

SES COLLEGE SREEKANDAPURAM

(Accredited by NAAC with 'B' Grade) Affiliated to Kannur University



Criterion 1

Curricular Aspects

1.3 Curriculum Enrichment

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during 2020-2021

Sl No.	Supporting Documents
1	Programme / Curriculum/ Syllabus of the courses
2	Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses





Affiliated to Kannur University Accredited by NAAC at 'B' Grade

SREEKANDAPURAM POST, KANNUR DISTRICT, KERALA, PIN:670631 PH: 0460 2230293, 2231145



www.sescollege.ac.in • sescollege.skprm@gmail.com • principal.sescollege@gmail.com

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

KANNUR UNIVERSITY (Abstract)

BA English (Language & Literature) Programme under Choice Based Credit and Semester System – Revised Scheme, Syllabi & Pattern of question papers for Core/Open Courses - Implemented w.e.f 2014 Admission - Orders issued.

ACADEMIC BRANCH

U.O.No.Acad/C3/3951/2014(1)

Dated, Civil Station.P.O, 03-05-2014

Read:1.U.O No.Acad/C2/2232/2014, dated 14.3.2014

2.Minutes of the meeting of the Board of Studies in English (UG) held on 18.03.2014
3.Minutes of the meeting of Faculty of Language & Literature held on 26-3-2014
4. Letter dated 05.04.2014 from the Chairman, Board of Studies in English (UG)

ORDER

1.Revised Regulations for U.G Programmes under Choice Based Credit and Semester System were implemented in the University with effect from 2014 admission, as per paper read (1) above.

2. As per paper read (2) above, the scheme, syllabus and pattern of question papers for core/open courses in B.A English Language & Literature programme were finalized and recommended for implementation by the Board of Studies in English (U.G).

3.As per paper read (3) above, the meeting of Faculty of Language & Literature, held on 26.3.2014 has approved the scheme, syllabus and pattern of question papers for B.A English (Language & Literature) Programme to be implemented with effect from 2014 admission.

4. As per the paper read (4) above, the Chairman, Board of Studies in English (UG) has forwarded the finalized copy of the Scheme , Syllabi & Pattern of question Papers for Core/Open Courses of B.A English (Language & Literature) Programme for implementation with effect from 2014 admission.

5. The Vice-Chancellor, after considering the matter in detail, and in exercise of the powers of the Academic Council, as per Section 11 (1) of Kannur University Act, 1996 and all other enabling provisions read together with, has accorded sanction to implement the revised Scheme, Syllabi & Pattern of question Papers for Core/Open Courses of B.A English(Language & Literature) Programme under Choice Based Credit and Semester System with effect from 2014 admission.

6. Orders are therefore issued implementing the revised Scheme, Syllabi & Pattern of Question Papers for Core/Open Courses of B.A English (Language & Literature) Programme under Choice Based Credit and Semester System with effect from 2014 admission, subject to report to the Academic Council.

7. The implemented Scheme, Syllabi & Pattern of Question Papers are appended.

Sd/-DEPUTY REGISTRAR (ACADEMIC)

For Registrar

The Principals of Affiliated Colleges

Copy to:

The Examination Branch
 The Chairman, Board of Studies in English (UG)
 PS to VC/PA to PVC/PA to Registrar/PA to CE
 DR/AR-I (Academic).
 SF/DF/FC

Forwarded /By Order SECTION OFFICER

For more details log on to www kannur university.ac.in

To:

KANNUR UNIVERSITY



NEW CURRICULUM FOR UG PROGRAMME IN ENGLISH LANGUAGE AND LITERATURE

UNDERGRADUATE BOARD OF STUDIES IN ENGLISH

SYLLABI FOR CORE COURSES IN ENGLISH LANGUAGE AND LITERATURE(2014 ADMISSION ONWARDS)

English Core Courses

General Objectives

English Literature is a product of historical circumstances. There is a complex interaction between literature and its contexts. Literature functions as a critical reflection on people and society in history and on the ways in which people make historical sense of their lives. It is the aim of the course to expand the relation between texts and contexts, and provide a firm foundation for historically contextualized literary study. In the general organization of texts and modules the Board of Studies has been guided by a pragmatic sense of the general requirements of undergraduate studies in English and the kinds of literary traditions, periods and texts that are widely taught and studied in universities and colleges around the world.

Duration: Six semesters of six months each

Scheme:

The Programme comprises of sixteen Cources of which fifteen are Core Cources, including Project and the remaining one is an Elective. In addition, there is an Open Course. The distribution is as follows:
Semester 1: One Core Course, one Complementary Course and three Common Courses
Semester 2: One Core Course, one Complementary Course and three Common Courses
Semester 3:Two Core Courses, one Complementary Course and two Common Courses
Semester4: Two Core Courses, one Complementary Course and two Common Courses
Semester5: Four Core Courses, one Open Course
Semester6: Six Core Courses including an Elective and a Project
Each Course (excluding Open Course and Project) carries 50 marks each (External 40, Internal 10)
Project carries 25 marks (External 20, Internal 5)
Open Course carries 25 marks (External 20, Internal 5)
Total marks for Core, Complementary and Open Courses will be 1000
(Total marks for the entire Programme including Common Courses will be 1500)

1. Table of Core Course

No	Course Code	Title of Course	Hours/Week	Credit	Semester
1	1B01ENG	History of English Language and Literature	6	4	1
2	2B02ENG	Studies in Prose	6	4	2
3	3B03ENG	Linguistics	5	4	3
4	3B04ENG	English in the Internet Era	4	4	3
5	4B05ENG	Studies in Poetry	4	4	4
6	4B06ENG	Literary Criticism	5	5	4
7	5B07ENG	Modern Critical Theory	5	5	5
8	5B08ENG	Drama: Theory and Literature	5	4	5
9	5B09ENG	Studies in Fiction	5	4	5
10	5B10ENG	Women's Writing	5	4	5
11	5B11ENG	Project	3	2	5
12	6B12ENG	Malayalam Literature in Translation	5	4	6
13	6B13ENG	New Literatures in English	5	4	6
14	6B14ENG	Indian Writing in English	5	4	6
15	6B15ENG	Film Studies	5	4	6
16	6B16ENG	Elective 01, 02, 03	5	4	6

2. Table of Electives

No	Course Code	Title of Course	Hours/Week	Credit	Semester
1	6B16(1)ENG	World Literature in Translation	5	4	6
2	6B16(2)ENG	Indian Writing in Translation	5	4	6
3	6B16(3)ENG	Writing for Media	5	4	6
		-			

3. Open Course

No	Course Code	Title of Course	Hours/Week	Credit	Semester
1	5D01(1)ENG	English for Competitive Examination	2	2	5

Distribution of Marks for BA English Language and Literature

	Total (for the entire Programme)	1500	
6.	Open Course	1	1x25=25
5.	Project	1	1x25=25
4.	Total Marks for Core Courses	1 to 10&12 to 16	15x50=750
3.	Total Marks for Complementary Courses	1 to 4	4x50=200
2.	Total Marks for Additional Language Courses	1 to 4 (Languages)	4x50=200
1.	Total Marks for Common Courses	1 to 6 (English)	6x50=300

Total (for the entire Programme)

Internal Assessment (CE)

(20% of the total marks in each Course are for Internal Assessment)

1.	Model Examination	5	marks (50%)
2.	Attendance	2.5	marks (25%)
3.	Assignment/Seminar/Viva (Attendance of each Court	2.5 se n	marks (25%) may be evaluated as follows)
	90% and above	2.5	marks (100%)

	2.5 marks (10070)
85 to 89%	2 marks (80%)
80 to 84%	1.5 marks (60%)
75 to 79%	1 mark (40%)

(No marks for attendance below 75%)

Distribution of Credits for BA English Language and Literature

Semester	Common Courses			Core Courses				Complementary Courses	Open Course	Total
	Eng	glish	II Lang							
1	4	3	4	4				4	-	19
2	4	3	4	4				4	-	19
3		4	4	4	1	4	ļ	4	-	20
4		4	4	2	4	5	5	4	-	21
5		-		5	4	4	4	-	2	19
6		-		2 4 4 4 4 4		-		22		
Total	2	22	16	64		16	2	120		

KANNUR UNIVERSITY

(Abstract)

B.Com Programme -Scheme, Syllabus and Model Question Papers - Core/Complementary/Open Courses under Choice Based Credit Semester System-Implemented with effect from 2014 Admission - Orders issued.

