KG COLLEGE OF ARTS AND SCIENCE
Affiliated to Bharathiar University
Accredited by NAAC
ISO 9001:2015 Certified Institution
KGiSL Campus, Coimbatore – 641 035

Criterion 1 - Curricular Aspects
Key Indicator 1.3. - Curriculum Enrichment
1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Supporting Document

B.B.A

B.B.A (Bachelor of Business Administration)

SEMESTER –V							
III	Core XIII – Cost & Management Accounting	6	3	25	75	100	4
III	Core XIV – Research Methods for Management	5	3	25	75	100	4
III	Core XV - Advertising and Sales Promotion	5	3	25	75	100	4
III	Core XVI – Business Correspondence	6	3	25	75	100	4
III	Skill Enhancer: Institutional Training ^	-	-	10	40	50	2
III	Elective –I :	5	3	25	75	100	4
IV	Skill based Subject –3 : Campus to Corporate ^	3	3	30	45	75	3
SEMESTER –VI							
III	Core XVII – Entrepreneurship and Small Business Management	6	3	25	75	100	4
III	Core XVIII - Investment Management	6	3	25	75	100	4
III	Core XIX – Services Marketing	5	3	25	75	100	4
III	Elective –II :	5	3	25	75	100	4
III	Elective –III :	5	3	25	75	100	4
IV	Skill based Subject –4 : Soft Skills for Business ^	3	3	30	45	75	3
V	Extension Activities @	-	-	50	-	50	2
	TOTAL	-	-	-	-	**3500**	**140**

^ Refer the detailed note on this curricular aspect

@ No University Examinations. Only Continuous Internal Assessment (CIA)
University Examination – Refer the detailed note on this curricular component.

No Continuous Internal Assessment (CIA).Only University Examinations.

List of Elective papers (Colleges can choose any one of the paper as electives)		
Elective – I	A	Intellectual Property Rights.
	B	Modern Office Management
	C	Company Law and Secretarial Practice
	D	Customer Relationship Management
Elective – II	A	Banking Law and Practice
	B	Industrial Relations and Labour Laws
	C	Insurance Principles and Practice
	D	Consumer Behaviour
Elective - III	A	E-Commerce
	B	Project Work & Viva-Voce
	C	Financial Services
	D	Global Business Management

Project Work & Viva-Voce

Project Work-50 Marks (25 Marks for Internal and 25 Marks for External) & Viva Voce-50 marks (External) :(25 marks for Internal Assessment & 75 marks for External Assessment)

B.B.A with Computer Applications

B.B.A (Bachelor of Business Administration)

	SEMESTER –V						
III	Core XIII – Cost & Management Accounting	6	3	25	75	100	4
III	Core XIV – Research Methods for Management	5	3	25	75	100	4
III	Core XV - Advertising and Sales Promotion	5	3	25	75	100	4
III	Core XVI – Business Correspondence	6	3	25	75	100	4
III	Skill Enhancer: Institutional Training ^	-	-	10	40	50	2
III	Elective –I :	5	3	25	75	100	4
IV	Skill based Subject –3 : Campus to Corporate ^	3	3	30	45	75	3
	SEMESTER –VI						
III	Core XVII – Entrepreneurship and Small Business Management	6	3	25	75	100	4
III	Core XVIII - Investment Management	6	3	25	75	100	4
III	Core XIX – Services Marketing	5	3	25	75	100	4
III	Elective –II :	5	3	25	75	100	4
III	Elective –III :	5	3	25	75	100	4
IV	Skill based Subject –4 : Soft Skills for Business ^	3	3	30	45	75	3
V	Extension Activities @	-	-	50	-	50	2
	TOTAL	-	-	-	-	3500	140

^ Refer the detailed note on this curricular aspect

@ No University Examinations. Only Continuous Internal Assessment (CIA)
University Examination – Refer the detailed note on this curricular component.

No Continuous Internal Assessment (CIA).Only University Examinations.

