



RCMAS
RAJAGIRI COLLEGE OF MANAGEMENT &
APPLIED SCIENCES

Criterion II

Teaching- Learning and Evaluation

RAJAGIRI COLLEGE OF MANAGEMENT AND APPLIED SCIENCES

RAJAGIRI VALLEY P.O, KAKKANAD, KERALA 682039

An ISO 9001 : 2015 Certified Institution

Affiliated to Mahatma Gandhi University, Kottayam and Approved by AICTE

2.6

Student Performance and Learning Outcomes

2.6.2 Programme Outcome and Course Outcome Attainment

Submitted to



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1. Programme Outcome Attainment

Sample - CO PO Attainment

Bachelor of Business Administration

Bachelor of Business Administration (BBA)											
Course Name	Course Code	PO Attainment - Direct Measures									
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PS02	PS03
SEMESTER 1											
Fundamentals Of Business Mathematics	BA1CMT03	2									2.4
Fundamentals Of Business Statistics	BA1CMT04	2.4				2.4					
Principles & Methodology Of Management	BA1CRT01	2				2.4			2.4		
Business Accounting	BA1CRT02	2.4								2.4	2.4
Five-Time Your English	FN1CC01	5									
SEMESTER 2											
Mathematics For Management	BA2CMT08	2				2.4					
Cost And Management Accounting	BA2CRT06	2.4				2.4					2.4
Statistics For Management	BA2CMT09	1.4						1.8			
Business Communication	BA2CRT07						2				2.4
Issues That Matter	EN2CC105		2.4					2.4			
SEMESTER 3											
Marketing Management	BA3CRT12	2.4				2					2.4
Research Methodology	BA3CR114					2.4		2.4			2.4
Business Law	BA3CMT14	1.8							1.8	1.4	
Human Resource Management	BA3CR111									1.8	
Personality Development And Management Skills	BA3PRP15					3			3	3	
SEMESTER 4											
Managerial Economics	BA4CR117	2				2.4			2		
Entrepreneurship	BA4CR118			1.2							
Basic Informatics For Management	BA4CMT19	1.8				1.4					
Financial Management	BA4CRT16	1.4								1.4	1
Corporate Law	BA4CMT20	1.4							1.4	1.8	
SEMESTER 5											
Operations Management	BA5CRT125	1.8				1.8					2.4
Organisation Behaviour	BA5CRT121	1.4				1.8					1.4
Fundamentals Of Banking And Insurance	BA50PI22	1.8				1.8				1.8	
Environment Science And Human Rights	BA5CRT123	1.8	2.4								
Intellectual Property Rights And Industrial Laws	BA5CMT21	1.4							1.4	1.8	
Industrial Relations	BA5CRT126										1.6
SEMESTER 6											
Strategic Management	BA6CRT29					2.4					2.4
Advertising And Salesmanship	BA6OC128	3						3		3	
Communication Skills And Personality Development	BA6CR150					2.4	2.4				2.4
Healthcare Management	BA6OC127				2.4					2	
Management Project	BA6PRP51				3			3		3	



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Sample - CO PO Attainment
Bachelor of Computer Application