ACADEMIC BRANCH

U.O No. Acad/C1/3544/2014

Dated, Civil Station (PO), 3-05-2014

Read: 1. U.O.No.Acad/C2/2232/2014 dated 14/03/2014

2. Minutes of the meeting of the Board of Studies in Commerce UG held on 23-01-2014

3. Minutes of the meeting of the Faculties of Commerce and Management Studies held on 28-03-2014

4. Letter dated 28-03-2014 from the Chairman, Board of Studies Commerce UG

ORDER

1. The Revised Regulation for Choice based Credit Semester System have been implemented in this University with effect from 2014 admission vide paper read (1) above.

2. As per the paper read (2) above, Board of Studies in Commerce UG finalized the Scheme, Syllabus and Model Question Papers for B.Com Programmes under Choice Based Credit Semester System with effect from 2014 admission.

3.As per the paper read (3) above the meeting of Faculty of Commerce and Management Studies approved the Scheme, Syllabus and Model question papers for B.Com Programme with effect from 2014 admission.

4. The Chairman, Board of Studies in Commerce UG, vide paper (4) read above, has forwarded the Scheme, Syllabus & Model Question Papers for B.Com Programme for implementation with effect from 2014 admission.

5. The Vice Chancellor after considering the matter in detail and in exercise of the powers of Academic Council conferred under section 11 (1) of Kannur University Act 1996 and all other enabling provisions read together with has accorded sanction to implement Scheme, Syllabus and Model Question Papers (Core/Complementary/Open Courses) for B.Com Programme under Choice Based Credit Semester System with effect from 2014 admission subject to report Academic Council.

6. Orders are, therefore, issued accordingly.

7. The Implemented Scheme, Syllabus and Model Question Papers are appended.

Sd/-DEPUTY REGISTRAR (Academic) For REGISTRAR

(PTO)

To,

The Principals of Colleges offering B.Com Programme.

The Examination Branch (through PA to CE)
 PS to VC/PA to /PA to Registrar /
 Chairman BOS Commerce UG
 PA to CE
 DR/AR I Academic
 SF/DF/FC.



Forwarded/ by Order

Section Officer

For more details; log on www.kannur university.ac.in

т	'otol I	Marlza	SCHI 1500 Total Credits 120	EME OF CO	RE COURSES	~ 00 W	orkingU	rs/Som	ostor 150
Sl. No		Sem	Course Title	Type of Course	Mark	Credit	Hrs/ Week	15/Sellin	Hrs/ Semester
			1B01 COM						
1	1		Management Concepts						
		-	&Principles	Core 1	50 (40+10)	2	3		54
-	2	Ι	1B02 COM	~ .		_		11	
2		-	Financial Accounting	Core 2	50 (40+10)	3	4		72
2	3		1C01 COM	C 1	50 (40 - 10)	2			70
3			Bus. Statistics	Comp 1	50 (40+10)	3	4		12
4	1		2B03 COM	Cora 3	50(40+10)	2	3		54
		-	2POA COM	Cole 5	30 (40+10)	Z	5		
5	2		2D04 CON Human Resource						
5	2	II	Management	Core 4	$50(40\pm10)$	2	3	11	54
		-			50 (40110)				54
6	3		Quantitative Tech for						
U	5		Bus. Decision	Comp2	50(40+10)	4	5		90
			3A11 COM	F			-		
7	1		Disaster Management	Comm11	50 (40+10)	4	4		72
		-	3A12 COM						
	2		Numerical Skills for						
8			Business	Comm 12	50 (40+10)	4	4		72
			3C03 COM						
9	3		Basics of Research						
		III	Methodology	Comp 3	50 (40+10)	3	3	25	54
10			3B05 COM					-	
10	4		Advanced Accounting	Core 5	50(40+10)	4	5		90
		-	3B06 COM		50 (10110)		5		70
11	5		Optional I	Core 6	50 (40+10)	3	5		90
		-	3C04 COM				-		
	6		Business Regulatory						
12			Framework	Comp 4	50 (40+10)	3	4		72
	1		4A13 COM	-					
13	1		Entrepreneurship	Comm13	50 (40+10)	4	4		72
	r		4A14 COM						
14	2	IV	Environment Studies	Comm14	50 (40+10)	4	4	25	72
		IV	4B07 COM					43	
	3		Income Tax Law &						
15			Practice I	Core 7	50 (40+10)	4	5		90
	4		4B08 COM	~ -	50 (20 + 20		4		72
16	-	-	Informatics Skills (T+P)	Core 8	+10)	3 (2+1)	(2+2)		(36+36)
17	5		4B09 COM/Optional II	Core 9	50 (40+10)	3	4		72

			4C05 COM						
18	6		Corporate Law &						
			Business Regulation	Comp 5	50 (40+10)	3	4		72
			5B10 COM	1					
10	1		Cost Accounting	Core 10	$50(40\pm10)$	4	5		90
17		-	5B11 COM		50 (40+10)	–	5		70
20	2		Corporate Accounting	Core 11	50 (40+10)	4	5		90
	2	-	5B12 COM						
21	3	V	Auditing	Core 12	50 (40+10)	3	4		72
		v	5B13 COM						
	4		Income Tax Law &					25	
22		-	Practice II	Core 13	50 (40+10)	4	5		90
	5		5B14 COM						
23	Č		Optional III	Core 14	50 (40+10)	3	4		72
	6		5D01 COM	_		_			_
24			Open Course	Open	50 (40+10)	2	2		36
25	1		6B15 COM	Corro 15	50(40+10)	4	5		00
23		-	6R16 COM	Cole 15	30 (40+10)	4	5		90
26	2		International Business	Core 16	50 (40+10)	4	5		90
	-		6B17 COM		20(10110)				70
27	3		Modern Banking	Core 17	50 (40+10)	4	5		90
		VI	6B18 COM					25	
28	4		Financial						
		-	Markets&Services	Core 18	50 (40+10)	3	3		54
29	5		6B19 COM	G 10	50 (40, 40)	2	_		0.0
		-	Optional IV	Core 19	50 (40+10)	3	5		90
30	6		6B20 COM	Drojaat	50(40+10)	2	2		26
			Floject	Floject	30 (40+10)	Z			30
			* Total		1500				
					(1200+300)	* 98			
	No. (of	Tune of Course	Credit					
C	ours	es	Type of Course	Crean					
						Ι	Mark		
	4		Common	16		4x.	50=200		
	5		Complementary	16		5x5	50=250		
19+	-1 Pro	oject	Core (62+2)	64	20x50= 1000				
	1		Open	2		1 X	50 = 50		
			* Total	* 98			1500		
	4		English	14			200		
	2		Additional Language	8			100		
36			Total	120			1800		

KANNUR UNIVERSITY (Abstract)

BSc Chemistry / Polymer Chemistry/Bio Chemistry - Revised Scheme & Syllabi of Core, Complementary and Open Courses under Choice Based Credit Semester System for Under Graduate Programme - implemented with effect from 2014 admission - Orders Issued.

ACADEMIC BRANCH							
No. Acad/C2/190/2014 Dated, Civil Station P.O, 28- 05-2014							
Read: 1.U.O No. Acad/C2	2/2232/2014 dated 14-03-2014						
2. Minutes of the me	eting of the Board of Studies in Chemistry (UG) held						

3. Minutes of the meeting of the Faculty of Science held on 25-03-2014

4. Letter dated 29-03-2014 from the Chairman, BOS in Chemistry (UG).

ORDER

1. The Revised Regulations for UG Programmes under Choice based Credit Semester System were implemented in this University with effect from 2014 admission as per paper read (1) above.

2. As per paper read (2) above the Board of Studies in Chemistry finalized the Scheme, Syllabi & model Question Papers for Core, Complementary & open courses of BSc Chemistry/Polymer Chemistry/Bio Chemistry programmes to be implemented with effect from 2014 admission..

3. As per read (3) above the Faculty of Science held on 25-03-2014 approved Scheme, syllabi & model question papers for core/complementary & open courses of BSc Chemistry/Polymer Chemistry/Bio Chemistry programmes to be implemented with effect from 2014 admission.