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Elective – I	A	Intellectual Property Rights.
	B	Modern Office Management
	C	Company Law and Secretarial Practice
	D	Customer Relationship Management
Elective – II	A	Banking Law and Practice
	B	Industrial Relations and Labour Laws
	C	Insurance Principles and Practice
	D	Consumer Behaviour
Elective - III	A	E-Commerce
	B	Project Work & Viva-Voce
	C	Financial Services
	D	Global Business Management

Project Work & Viva-Voce

Project Work-50 Marks (25 Marks for Internal and 25 Marks for External) & Viva Voce-50 marks (External) :(25 marks for Internal Assessment & 75 marks for External Assessment)

B.Sc. Computer Science / B.C.A / B.Sc. Information Technology / B.Sc. Computer Technology

III	Allied 4: &&	6	3	25	75	100	4
IV	Skill based subject 2 (lab) &&	4	3	30	45	75	3
IV	Tamil @/ Advanced Tamil (OR) Non-major elective-II (General Awareness) #	2	3	-	50	50	2
	Semester V						
III	Core 8: RDBMS & Oracle	6	3	25	75	100	4
III	Core 9: Visual Basic	6	3	25	75	100	4
III	Core Lab 6: Programming Lab – VB & Oracle	6	3	40	60	100	4
III	Elective 1 &&	6	3	25	75	100	4
IV	Skill based Subject 3: &&	6	3	20	55	75	3
	Semester VI						
III	Core 10: Graphics & Multimedia	5	3	25	75	100	4
III	Core 11: Project Work Lab %%	5	3	-	200	200	8
III	Core Lab 7: Programming Lab – Graphics & Multimedia	6	3	40	60	100	4
III	Elective II &&	5	3	25	75	100	4
III	Elective III &&	5	3	25	75	100	4
IV	Skill based Subject 4 (lab) &&	4	3	30	45	75	3
V	Extension Activities	-	-	50	-	50	2
	Total					3500	140

@ No University Examinations. Only Continuous Internal Assessment (CIA)

No Continuous Internal Assessment (CIA). Only University Examinations.

%% see **Guidelines for Project Work.**

B.Sc. Electronics and Communication Systems

IV	III		Paper VI : IC's and Instrumentation	4	3	25	75	100	4
			Paper VII : Television Engineering	4	3	25	75	100	4
			Paper VIII : Digital and Cellular Communications	4	3	25	75	100	4
			Pract. III Digital Electronics Lab	3	3	40	60	100	4
			Pract. IV Electronic Circuits, Radio, TV and Instrumentation Lab	3	3	40	60	100	4
			Allied: IV Object Oriented Programming using C++	4	3	20	55	75	3
	IV		Pract. V : Computer Programming Lab	3	3	20	30	50	2
			Skill based Subject II :						
			Visual Programming	3	3	20	55	75	3
			Tamil @ /Advanced Tamil # (OR)						
			Non-major elective -II (General Awareness #)	2	3		50	50	2
V	III		Paper IX : 8085 Microprocessor and Applications	6	3	25	75	100	4
			Paper X : Industrial and Power Electronics	6	3	25	75	100	4
			Pract. VI: Microprocessor and Microcontroller Lab	3	-	-	-	-	
			Pract. VII: Industrial and Power Electronics Lab	3	-	-	-	-	
			Pract. VIII: Electronic Communication Lab	3	-	-	-	-	
			Elective – I	6	3	25	75	100	4
	IV		**Skill based subject – III**						
			Internet and Java Programming	3	3	20	55	75	3
VI	III		Paper XI : 8051 Microcontroller and Embedded Systems	5	3	20	75	100	4
			Pract. VI: Microprocessor and Microcontroller Lab	3	3	40	60	100	4
			Pract.VII: Industrial and Power Electronics Lab	3	3	40	60	100	4
			Pract. VIII: Electronic Communication Lab	3	3	40	60	100	4
			Project	6	3	25	75	100	4
			Elective – II	4	3	20	55	75	3
	IV		**Elective - III**	4	3	20	55	75	3
			Skill based subject – IV						
	V		Practical Visual and Java Programming	3	3	30	45	75	3
			Extension Activities @	-	-	50	-	50	2
			Total					3500	140

@ No University Examinations. Only Continuous Internal Assessment (CIA)
# No Continuous Internal Assessment (CIA). Only University Examinations.

