Total attainment					1.15	1.726
Final direct course attainment					2.37		Final indirect course attainment					2.88	
Weightage					80%		Weightage					20%	
Total attainment					1.9		Total attainment					0.6	

FINAL COURSE ATTAINMENT 2.5 CO vs PO/PSO Mapping & Course PO Attainment

CO/PO/ PSO	PO										PSO				
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5
CO1	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
CO3	3	2	2	3	3	2	3	2	3	3	3	3	2	3	3
CO4	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
CO5	3	2	3	3	3	3	3	2	2	3	3	3	3	3	3
Average	3	2.6	2.8	3	3	2.8	3	2	2.8		3	3	3	2.8	3
Course PO/PSO Attainment	2.5	2.17	2.33	2.5	3	2.33	2.5	1.67	2.33	2.5	2.5	3	###	3	3



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B.Sc COMPUTER SCIENCE - C++

Course Attainment											
Final Direct course attainment						Indirect Course attainment					
	CIA I	CIA2	CIA 3	Internal	ESE		CIAI	CIA 2	CIA3	ESE	Indirect
CO1	3			3	3	CO1	2.5			2.5	2.5
CO2	3			3	3	CO2	2.7			2.6	2.65
CO3		1		1	3	CO3		2.5		2.5	2.5
CO4		3		2	3	CO4		2.5		2.5	2.5
CO5			2	2	3	CO5			2.5	2.5	2.5
Attainment				2.2	3						2.5
% Weightage				40	60						
Direct Total attainment				0.9	1.8						
Final direct course attainment						2.7	Attainment				2.5
% Weightage						80	% Weightage				20
Total attainment						2.2	Total attainment				0.5
Course attainment											2.7

CO Vs PSO Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	2	3	2	3
CO2	3	3	3	3	2	3
CO3	3	3	3	3	2	3
CO4	3	3	3	3	2	3
CO5	3	2	3	3	2	3
Average	3	2.8	2.8	3	2	3
	2.7	2.5	2.5	2.7	1.8	2.7



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B.Sc COMPUTER SCIENCE – DATA STRUCTURE

Course Attainment											
Final Direct course attainment						Indirect Course attainment					
	CIA I	CIA2	CIA 3	Internal	ESE		CIAI	CIA 2	CIA3	ESE	Indirect
CO1	1			1	3	CO1	2.6			2.7	2.65
CO2	3			3	3	CO2	2.5			2.7	2.6
CO3		3		3	3	CO3		2.5		2.5	2.5
CO4		2		2	3	CO4		2.6		2.7	2.65
CO5			3	3	1	CO5			2.5	2.8	2.65
Attainment				2.4	2.6						2.6
% Weightage				40	60						
Direct Total attainment				1.0	1.6						
Final direct course attainment					2.6	Attainment				2.6	
% Weightage					80	% Weightage				20	
Total attainment					2.1	Total attainment				0.5	
Course attainment											2.6

CO Vs PSO Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	3	3	2	3
CO2	3	3	3	2	3	3
CO3	3	3	3	3	3	3
CO4	3	3	3	3	2	2
CO5	3	3	3	2	2	2
Average	3	3	3	2.6	2.4	2.6
	2.6	2.6	2.6	2.3	2.1	2.3