4. The Chairman, Board of Studies in Chemistry (UG) vide paper read (4) above has submitted the finalized copy of Scheme, syllabi & Model question papers for core/complementary and open courses of BSc Chemistry/Polymer Chemistry/ Bio Chemistry programmes for implementation with effect from 2014 admission.

5. The Vice Chancellor, after examining the matter in detail, and in exercise of the powers of the Academic Council as per section 11(1) of Kannur University Act 1996 and all other enabling provisions read together with, has accorded sanction to implement the Revised scheme, syllabi& model question papers of BSc Chemistry/Polymer Chemistry/Bio Chemistry Programmes with effect from 2014 admission.

6. Orders, are therefore issued implementing the revised scheme, syllabi & model question papers for core, complementary& open courses of BSc Chemistry/Polymer Chemistry/Bio Chemistry programmes under CBCSS with effect from 2014 admission subject to report to Academic Council

7. Implemented revised Syllabi are appended.

SD/-DEPUTY REGISTRAR (ACADEMIC)

FOR REGISTRAR

Contd.....2

То

- 1. The Principals of Affiliated Colleges offering B.Sc Chemistry/ Polymer Chemistry/ Bio Chemistry Programmes
- 2. The Examination Branch (through PA to CE)

Copy To:

- 1. The Chairman, BOS Chemistry (UG)
- 2. PS to VC/PA to PVC/PA to Registrar
- 3. DR/AR I Academic
- 4. Central Library
- 5. SF/DF/FC.

Approved/By Order

Section Officer

* For more details log on to www.kannur university.ac.in



KANNUR UNIVERSITY

COURSE STRUCTURE

&

SYLLABUS

FOR

UNDERGRADUATE PROGRAMME

IN

CHEMISTRY

CORE & COMPLEMENTARY

COURSES

CHOICE BASED CREDIT SEMESTER SYSTEM

w.e.f 2014 ADMISSION

Curriculum

Introduction

The B Sc degree programme in Chemistry aims to provide the students with an indepth understanding of Chemical Sciences. The syllabus has been designed to stimulate the interest of the students in Chemistry and to equip them with a potential to contribute to the academic and industrial requirements of the society. The new updated syllabus is based on an interdisciplinary approach and is infused with a new vigour and depth. Chemistry being an experimental science, due importance is given to the development of laboratory and instrumentation skills.

The main objective is to provide to the students a deep understanding of the basic concepts of chemical sciences by acquiring the knowledge of terms, facts, concepts, processes, techniques and principles of the subject. It attempts to equip the students to cater to the industrial needs and to utilise them in the utmost practical manner.

The syllabus has been prepared after discussions with a number of faculty members in the subject and also after evaluating the existing syllabi of BSc, the new syllabi of XI & XII standards, the UGC model curriculum and syllabi of other Universities. The reference materials have been recommended after a thorough study. The revised course pattern, distribution of credits, scheme of evaluation and syllabus approved by the board are given below.

BSc Chemistry Programme

The BSc programme in Chemistry is offered in six semesters within a period of three academic years. The programme shall include four types of courses, viz.,

- Common course -English & Additional language (Code A)
- Core course(Code B)
- Complementary course(Code C)
- Open course(Code D)

The Common and Complementary courses will be conducted during semester I to IV and the Core courses from semester I to VI. Open course will be during V semester.

COURSE STRUCTURE FOR CHEMISTRY (UG) PROGRAMME

					Marks		
No.	Title of the Course	Hours /week	Credit	IA	ESE	Total	
1	Common Course I English I	5	4	10	40	50	
2	Common Course 2 English II		3	10	40	50	
3	Common Course - Additional Language Course I	4	4	10	40	50	
4	Core Course 1 (Theoretical & Inorganic Chemistry)	2	2	10	40	50	
5	Core Course 2, Practical I	2	-	-	-	-	
6	Complementary 1 (Course I)	2	2	8	32	40	
7	Complementary 1 Practical	2	-	-	-	-	
8	Complementary 2 (Course I)	4	3	10	40	50	
	Total	25	18	58	232	290	

2014 ADMISSION

SEMESTER 2

No.	Title of the Course		Credit	Marks		
		/week		IA	ESE	Total
1	Common Course 3 English III	5	4	10	40	50
2	Common Course 4 English IV	4	3	10	40	50
3	Common Course - Additional Language Course II		4	10	40	50
4	Core Course 3 (Analytical Chemistry)		2	10	40	50
5	Core Course 2, Practical I, Part II	2	3	10	40	50
6	Complementary 1 (Course II)	2	2	8	32	40
7	Complementary 1(Course II) Practical		-	-	-	-
8	Complementary 2 (Course II)		3	10	40	50
	Total	25	21	68	272	340

SEMESTER 3

No	Title of the Course	Hours	Credit	Marks			
110.	The of the course		orcan	IA	ESE	Total	
1	Common Course 5 English V	5	4	10	40	50	
2	Common Course - Additional Language Course III	5	4	10	40	50	
3	Core Course 4 (Organic Chemistry-I)	3	3	10	40	50	
4	Core Course 5, Practical 2,Part I	2	-	-	-	-	
5	Complementary 1 (Course III)	3	2	8	32	40	
6	Complementary 1 (Course III) Practical		-	-	-	-	
7	Complementary 2 (Course III)		3	10	40	50	
	Total	25	16	48	192	240	

SEMESTER 4

No	Title of the Course	Hours	Crodit	Marks		
110.	The of the Course	/week	creat	IA	ESE	Total
1	Common Course 6 English VI	5	4	10	40	50
2	Common Course - Additional Language Course IV	5	4	10	40	50
3	Core Course 6 (Organic Chemistry -II)	3	3	10	40	50
4	Core Course 5, Practical 2,Part II		3	10	40	50
5	Complementary 1 (Course IV)	3	2	8	32	40
6	Complementary 1 (Course IV) Practical	2	4	8	32	40
7	Complementary 2 (Course IV)		3	10	40	50
	Total	25	23	66	264	330

SEMESTER 5

No.	Title of the Course		Credit	Marks		
		/week		IA	ESE	Total
1	Open Course	2	2	5	20	25
2	Core Course 7 (Inorganic Chemistry -I)	3	4	10	40	50
3	Core Course 8 (Inorganic Chemistry-II)	3	4	10	40	50
4	Core Course 9 (Physical Chemistry-I)		4	10	40	50
5	Core Course 10 (Physical Chemistry-II)	3	4	10	40	50
7	Core Course 11, Practical 3	5	-	-	-	-
8	Core Course 12, Practical 4		-	-	-	-
9	Core Course 13 Project/Industrial Visit		-	-	-	-
	Total	25	18	45	180	225

SEMESTER 6

No	Title of the Course	Hours	Crodit		Marks		
190.	The of the Course	/week	creuit	IA	ESE	Total	
1	Core Course 14 (Organic Chemistry-III)	4	4	10	40	50	
2	Core Course 15 (Physical Chemistry-III)	3	3	10	40	50	
3	Core Course 16 (Physical methods In Chemistry)	3	3	10	40	50	
4	Core Course 17(Elective)	3	3	10	40	50	
5	Core Course 18, Practical 5	3	3	10	40	50	
		7	6	10+	40+	50+	
6	Core Course 11& 12 Practical 3& 4	/	0	10	40	50	
7	Core Course 13 Project Industrial Visit	2	2	4	16+ 5	25	
	Total	25	24	74	301	375	

Total Credit

120

Total Marks

1800

Scheme of Mark distribution - B Sc Chemistry Programme

Course	No.of Papers	Marks	Total Marks
		per paper	
Common Course-English	6	50	300
Common Course-Addl.language	4	50	200
Complimentary Course-Physics	5(4 Theory	40	200
	+1Practical)		
Complimentary Course-	4	50	200
Mathematics			
Core Course-Chemistry	17(12Theory	50	850
	+5Practicals)		
Project	1	25	25
Open Course	1	25	25

Credit distribution - B Sc Chemistry programme (Semester I to VI)

Programme	Sem.	Com	mon*	Core	Complementary		Open	Total
		Eng	Addl.	Chemistry	Maths	Physics		
	Ι	4+3	4	2	3	2		18
BSc	Π	4+3	4	2+3	3	2		21
(Chemistry)	III	4	4	3	3	2		16
	IV	4	4	3+3	3	2+4		23
	V			4+4+4+4			2	18
	VI			4+3+3+3+3+3+3+2				24
	Total	22	16	56	12	12	2	120

Components of Core (Chemistry)

The core courses of BSc Chemisty programme will consists of the following components.