List of Elective papers (Colleges can choose any one of the paper as electives)		
Elective – I	A	ASIC Design
	B	Remote Sensing
	C	Mobile Computing
Elective – II	A	Robotics and Automation
	B	Programmable Logic Control
	C	Automotive Electronics
Elective - III	A	Industrial Management
	B	Virtual Instrumentation
	C	Biomedical Instrumentation

M.Com. International Business

BHARATHIAR UNIVERSITY.COIMBATORE-641 046
M.COM. (International Business)
(For the students admitted from the academic year 2017-18 onwards)
SCHEME OF EXAMINATIONS: CBCS Pattern

Study Components	Course Title	Ins. hrs / week	Dur.Hrs	CIA	Marks	Total	Credits
Semester –I							
Global Business Environment		6	3	25	75	100	4
International Marketing Management		6	3	25	75	100	4
Managerial Economics		6	3	25	75	100	4
Financial Accounting		7	3	25	75	100	4
Elective-I:		5	3	25	75	100	4
Semester–II							
International Trade Procedure		5	3	25	75	100	4
Logistics & Supply Chain Management		5	3	25	75	100	4
Foreign Exchange Management		5	3	25	75	100	4
Cost and Management Accounting		5	3	25	75	100	4
Computer Applications: MS Office & Internet - Practical I		6	3	40	60	100	4
Elective-II:		4	3	25	75	100	4
Semester–III							
Business Research Methods		6	3	25	75	100	4
International Financial Management		6	3	25	75	100	4
Export –Import Finance		7	3	25	75	100	4
Customs law and procedure		6	3	25	75	100	4
Industrial Training (Report 40 marks and Viva 10 marks.)		-	-	50	-	50	2
Elective-III:		5	3	25	75	100	4
Semester-IV							
Strategic Management		5	3	25	75	100	4
International Economics		5	3	25	75	100	4
Computer Lab (Tally)		6	3	40	60	100	4
Project Work & Viva-Voce (OR) In lieu of Project work, the following two papers may be opted.		10	-		200 (160 Marks – Project and 40 Marks Viva-Voce)	200	8
1. International Business Relations		4	3	(25)	(75)	(100)	(4)
2. Industrial Law		4	3	(25)	(75)	(100)	(4)
Elective-IV :		4	3	25	75	100	4
TOTAL						**2250**	**90**

M.Sc. Mathematics

BHARATHIAR UNIVERSITY, COIMBATORE.
M. Sc. MATHEMATICS DEGREE COURSE (AFFILIATED COLLEGES)
(For the candidates admitted from the academic year 2018-19 onwards)
SCHEME OF EXAMINATIONS – CBCS PATTERN

Sem.	Study Components	Course title	Ins. hrs/week	Dur.Hrs.	CIA	Marks	Total Marks	Credit
I	Paper I	Algebra	7	3	25	75	100	4
	Paper II	Real Analysis	7	3	25	75	100	4
	Paper III	Ordinary Differential Equations	6	3	25	75	100	4
	Paper IV	Numerical Methods	6	3	25	75	100	4
	Elect. Paper 1		4	3	25	75	100	4
II	Paper V	Complex Analysis	6	3	25	75	100	4
	Paper VI	Partial Differential Equations	7	3	25	75	100	4
	Paper VII	Mechanics	7	3	25	75	100	4
	Paper VIII	Operations Research	6	3	25	75	100	4
	Elect. Paper 2		4	3	25	75	100	4
III	Paper IX	Topology	7	3	25	75	100	4
	Paper X	Fluid Dynamics	7	3	25	75	100	4
	Paper XI	Mathematical Statistics	6	3	25	75	100	4
	Paper XII	Graph Theory	6	3	25	75	100	4
	Elect. Paper 3		4	3	25	75	100	4
IV	Paper XIII	Functional Analysis	7	3	25	75	100	4
	Paper XIV	Mathematical Methods	7	3	25	75	100	4
	Paper XV Computer Programming (C++ Theory)		4	3	25	75	100	4
	Practical Computer Programming (C++ Practical)		2	3	40	60	100	4
	Paper XVI	Number Theory	6	3	25	75	100	4
	Elect. Paper 4		4	3	25	75	100	4
	Project						150*	6
		Total					2250	90

* For Project report – 120 marks, Viva-voce – 30 marks.
The number of students for conducting Project Viva-voce is 10 per session. If the number of the remaining students exceeds 5 then the Viva-voce for them can be conducted in the next session.

LIST OF ELECTIVES

1 .Magnetohydro Dynamics	4.Fuzzy Logic and Fuzzy Sets	7.Stochastic Differential Equations
2. Control Theory	5.Cryptography	8. MATLAB
3. Differential Geometry	6.Neural Networks	9. LaTex

Note : The syllabi for all the papers for the students joining in the academic year 2018-19 are given below. The syllabi for all the papers, **except Paper XI–Mathematical Statistics,**

M.Sc. Computer Science

BHARATHIAR UNIVERSITY, COIMBATORE.