Bachelor of Computer Application (BCA)											
Course Name	Course Code	PO Attainment -Direct Measures									
		P01	P02	P03	P04	P05	P06	P07	PS01	PS02	PS03
Discrete Mathematics - I	MM1CMT03	3			3						
Basic Statistics And Introductory Probability Theory	ST1CMT31					2.4				2.4	
Computer Fundamentals And Digital Principles	CA1CRT01								2.4		
Methodology Of Programming And C Language	CA1CRT02								2.4	2.4	
Software Lab-I	CA1CRP01									2.4	
Five-Tune Your English	EN1CC01						3			3	
SEMESTER 2											
Discrete Mathematics - II	MM2CMT03	1.6			2.4						
Database Management System	CA2CRT03									2	2
Computer Organization And Architecture	CA2CRT04								2.4		
Object Oriented Programming Using C++	CA2CRT05									1.6	
Software Lab-II	CA2CRP02									2.4	
Issues That Matter	EN2CC103							1.8	1.8	1.8	
SEMESTER 3											
Advanced Statistical Methods	ST3CMT32								1.4		
Computer Graphics	CA3CRT06									2	
Microprocessors And Pc Hardware	CA3CRT07								2.4		
Operating Systems	CA3CRT08								2.4	2	
Data Structure Using C++	CA3CRT09	2.4								2	
Software Lab III	CA3CRP03									3	
SEMESTER 4											
Operations Research	MM4CMT03	2								2	
Design And Analysis Of Algorithms	CA4CRT10									2	
System Analysis And Software Engineering	CA4CRT11								1.4	1.8	
Linux Administration	CA4CRT12									2.4	
Web Programming Using Php	CA4CRT13								2	2	
Software Lab IV	CA4CRP04									3	3
SEMESTER 5											
Computer Networks	CA5CRT14								2.4	2.4	
IT & Environment	CA5CRT15		2.4							2.4	
Java Programming Using Linux	CA5CRT16								2.4	2.4	
Brand Management	BA5OPT22			3							
Software Lab V	CA5CRP05								3	3	
Software Development Lab I (Mini Project)	CA5CRP06	3								3	3
SEMESTER 6											
Cloud Computing	CA6CRT17									1.8	
Mobile Application Development-Android	CA6CRT18								2.4	2.4	
Data Mining	CA6PFT01									2.4	
Software Lab 6 & Seminar	CA6CRP07	3							3		
Software Development Lab II (Mini Project)	CA6CRP08		3			3					3
Final Project	CA6VV101						2.8				
PO Attainment (CIA)		2.5	2.7	2.6	2.7	2.7	2.93	1.8	2.27	2.31	2.75



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Sample - CO PO Attainment

B. A Animation and Graphic Design

BA Animation and Graphic Design											
Course Name	Course Code	Direct PO attainment									
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
SEMESTER 1											
Fine Tune Your English	EN1CC01						2.4				2.4
1-2 History of Art and Design	AG1CR101	1				2			1.4		
1-3 Elements of Graphic Design	AG1CRP02	1.8							3	3	2.6
1-4 Rudiments of Animation Drawing	AG1CRP03	1.8			2.4			3	2	2.4	
1-5 Techniques of Photographic Composition	AG1PRP01	1.8							1.8	1.8	
SEMESTER 2											
History of Animation & Visual Effects	AG2CRT04	1.4							1.8		1.8
2-3 Planning for Animation	AG2PRP02	2.4				2.4					
Raster Graphics	AG2CRP05									2.4	2.4
2-5 Vector Graphics	AG2CRP06							2		2.4	
Issues that Matter	EN2CC103		2				2				
SEMESTER 3											
3-1 Character Designing for Animation	AG3CRP07	1.8				1.8				1.8	
3-2 Basics of 3D Animation	AG3CRP08	1.8			1.8	1.8				1.8	
3-3 Classical Animation	AG3PRP03				1.2			1.8	1.8	1.8	
Basic Compositing and Visual Effects	AG3CMP09									2.4	2
3-5 Branding Design	AG3CRP10								2.4	2.4	2
SEMESTER 4											
Design for Web	AG4CRP11	2.4				2					2
4-2 Stop Motion Animation	AG4PRP04							3		3	
Typography	AG4CMP12								1.8	1.8	
4-4 Advanced Cel Animation	AG4PRP05								1.8	1.8	
4-5 Techniques of 3D Animation	AG4CRP13	1.8									1.8
SEMESTER 5											
5-1 Environmental Studies and Human Rights	AG5CRT14		1.4								
5-2 Interaction Design	AG5CMP15	1.6								2	
5-3 Digital Illustration	AG5CRP16							2		2	
5-4 Advanced 3D Animation Techniques	AG5CRP17	1.8								1.8	
Computer Fundamentals, Internet and MS Office	CA5OPT02	2.4									
SEMESTER 6											
6-1 Internship	AG6OIP01		3		3					3	3
6-2 Animation Project	AG6PRP06									2.4	
6-3 Publication Design	AG6CMP18								1.8	1.8	1.4
6-4 Design Project	AG6PRP07				2.4				2.4	2.4	
6-5 Working with Pixels	AG6CBP15	2.4								2.4	
6-6 Branding Design	AG6PRP08				2.4			2.4		2.4	
PO Attainment		1.87	2.13	2.4	2.1	2	2.2	2.37	2	2.21	2.17



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2. Course Outcome Attainment