- > Theory
- > Practical
- Project (Investigatory)
 Study tour (Visiting Factory/ science institute/laboratory).

Scheme of Core course (Chemistry)

No.	Semester	Course	Title of the Course	Credits	Contact
		code			hr/week
1	Ι	1B01CHE	Theoretical and Inorganic	2	2
			Chemistry		
2	Π	2B03CHE	Analytical Chemistry	2	2
3	П	1B02CHE	*Core Course Practical I	3	2—I Sem
		&	Volumetric Analysis		2—II Sem
		2B02CHE			
4	III	3B04CHE	Organic Chemistry-I	3	3
5	IV	4B06CHE	Organic Chemistry-II	3	3
6	IV	3B05CHE	*Core Course Practicals 2	3	2—III Sem
		&	Inorganic Qualitative		2—IV Sem
		4B05CHE	Analysis		
7	V	5B07CHE	Inorganic Chemistry-I	4	3
-	* 7	5000 CHE			
8	V	5B08CHE	Inorganic Chemistry-II	4	3
9	V	5B09CHE	Physical Chemistry- I	4	3
10	V	5B10CHE	Physical Chemistry- II	4	3
11	VI	6B14CHE	Organic Chemistry III	4	4
12	VI	6B15CHE	Physical Chemistry III	3	4
13	VI	6B16CHE	Physical Methods in	3	3
			Chemistry		
14	VI	6B17CHE	Elective	3	3
15	VI	5B11CHE	*Core Course Practicals 3	3	5—V Sem
		6B11CHE	Gravimetric Analysis		
					2—VI Sem
16	VI	5B12CHE	*Core Course Practicals 4	3	5V Sem
					3VI Sem
		6B12CHE	Organic Chemistry		
17	VI	6B18CHE	*Core Course Practicals5	3	5
			Physical Chemistry		ļ
18	VI	5B13CHE	Project & Industrial Visit	2	1—SemV
		6B13CHE			1Sem VI

* External examination will be held at the end of II/ IV/VI semester

No	Seme	Course code	Title of the course	Contact	Credit
	ster			hour/	
				Week	
1	VI	6B17CHE-A	Environmental Chemistry	3	3
2	VI	6B17CHE-B	Applied Chemistry	3	3
3	VI	6B17CHE-C	Polymer Chemistry	3	3
4	VI	6B17CHE-D	NanoChemistry	3	3

Scheme for Core Elective Course

Scheme--- Complementary Course (Chemistry)

No	Semester	Course code	Title of the course	Contact hour/ week	Credit
1	Ι	1C01CHE	Chemistry (For Physical & Biological Sciences)	2	2
2	Π	2C02CHE	Chemistry (For Physical & Biological Sciences)	2	2
3	III	3C03CHE(BS)	Chemistry (For Biological Science)	3	2
4	III	3C03CHE(PS)	Chemistry (For Physical Science)	3	2
5	IV	4C04CHE(BS)	Chemistry (For Biological Science)	3	2
6	IV	4C04CHE(PS)	Chemistry (For Physical Science)	3	2
5	I,II, III&IV	4C05CHE*	Complementary Chemistry practical	2	4

* External examination will be conducted at the end of IV semester.

Scheme of Open course

The open course is meant for all the students in the institution except the students of BSc Chemistry programme. External examination will be conducted at the end of Vth semester.

No	Semester	Course	Title of the course	Contact	Credit
		code		hour/	
				week	
1	V	5D01CHE	Chemistry in Service to man	2	2
2	V	5D02CHE	Drugs-Use & Abuse	2	2
3	V	5D03CHE	Environmental Studies	2	2
4	V	5D04CHE	Nanomaterials	2	2

Options available for Open course (Chemistry)

Evaluation pattern

Mark system will be followed instead of direct grading for each question. For each course in the semester letter grade, grade point and % of marks are introduced in 7-point indirect grading system as per KUCBCSSUG 2014. Accordingly 20% of the total marks in each course are for internal evaluation and the remaining 80% for external evaluation.

Internal Evaluation (Core, Complementary & Open)

Components with percentage of marks of Internal Evaluation of Theory

- Attendance-25%
- Test papers-50%
- Assignment/ Seminar/Viva-25%

Internal evaluation is conducted by the concerned Department in mark system. Marks secured for internal evaluation need be send to University.

External Evaluation (Core, Complementary & Open)

External assessment will include Theory, Practical and Project evaluation conducted by University after the completion of a semester. Duration of theory examination for Core & Complementary courses will be 3 hours, where as for Open course is 2 hours. The practical examination for Core & Complementary will be of 4 hour duration.

Project work:

Project works will be carried out in fifth and sixth semesters. Not more than five students can form a group and undertake a project. Each individual student should submit a copy of the project report duly attested by the supervising teacher and Head of the department. The report has to be presented at the time of practical examination conducted at the end of VI semester for evaluation.

Study tour:

Students are required to visit a factory/Laboratory/Research Institute of repute during the course and have to submit the report of the study tour at the end of the sixth semester during the time of practical examination. No credit will be separately given for study tour report.

Practical record, Project report & Study tour report must be certified by the teacher in charge and countersigned by the Head of the Department. Students should submit certified record of respective practical work at the time of University practical examination.

Mark distributions

Table 1: Internal and External marks for Core (Chemistry) courses:

Item	Mar	Total	
	Internal External		
Theory	10	40	50
Practical	10	40	50
Industrial		5	5
visit			
Project	4	16	20

Table 2: Internal and External marks for Complementary (Chemistry)

Item	Mar	Total	
	Internal	External	
Theory	8	32	40
Practical	8	32	40

Table 3: Internal and External marks for Open Course (Chemistry)

Item	Mar	Total	
	Internal External		
Theory	5	20	25

Table 4: Distribution of Internal marks for Theory courses (Core, Complementary & Open).

Attendance	25%
Assignment /Seminar/Viva	25%
*Test paper	50 %

* At least two test papers are to be conducted and average of these two is to be taken for awarding mark.

Table 5: Distribution of Internal marks for Practical courses

Attendance	25%
Record + Lab involvement*	50%
Test papers	25%

*On completion of each experiment, a report should be presented to the course teacher. It should be recorded in a bound note-book. The experimental description should include aim, principle, materials/apparatus required/used, method/procedures, and tables of data collected, equations, calculations, graphs, and other diagrams etc. as necessary and final results.

Table 6: Distribution of internal and external marks for Project

Internal (20% of Total)	%	External (80 % of total)	%
Punctuality	20 %	Relevance of	20%
		Topic/Statement of	
		Objectives and	
		Methodology	
Use of data	20%	Presentation/Quality of	30 %
		analysis and findings	
Scheme and Organization of	30%	Viva Voce	50%
report			
Viva Voce	30 %		

Criteria for awarding marks for Attendance:

.

Table 7: Distribution of marks for attendance

Attendance %	Marks%
Above 90%	100%
85 to 89%	80%
80 to 84%	60%
76 to 79%	40%
75%	20%

Grading of students

Internal marks alone need to be sent to the University. External examination will be conducted and assessed by the University using mark system. The semester wise performance called SGPA(Semester Grade Point Average) and overall performance on completion of the programme called CGPA (Cumulative Grade Point Average) of a student will be made by the University by taking the marks of internal and external assessments using a 7 Point Indirect Grading System as per KUCBCSSUG 2014. Finally an overall letter grade (called Cumulative Grade) for the entire programme will be awarded by the University. For the detailed calculations of SGPA, CGPA & Overall letter grade readers are directed to refer KUCBCSSUG 2014.

Table	8:	Seven	Point	Indirect	Grading	System.
1 4010	••	Deven	1 Onn	mancet	Oraums	b ystem.