M. Sc. COMPUTER SCIENCE *(Affiliated Colleges)*
(Effective for the candidates admitted from the academic Year 2018-2019)

SCHEME OF EXAMINATIONS – CBCS PATTERN

Sem.	Study Components	Course title	Ins. hrs/ week	Dur.	CIA	Mark	Total Mark	Credit
	Semester I							
	Paper I Analysis & Design of Algorithms		5	3	25	75	100	4
	Paper II Object Oriented Analysis and Design & C++		5	3	25	75	100	4
	Paper III Advanced Networks		5	3	25	75	100	4
	Paper IV Advanced Software Engineering		5	3	25	75	100	4
	Practical I Algorithm and OOPS Lab		5	3	40	60	100	4
	Practical II Software Testing Lab		5	3	40	60	100	4
II	Paper V Data Mining and Warehousing		4	3	25	75	100	4
	Paper VI Advanced Operating Systems		4	3	25	75	100	4
	Paper VII Advanced Java Programming		4	3	25	75	100	4
	Paper VIII Artificial Intelligence & Expert Systems		4	3	25	75	100	4
	Elective – I		4	3	25	75	100	4
	Practical III Advanced Java Programming Lab		5	3	40	60	100	4
	Practical IV Data Mining using R		5	3	40	60	100	4
III	Paper IX Digital Image Processing		4	3	25	75	100	4
	Paper X Python Programming		4	3	25	75	100	4
	Paper XI Network Security and Cryptography		4	3	25	75	100	4
	Paper XII Business Intelligence		4	3	25	75	100	4
	Elective – II		4	3	25	75	100	4
	Practical V Python Programming Lab		5	3	40	60	100	4
	Practical VI Digital Image processing using matlab		5	3	40	60	100	4
IV	Project work and Viva voce						250*	10
	Total						2250	90

* Project report - 200 marks; Viva-voce – 50 marks

ELECTIVE – L	ELECTIVE – II
1.1. Multimedia and its Applications	2.1. Mobile Computing
1.2. Embedded Systems	2.2.Cloud computing
1.3. PHP Programming	2.3.Web Services

M.Sc. Software Systems

	THIRD YEAR						
V	Paper I Web Designing	4	3	25	75	100	4
	Paper II Client Server Computing	4	3	25	75	100	4
	Paper III Software Engineering	4	3	25	75	100	4
	Paper IV Visual Programming	5	3	25	75	100	4
	Paper V Principles of Compiler Design	5	3	25	75	100	4
	Practical I Web Designing Lab	4	3	40	60	100	3
	Practical II Visual Programming Lab	4	3	40	60	100	3
VI	Paper I Java Programming	4	3	25	75	100	4
	Paper II Python Programming	4	3	25	75	100	4
	Paper III Elective-I	4	3	25	75	100	4
	Paper IV Mobile Computing	5	3	25	75	100	4
	Paper V Object Oriented Analysis and Design	5	3	25	75	100	4
	Practical I Java Programming Lab	4	3	40	60	100	3
	Practical II Python Programming Lab	4	3	40	60	100	3

	FORTH YEAR						
VII	Project Work and Viva Voce - I					200*	13
VIII	Paper I Data Mining and Warehousing	4	3	25	75	100	4
	Paper II Advanced Java Programming	4	3	25	75	100	4
	Paper III Elective – II	4	3	25	75	100	4
	Paper IV Artificial Intelligence and Expert Systems	5	3	25	75	100	4
	Paper V Information Security	5	3	25	75	100	4
	Practical I Data Mining using R	4	3	40	60	100	3
	Practical II Advanced Java Programming Lab	4	3	40	60	100	3

	FIFTH YEAR						
IX	Paper I Principles of Management and Marketing	4	3	25	75	100	4
	Paper II PHP Programming	4	3	25	75	100	4
	Paper III Software Testing	4	3	25	75	100	4
	Paper IV Elective – III	5	3	25	75	100	4
	Paper V Elective – IV	5	3	25	75	100	4
	Practical I PHP Programming Lab	4	3	40	60	100	3
	Practical II Software Testing Lab	4	3	40	60	100	3
X	Project Work and Viva Voce - II					200*	13
	Total					6000	234