Specimen Bachelor of Business Administration

Course Name	Course Code	CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	Total count	CO Attainment
			Attainment	Attainment	Attainment	Attainment	Attainment	Attainment	Attainment	Attainment	Attainment	Attainment		
SEMESTER 1														
Fundamentals Of Business Mathematics	BA1CMT03	CO1	2										65	2
		CO2	3										65	3
		CO3										3	65	3
Fundamentals Of Business Statistics	BA1CMT04	CO1	3										65	3
		CO2					3						65	3
		CO3					3						65	3
Principles & Methodology Of Management	BA1CRT01	CO1	2										65	2
		CO2					3						65	3
		CO3								3			65	3
Business Accounting	BA1CRT02	CO1	3										65	3
		CO2									3		65	3
		CO3										3	65	3
Fine-Tune Your English	EN1CC01	CO1						3					65	3
		CO2	3										65	3
		CO3						3					65	3



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Specimen

B. A Animation and Graphic Design

Course Name	Course Code	CO No.	PO1	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	Total count	CO Attainment
			Attainment	Attainment	Attainment	Attainment	Attainment	Attainment	Attainment	Attainment	Attainment		
SEMESTER 1													
Fine-tune Your English	EN1CC01	CO1					3					55	3
		CO2								3		55	3
		CO3					2					55	2
1-2 History of Art and Design	AG1CRT01	CO1	1									55	1
		CO2							2			55	2
		CO3							2			55	2
1-3 Elements of Graphic Design	AG1CRP02	CO1							3			55	3
		CO2								3		55	3
		CO3									2	55	2
1-4 Rudiments of Animation Drawing	AG1CRP03	CO1								3		55	3
		CO2							2			55	3
		CO3			3							55	2
1-5 Techniques of Photographic Composition	AG1PRP01	CO1	3		3							55	3
		CO2								3		55	3
		CO3							3			55	3



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Rajagiri Valley, P. O., Kakkannad - 682 039

3. CO PO Attainment Calculation

To calculate the attainment of Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) using the described method, you can follow these steps:

CO - PO Attainment Calculation

To calculate the attainment of Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) using the described method, you can follow these steps:

- **Conduct Direct Assessment - 80 Weightage:**
 - Evaluate students through **Continuous Internal Assessment (CIA)** - Internal assessment tests 1 and 2 and assignments/seminars.
 - Calculate the average CO score for each course.
 - Map CO scores to POs/PSOs.

- **Conduct Indirect Assessment - 20 Weightage:**
 - Collect and analyze student feedback through exit surveys.
 - Convert feedback to quantitative scores for each PO
 - Multiply the average PO score by the indirect assessment weightage (0.2).

- **Calculate Final Attainment Score for POs/PSOs:**
 - Combine Direct and Indirect Assessment Scores using the formula:
Final PO/PSO Attainment Score = (Direct Assessment Score × 0.8) + (Indirect Assessment Score × 0.2)
 - Compare final attainment scores with benchmarks to evaluate the attainment of POs/PSOs.



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4. Sample Question Paper



RCMAS
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KAKKANAD

Roll No.....

Name.....

FIRST INTERNAL ASSESSMENT TEST, MARCH 2023

BBA SEMESTER - IV

BASIC INFORMATICS FOR MANAGEMENT

Time: 1 ½ Hour

Max. Marks: 30

PART - A

Answer all questions. Each carry 2 marks.

1. What are the advantages of electronic spreadsheet?
2. What is goal seek?
3. What is a macro?
4. Explain any two statistical functions.
5. Explain bar chart. (2x5 = 10)

PART - B

Answer any 2 questions. Each carry 5 marks.

6. Explain the screen components of Excel.
7. Define formulas in excel with an example.
8. Explain the steps for creating a chart in Excel? List out at least 5 charts.
9. Explain Sort and filter options in Excel. (5x2 = 10)

PART - C [Course Outcome: CO-1]

Answer any one question. Each question carries 10 marks

10. a) XYZ Corporation has provided you with quarterly sales data for its four regional offices over the past two years. Using Excel, create a comparative analysis chart that effectively displays the performance of each region across the quarters.

OR

- b) Using Excel's conditional formatting, highlight the top 10%, bottom 10%, and any sales below a \$10,000 threshold from a monthly sales report. Explain the steps you took and how this helps in managerial decision-making. (10x1=10)



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