Marks	Grade	Interpretation	Grade	Range of	Class
			point	grade	
			average		
90 and above	A+	Outstanding	6	5.5 - 6	First class
					with
80 to 89	Α	Excellent	5	4.5 - 5.49	distinction
70 to 79	В	Very good	4	3.5 - 4.49	First class
60 to 69	С	Good	3	2.5 - 3.49	
50-59	D	Satisfactory	2	1.5 - 2.49	Second class
40-49	E	Adequate	1	0.5 - 1.49	Pass
Below 40	F	Failure	0	0.0 - 0.49	Fail

Distribution of Marks & type of questions for Core (Chemistry), **Complementary** (Chemistry) **& Open** (Chemistry) **courses**.

Table 9.	Type of	questions	&	Marks	for	External	Examinatio	on -	Core	Chemist	ry
	21										~

	Total Questions	No. Of	Mark for each	Total
		Questions to be	Marks for each	Marks
		answered	Question	
Very short	4	4	1	4
answer				
Short answer	10	7	2	14
Short	6	4	3	12
essay/Problems				
Essay	4	2	5	10
	24	17		40

Question papers in Physical Chemistry course should contain numerical problems

for 20% of the total marks.

Table 10. Type of Questions & Marks for External Examination- Complementary Chemistry

	Total Questions	No. Of	Mark for each	Total
		Questions to be	Question	Marks
		answered		
Very short	5	5	1	5
answer				
Short answer	6	4	2	8
Short	5	3	3	9
essay/Problems				
Essay	4	2	5	10
	20	14		32

	Total Questions	No. Of	Mark for each	Total
		Questions to be	Marks for each	Marks
		answered	Question	
Very short	5	5	1	5
answer				
Short answer	5	3	2	6
Short	5	3	3	9
essay/Problems				
Total	15	11		20

Table 11. Type of Questions & Marks for External Examination - Open Course

Distribution of marks for the practical examination:

The distribution of marks will be decided by the concerned Board of Examinations.

ANNEXURE I

Guidelines for the Evaluation of Projects

- 1. Evaluation of the Project Report shall be done under Mark System.
- 2. The evaluation of the project will be done at two stages:
 - a) Internal Assessment (supervising teachers will assess the project and award internal Marks)
 - b) External evaluation (external examiner appointed by the University)
 - c) Marks secured for the project will be awarded to candidates, combining the internal and external Marks

3. The internal to external components is to be taken in the ratio 1:4. Assessment of different components may be taken as below.

Internal(20% of total)		External(80% of Total)	
Components % of internal Marks		Components	%of external Marks
Punctuality	20	Relevance of the Topic, Statement of Objectives, Methodology	20
Use of Data	20	(Reference/ Bibliography) Presentation, Quality of Analysis/Use of Statistical tools, Findings and recommendations	30
Scheme/Organization of Report	30	Viva-Voce	50
Viva-Voce	30		

- 4. Internal Assessment should be completed 2 weeks before the last working day of VIth semester.
- 5. Internal Assessment marks should be published in the department.
- 8. Project evaluation shall be done in the VI semester along with practical exams.
- 9. Chairman Board of Examinations, may at his discretion, on urgent requirements, make certain exception in the guidelines for the smooth conduct of the evaluation of project.

2. PASS CONDITIONS-

- 1. Submission of the Project Report and presence of the student for viva are compulsory for internal evaluation. No marks shall be awarded to a candidate if she/he fails to submit the Project Report for external evaluation.
- 2. The student should get a minimum of 40 % marks for pass in the project.
- 3. In an instance of inability of obtaining a minimum of 40% marks, the project work may be re- done and the report may be re-submitted along with subsequent exams through parent department.



(Abstract)

B.Sc Mathematics Programme - Revised syllabus and model question paper under Choice Based Credit Semester System - Implemented w.e.f 2017 admissions - Orders Issued.

ACADEMIC C SECTION

No. Acad/C2/ 4762 /2014

Dated, Civil Station P.O, 23-05-2017

Read: 1. U.O of Even No. dated 12.05.2014

2. Minutes of the meeting of the BOS in Mathematics (UG) held on 20.12.2016.

3. Email from the Chairman, BOS in Mathematics (UG) dated 22.05.2017

<u>ORDER</u>

1. As per paper read (1) above, the scheme syllabus and pattern of question papers for core, complementary and open courses in B.Sc. Mathematics programme were implemented in the university w.e.f 2014 admission.

2. The meeting of the BOS in Mathematics (UG) held on 20.12.2016 vide paper read (2) above has recommended to incorporate certain modifications in the core papers 1B01MAT, 2B02MAT, 3B03MAT, 4B04MAT, 5B09MAT of B.Sc. Mathematics programme to be implemented w.e.f 2017 admissions.

3. The Chairman, Board of Studies in Mathematics (UG) vide paper read (3) above has submitted the revised syllabus of the core papers 1B01MAT, 2B02MAT, 3B03MAT, 4B04MAT, 5B09MAT of B.Sc. Mathematics programme to be implemented w.e.f 2017 admissions.

4. The Vice Chancellor, after examining the matter in detail, and in exercise of the powers of the Academic Council as per section 11(1) of Kannur University Act 1996 and all other enabling provisions read together with, has accorded sanction to implement with effect from 2017 admission, the revised syllabus of B.Sc. Mathematics programme incorporating the changes as recommended by the Board of Studies in Mathematics(UG), subject to report to the Academic Council.

5. The modified pages of syllabus and model question papers are appended for reference.

6. U.O as per the paper read (1) above, stands modified to this extent.

7. Orders, are therefore issued accordingly.

Sd/-JOINT REGISTRAR (ACADEMIC) FOR REGISTRAR

То

1. The Principals of the Affiliated Colleges offering B.Sc Mathematics course.

Copy To:

1. The Chairman, BOS in Mathematics (UG)

2. PS to VC/PA to PVC/PA to Registrar/PA to CE

3. JR/AR I Academic

4. SF/DF/FC.

Forwarded/By Order

CIVIL STATION KANNUR

that

Section Officer

,ŕ

For more details; log on www.kannuruniversity.ac.in

KANNUR UNIVERSITY (Abstract)

BSc Physics Programme - Revised Scheme, Syllabus & Model Question Papers of Core, Complementary and Open Courses under Choice Based Credit Semester System for Under Graduate Programme - implemented with effect from 2014 admission - Orders Issued.

and the second s	ACADEMIC BRANCH
No. Acad/C2/986/2014	Dillea, Chill Station P.O., 26-05-2014
Read: 1.U.O No	Acad/C2/2232/2014 dated 14-03-2014
2. Minutes of	f the meeting of the Board of Studies in Physics (UG) held

on 01-01-2014

3. Minutes of the meeting of the Faculty of Science held 25-03-2014

4. Letter dated 23-01-2014 from the Chairman, BOS in Physics (UG)

ORDER

1. The Revised Regulations for UG Programme under Choice based Credit Semester System were implemented in this University with effect from 2014 admission as per paper read (1) above.

2. As per paper read (2) above the Board of Studies in Physics (UG) finalized the Scheme, Syllabus & model Question Papers for Core, Complementary & open courses of BSc Physics programme to be implemented with effect from 2014 admission.

3. As per read (3) above the Faculty of Science held on 25-03-2014 approved Scheme, syllabus & model question papers for core/complementary & open courses of BSc Physics programme to be implemented with effect from 2014 admission.

4. The Chairman, Board of Studies in Physics (UG)) vide paper read (4) above has submitted the finalized copy of Scheme, syllabus & Model question papers for core/complementary and open courses of BSc Physics programme for implementation with effect from 2014 admission.

5. The Vice Chancellor, after examining the matter in detail, and in exercise of the powers of the Academic Council as per section 11(1) of Kannur University Act 1996 and all other enabling provisions read together with, has accorded sanction to implement the revised scheme, syllabus& model question papers of BSc Physics Programme with effect from 2014 admission.

6. Orders, are therefore issued implementing the revised scheme, syllabus & model question papers for core, complementary& open courses of BSc Physics programme under CBCSS with effect from 2014 admission subject to report to Academic Council

7. Implemented revised Syllabus is appended.

Sd/-DEPUTY REGISTRAR (ACADEMIC) FOR REGISTRAR

To



·暗

KANNUR UNIVERSITY

SCHEME & SYLLABUS OF

UG (PHYSICS)

Based on Kannur University regulations: KUCBCSSUG 2014

(Kannur University Choice Based Credit Semester System for Under Graduate system 2014)

BSc Core (Physics), Complementary (Physics) & Open (Physics) courses

(With effect from 2014 admissions)



Contents

- ***** Curriculum of BSc (Physics) Programme
- Scheme of Core (Physics), Complementary (Physics) & Open(Physics) courses
- Assessment pattern of Core(Physics), Complementary(Physics) & Open(Physics) courses
- Pattern of theory external examination Question papers –
 Core (Physics), Complementary (Physics), & Open (Physics) courses.
- * Syllabi of
 - Core(Physics),
 - Complementary(Physics) &
 - Open(Physics) courses
- Model question papers of Core (Physics), Complementary (Physics),
 & Open (Physics) courses

Curriculum of BSc (Physics) Programme

Scope: By doing the BSc (Physics) programme students are aimed at developing interest in physics in order to continue further in the field of physics or to attain the necessary physics and allied background which an employer needs.

The BSc (Physics) programme curriculum consists of:

- Common (English) courses &Common (Additional language-Optional) courses
- Core (Physics) courses
- Complementary I (Maths) & Complementary II (Optional) courses
- Open (Optional) course

For the definitions of the terms mentioned above readers are requested to refer the UG regulations-2014 of Kannur University (KUCBCSSUG-2014) available at the website www.kannuruniversity.ac.in.

The Common (English), Common (Addl. language) & Complementary courses will be conducted during semester I to IV. The Core courses will span from semester I to VI. Open course will be during V semester alone.

Credit & Mark distribution of BSc (Physics) Programme

Total credits for the BSc (Physics) programme will be 120 & total marks: 1800 distributed through six semesters with the following details.

Table 1: Distribution of Credits & Marks for the BSc (Physics) programme.

Item	Credits	Marks
Common course (English)	22	300
Common(Addl. language) Optional	16	200
Complementary I(Maths)	12	200
Complementary II(Optional)	12	200
Core(Physics) courses	56	875
Open(Optional) course	2	25
Total	120	1800

Table 2: Semester wise Credit & Mark distribution of BSc (Physics) programme:

Sem.	Com	mon	Core Physics	Complementary		Open	Total	Total
	Eng	Addl.		Maths	Compl.II		Credits	Marks
Ι	4+3	4	3	3	2		19	290
II	4+3	4	3	3	2		19	290
III	4	4	3	3	2		16	240
IV	4	4	3+4	3	2+4		24	330
V			3+3+3+3+3			2	17	275
VI			3+3+3+3+3+4+4+2				25	375
Total	22	16	56	12	12	2	120	1800

Table 2(a):

SEMESTER I								
S	Title of the course	Hrs/w	Cred	Marks				
No.		eek	its	IA**	ESE***	Tota		
						1		
1	Common course (English) I	5	4	10	40	50		
2	Common course (English) II	4	3	10	40	50		
3	Common course(Addl. language) VII	4	4	10	40	50		
4	Core course (Theory-1B01PHY)	2	3	10	40	50		
5	Core course (Practical I-4B05PHY)*	2	-	-	-	-		
6	Complementary (I) Theory I (Maths)	4	3	10	40	50		
7	Complementary (II) Theory I	2	2	8	32	40		
8	Complementary (II) Practical I *	2	-	-	-	-		
	Total	25	19	58	232	290		

*External examination at the end of fourth semester **Internal assessment ; *** End Semester Examination (external assessment)

m 11		n /1 \	
Tahl	ρí	21h	۱.
1 a01	. U	2(U)	

S	SEMESTER II							
No	Title of the course	Hrs/	Cre	Marks				
		week	dits	IA	ESE	Total		
1	Common course (English) III	5	4	10	40	50		
2	Common course (English) IV	4	3	10	40	50		
3	Common course(Addl. language) VIII	4	4	10	40	50		
4	Core course (Theory-2B02PHY)	2	3	10	40	50		
5	Core course (Practical I-4B05PHY)*	2	-	I	-	-		
6	Complementary (I) Theory II(Maths)	4	3	10	40	50		
7	Complementary (II) Theory II	2	2	8	32	40		
8	Complementary (II) Practical *	2	-	_	-	-		
	Total	25	19	58	232	290		

*External examination at the end of fourth semester Table 2(c):

SEMESTER III							
S	Title of the course	Hrs/w	Credit		Marks		
No.		eek	S	IA	ESE	Total	
1	Common course (English) V	5	4	10	40	50	
2	Common course(Addl. language) IX	5	4	10	40	50	
3	Core course (Theory-3B03PHY)	3	3	10	40	50	
4	Core course (Practical I-4B05PHY)*	2	-	I	-	-	
5	Complementary (I) Theory III(Maths)	5	3	10	40	50	
6	Complementary (II) Theory III	3	2	8	32	40	
7	Complementary (II) Practical *	2	-	-	-	-	
	Total	25	16	48	192	240	

*External examination at the end of fourth semester
Table 2(d):

SEMESTER IV							
S	Title of the course	Hrs/w	Credit		Marks		
No.		eek	S	IA	ESE	Total	
1	Common course (English) VI	5	4	10	40	50	
2	Common course(Addl. language) X	5	4	10	40	50	
3 Core course (Theory-4B04PHY)			3	10	40	50	
4	Core course (Practical I -4B05PHY)	2	4	10	40	50	
5	Complementary (I) Theory IV(Maths)	5	3	10	40	50	
6	Complementary (II) Theory IV	3	2	8	32	40	
7	Complementary (II) Practical	2	4	8	32	40	
	Total	25	24	66	264	330	

Table 2(e):

	SEMESTER V						
S	Title of the course	Hrs/	Cre		Mark	S	
Ν		week	dits	IA	ESE	Total	
0.							
1	Open course	2	2	5	20	25	
2	Core course (Theory-5B06PHY)	3	3	10	40	50	
3	Core course (Theory-5B07PHY)	3	3	10	40	50	
4	Core course (Theory-5B08PHY)	3	3	10	40	50	
5	Core course (Theory-5B09PHY)	3	3	10	40	50	
6	Core course (Theory-5B10PHY)	3	3	10	40	50	
7	Core course (Practical II -6B16PHY)!	4	-	-	-	-	
8	Core course (Practical III -6B17PHY)!	4	-	-	-	-	
	Total	25	17	55	220	275	

! External examination at the end of sixth semester

Table 2(f):

SEMESTER VI						
S	Title of the course	Hrs/w	Cre	Marks		
No.		eek	dits	IA	ESE	Total
1	Core course (Theory -6B11PHY	3	3	10	40	50
2	Core course (Theory-6B12PHY)	3	3	10	40	50
3	Core course (Theory-6B13PHY)	3	3	10	40	50
4	Core course (Theory-6B14PHY)	3	3	10	40	50
5	Core course (Theory-6B15PHY) -	3	3	10	40	50
	Elective					
6	Core course (Practical II-6B16PHY)	4	4	10	40	50
7	Core course (Practical III-6B17PHY)	4	4	10	40	50
8	Project (6B18PHY)	2	2	5	20	25
9	Study tour (6B19PHY)	-	-	-		-
	Total	25	25	75	300	375

Components of Core (Physics)

The core courses of BSc (Physics) programme will consists of the following components.

- ➤ Theory
- > Practical
- Project (Investigatory)
- Study tour (Visiting science institute/laboratory).

Objectives of theory, Practical, Project & Study tour

- **Theory courses**: The design of the theory syllabus is to lay the foundations of physics by learning the history, concepts involved, its language (mathematics), problem solving, and theoretical/experimental developments in various branches of Physics.
- **Practical courses**: To verify the theory they have learned using the laboratory, to develop skill(ability to handle apparatus) there by making them confident to handle delicate instruments, to perform precise measurements in future, data analysis by drawing graph, error analysis, computer based skill & to realize limitation of experimental measurements. In other words it aims at the needs that an employer expects from a physics graduate/ to prepare them for scientific research.
- **Project**: To develop investigation aptitude in Physics/Life. Selection of the topic for the project must be based on the physics (theory/experimental) they have learned through Semesters I to IV. The topic may be theoretical, experimental or a combination of both. Besides familiarisation of books/journals, familiarisation of software such as Mathematica, Matlab, Origin, Grapher, Latex etc. are also expected. It also aims at promoting scientific report writing practice*
- **Study tour**: Visiting of a science institute is aimed to get an awareness/idea of the set up/working/research occurring in institutes/laboratory.

Components of complementary physics will include theory and practical; Open course will have theory only.

*A commonly accepted form of an investigatory project report in science/physics will include:

(1) An introductory section containing a brief historical development of theory/experimental back ground, objectives and relevance of the present investigation.

- (2) The present work &
- (3) Discussion of results he/she has obtained, conclusion & bibliography.

Scheme of Core (Physics), Complementary (Physics) & Open (Physics)

The distribution of various courses, course code, credits, marks & contact hours (known as scheme) for core physics, complementary physics, and open physics will be as follows.

(i) Scheme of Core (Physics)

For Core (Physics), total credits: 56 & total marks: 875

Table 3.Scheme: BSc (Physics)-Core

S	Sem	Course code	Title of Course	Cre Hrs/w			Marks	!
No	ester			dits	eek	IA	ESE	total
1	Ι	1B01PHY	Physics primers	3	2	10	40	50
2	II	2B02PHY	Electronics-I	3	2	10	40	50
3	III	3B03PHY	Allied Physics	3	3	10	40	50
4	IV	4B04PHY	Optics	3	3	10	40	50
5	I,II, III, IV	4B05PHY *	Practical 1	4	2	10	40	50
6	V	5B06PHY	Electrodynamics-I	3	3	10	40	50
7	V	5B07PHY	Thermal Physics	3	3	10	40	50
8	V	5B08PHY	Classical Mechanics & Relativity	3	3	10	40	50
9	V	5B09PHY	Python programming	3	3	10	40	50
10	V	5B10PHY	Atomic, Nuclear and Particle Physics	3	3	10	40	50
11	VI	6B11PHY	Electrodynamics- II	3	3	10	40	50
12	VI	6B12PHY	Photonics&Spectroscopy	3	3	10	40	50
13	VI	6B13PHY	Quantum mechanics	3	3	10	40	50
14	VI	6B14PHY	Electronics-II	3	3	10	40	50
15	VI	6B15PHY **	Elective	3	3	10	40	50
16	V,VI	6B16PHY ***	Practical II	4	4	10	40	50
17	V,VI	6B17PHY ***	Practical III	4	4	10	40	50
18	VI	6B18PHY ***	Project	2	2	5	20	25
19	V or VI	6B19PHY!!	Study tour	-	-	-	-	-

* External examination (ESE) will be held at the end of IV semester

** Options available are listed in Table 3(a): 6B15PHY (Elective)

*** External examination (ESE) will be held at the end of VI semester

! For detailed distribution of marks, see the section: Assessment pattern

!! Audit course: Course for which no credits are awarded.

Table-3(a) Options available for elective course (6B15PHY) :

S No	Title of the course
1	A. Plasma Physics.
2	B.Astronomy & Astrophysics
3	C. Atmospheric Physics
4	D. Nanoscience
5	E. Material Science
6	F.Computational Physics

(ii) Scheme of Complementary Physics courses

Table-4 Scheme of Complementary (Physics) courses:

Complementary (Physics) courses are expected to provide physics back ground for students of other BSc programmes. Total credits: 12 & total marks: 200, distributed as per the table given below.

S No	Semes	Course	Title of the course	Hrs/	Cre	N	larks*	
	ter	code		week	dits	IA	ESE	total
1	Ι	1C01PHY	Complementary	2	2	8	32	40
			Physics I					
			(Mechanics)					
2	II	2C02PHY	Complementary	2	2	8	32	40
			Physics II					
			(Electricity,					
			Magnetism and					
			Thermal Physics)					
3	III	3C03PHY	Complementary	3	2	8	32	40
			Physics III					
			(Optics and					
			Photonics)					
4	IV	4C04PHY	Complementary	3	2	8	32	40
			Physics IV					
			(Modern Physics					
			and Electronics)					
5	I,II,III	4C05PHY	Complementary	2	4	8	32	40
	&IV	**	Physics practical					

*For detailed distribution of marks, see the section: Assessment pattern ** External examination will be conducted at the end of IV semester.

(iii) Scheme of Open course-Physics

The open course is meant for all the students in the institution except the students of BSc (Physics) programme. Motivation behind open course is that integration of concepts/theories/techniques from two or more disciplines will enable to advance understanding / solve problems whose solutions are beyond the scope of a single discipline. External examination will be conducted at the end of V semester. Total credits: 2; Total marks: 25.

Table 5: Scheme of Open course-Physics:

S No	Sem ester	Course code	Title of the course	Hrs/we ek	Cre dits	Marks*		*
						IA	ESE	total
1	V	5D01PHY	Open course **	2	2	5	20	25

* For detailed distribution of marks, see the section: Assessment pattern

**Table 5(a): Options available for Open course (Physics)

S No	Title of the course
1	A. Environmental Physics
2	B. Joy of star watching
3	C. Disaster Management
4	D. Biophysics

Assessment pattern

A general pattern of assessment as per KUCBCSSUG 2014 will be followed. Accordingly 20% of the total marks will be reserved for internal assessment (IA) and the remaining 80% through external examination (ESE). It is applicable for Core, Complementary and Open courses as well.

Internal assessment (Core (physics), Complementary (physics) & Open (physics)): Internal assessment will include

- Regularity in attending the classes (Attendance)
- Test papers
- Assignment
- Seminar
- Viva

Internal assessment is continuous throughout the semester and to be conducted by the concerned Department in mark system.

Objectives of Attendance/Test paper/Assignment/Seminar/Viva:

- Attendance: To develop punctuality in students.
- **Test paper**: To assess the hard work/understanding of the subject and thereby to induce students the need for hard work in life.....
- Assignments: The objectives of assignment in general are to increase the knowledge/ to promote the abilities and skills of the students/ to extend what they know in to new situations/to develop the traits for developing physics/ to reinforce what students have already learned/ to prepare them for forthcoming complex lessons....
- **Seminar**: During a seminar assigned readings are discussed, questions raised and debates conducted in order to promote the interaction aspects of life...
- **Viva voce**: It is a measure of student's understanding of a subject/their ability to verbally explain the subject to others. (During viva voce a student may be made to face a group of teachers rather than a single teacher as far as possible)...

Topics for Assignment /Seminar/Viva

Students must be encouraged to familiarise with as much books/Journals/e-journals/internet resources as possible through assignment /seminar/viva. Topics for assignment/Seminar/viva for internal assessment may be given so as to induce them the various traits demanded by the term "Education". It must include topics such as **disaster management**, **drug abuse**, **alcoholism**, **de addiction centres**, **messages for abstention drug**, besides the subject area in order to remind their social commitments/prevention of social evils.

The total number of test papers/assignment/seminar/viva that may be conducted during a semester is decided by the concerned department depending on the time available/ student's capacity.

External assessment (Core (physics), Complementary (physics), &Open (physics)):

External assessment will include Theory, Practical & Project evaluation conducted by University after the completion of a semester called end semester examination (ESE). Duration of theory examination for Core (Physics) & Complementary (physics) courses will be 3 hours, where as for Open (physics) course is 2 hours. The practical examination for Core (Physics) & Complementary (physics) will be of 3 hour duration. Evaluation of the project will be made along with practical examination of core(Physics).

<u>Practical log book</u>: of students must be submitted to the external examiners during their University practical examination.

<u>Project report & Study tour report</u>: Students have to submit their project report & report of the study tour along with practical examination. No credit will be given for study tour report.

Practical log book, Project report & Study tour report must be certified by the teacher in charge and countersigned by the Head of the Department.

Table 6: Distribution of internal marks for Theory courses (Core, Complementary & Open).

Attendance	25%
*Assignment /Seminar/Viva	25%
**Test paper	50 %

* A minimum of one general assignment and one physics assignment are to be conducted and average mark is to be taken.

** At least two test papers are to be conducted and average of these two is to be taken for awarding marks.

 Table 7: Distribution of internal marks for Practical courses (Core & Complementary)

Attendance	25%
* Record + **Lab involvement	50%
Test papers	25%

*A student is required to maintain a log book of their practical works which must include a brief theory of the each experiment, observations, tabulation, calculation, graph, result etc., regularly signed by the teacher in charge. Fair record is not required.

**Students may be asked to write a brief report (brief theory, formula, diagram/ circuit diagram, model graph) of each experiment before they enter in to the laboratory. Students must be encouraged to draw a sketch of the apparatus/instruments before they start doing the experiment for better familiarisation.

Table 8: Distribution of internal and external marks for Project

Internal (20% of total)	%	External (80 % of total)	%
Punctuality	20 %	Relevance of	20%
		topic/statement of	
		objectives and	
		Methodology	
Use of data	20%	Presentation/Quality of	30 %
		analysis and findings	
Scheme and organization of	30%	Viva voce	50%
report			
Viva voce	30 %		

Criteria for awarding marks for Attendance:

Table 9: Distribution of marks for attendance

Attendance %	Marks%
Above 90%	100%
85 to 89%	80%
80 to 84%	60%
76 to 79%	40%
75%	20%

Grading of students

Internal marks alone need to be sent to the University. External examination will be conducted and assessed by the University using mark system. The semester wise performance called SGPA(Semester Grade Point Average) and overall performance on completion of the programme called CGPA (Cumulative Grade Point Average) of a student will be made by the University by taking the marks of internal and external assessments using a 7 Point Indirect Grading System (table 10) as per KUCBCSSUG 2014. Finally an overall letter grade (called Cumulative Grade) for the entire programme will be awarded by the University. For the detailed calculations of SGPA, CGPA & Overall letter grade readers are directed to refer KUCBCSSUG 2014.

% Marks	Grade	Interpretation	Grade	Range of	Class
			point	grade	
			average		
90 and above	A+	Outstanding	6	5.5 - 6	First class
					with
80 to 89	А	Excellent	5	4.5 - 5.49	distinction
70 to 79	В	Very good	4	3.5 - 4.49	First class
60 to 69	С	Good	3	2.5 - 3.49	
50-59	D	Satisfactory	2	1.5 - 2.49	Second class
40-49	E	Adequate	1	0.5 - 1.49	Pass
Below 40	F	Failure	0	0.0 - 0.49	Fail

Table 10: Seven Point Indirect Grading System.

.

Distribution of Marks & type of questions for Core (Physics), Complementary (Physics) & Open (Physics) courses.

Table 11. Type of questions & Marks for external examination (theory) - Core Physics

Type of questions	No. of	No. of questions	Marks for each	Marks
	questions	to be answered	question	
Very short answer	4	4	1	4
Short answer	10	7	2	14
Short	6	4	3	12
essay/Problems				
Long essay	4	2	5	10
Total	24	17		40

Distribution of marks & appointment of examiners for the external practical examination (Core Physics):

The distribution of marks for the external practical examination of core (Physics) will be decided by the concerned Board of examinations. There will be two examiners for the external practical and project examination.

Table 12. Type of Questions & Marks for external examination (theory) - Complementary Physics:

Type of questions	No. of	No. of questions	Mark for each	Marks
	questions	to be answered	question	
Very short answer	5	5	1	5
Short answer	6	4	2	8
Short	5	3	3	9
essay/Problems				
Long essay	4	2	5	10
Total	20	14		32

Distribution of marks & appointment of examiners for the external practical examination (Complementary Physics):

Distribution of marks for the external practical examination of complementary physics will be decided by the concerned Board of Examinations. There will be two examiners for the external practical examination.

Table 13. Type of Questions & marks for external examination (theory) - Open course (Physics):

Type of questions	Total	No. of questions	Marks for each	Marks
	questions	to be answered	question	
Very short answer	5	5	1	5
Short answer	5	3	2	6
Short	5	3	3	9
essay/Problems				
Total	15	11		20

KANNUR UNIVERSITY

(Abstract)

Bachelor of Business Administration(Travel & Tourism Management) (BBA/BBA-TTM) Programme -Scheme, Syllabi and Model Question Papers - Core/Complementary/Open Courses under Choice Based Credit Semester System-Implemented with effect from 2014 Admission - Orders issued.

ACADEMIC BRANCH

U.O No. Acad/C1/2881/2014

Dated, Civil Station (PO), 3-05-2014

Read: 1. U.O.No.Acad/C2/2232/2014 dated 14/03/2014

- 2. Minutes of the meeting of the Board of Studies in Management Studies (Cd) held on 24-03-2014
 - 3. Minutes of the meeting of the Faculties of Commerce and Management Studies held on 28-03-2014
 - 4. Letter dated 7-04-2014 from the Chairman, Board of Studies in Management Studies (Cd)

ORDER

1. The Revised Regulations for Choice based Credit Semester System have been implemented in this University with effect from 2014 admission vide paper read (1) above.

2. As per the paper read (2) above, Board of Studies in Management Studies (Cd) finalized the Scheme, Syllabi and Model Question Papers of BBA/BBA-TTM Programmes under Choice Based Credit Semester System with effect from 2014 admission.

3.As per the paper read (3) above the meeting of Faculty of Commerce and Management Studies approved the Scheme, Syllabi and model question papers for BBA/BBA(TTM) w.e.f.2014 admission.

4.As per the paper read (4) above, the Chairman, Board of Studies in Management Studies (Cd) vide paper read (4) above, has forwarded the Scheme, Syllabi and Model Question Papers for BBA/ BBA (TTM) Programmes for implementation with effect from 2014 admission.

5. The Vice Chancellor after considering the matter in detail and in exercise of the powers of Academic Council conferred under section 11 (1) of Kannur University Act 1996 and all other enabling provisions read together with has accorded sanction to implement Scheme, Syllabus and Model Question Papers (Core/Complementary/Open Courses) for BBA/BBA(TTM) under Choice Based Credit Semester System with effect from 2014 admission subject to report Academic Council.

6. Orders are, therefore, issued accordingly.

7. The Implemented Scheme, Syllabi and Model Question Papers are appended.

Sd/-DEPUTY REGISTRAR (Academic) For REGISTRAR

10.1

To

The Principals of Colleges offering BBA/BBA(TTM) Courses.

(PTO)

1. The Examination Branch (through PA to CE)

scheme, Syffels and Modal Guernan Papers - ConstComplementary/Open Courses males Choice Based

- * 2. PS to VC/PA to /PA to Registrar /
- 3. Chairman BOS Management Studies (Cd)
- 4. PA to CE

5. DR/AR I Academic

6. SF/DF/FC.

Forwarded/ by Order

Section Officer

For more details; log on www.kannur university.ac.in

4.4s par the paper read (4) above, the Chamman, Bourn of Studies in Numeronent Studies (Co) vide paper read (4) above, has forwarded the Science, Syllabi and Model Question Papers for Black BBA (TTM) Programmer for idiglementation with offers from 2014 admission.

Science, Sydobi and Model Coeffice Papers of GBA/BBA-T124 Programmer under Choice Trend Clade

5 The Vice Chancelor after manifering the militar in debit and in exercise of the powers of sendemic Collecti conferred under section IT (1) of Kannar University Act 1996 and all other analying previations read together with has recorded attribute to implement Solvene, Syllabus and Model Question Pagess (Coll Complement on Open Courses) for EBA (BBA(TTM)) under Choice Based Ordit. Semerator



SCHEME AND SYLLABI OF BACHELOR OF BUSINESS ADMINISTRATION (BBA)

UNDER CBCSS PATTERN (KUCBCSSUG 2014)

KANNUR UNIVERSITY SCHEME AND SYLLABI OF BACHELOR OF BUSINESS ADMINISTRATION UNDER KUCBCSSUG 2014

The Regulation of UG Programme (KUCBCSS UG 2014) is available in the university website. Following are the additional information with regard to BBA Programme under Choice Based Credit Semester System to be implemented in the academic session 2014-15.

- 1. **Title of the programme:** This DEGREE shall be called BACHELOR OF BUSINESS ADMINISTRATION.
- 2. Eligibility for admission: Admission shall be made from the Candidates who have passed the Plus Two or equivalent examination with 45% for non commerce subject (not applicable to SC/ST Students) and pass mark for Commerce subject. A weightage of 25 marks be given for each Commerce subject studied by the Candidate in the qualifying examination subject to a maximum of 75 marks.
- 3. **Duration of the programme:** The duration of the BBA programme of study is three academic years with six semesters.

	6.0 The	total credits	Number	Credits
		English	4 courses	14
1	Common	Additional	2 courses	8
1	Courses	Language	2 courses	0
		General	4 courses	16
2	Complementary Courses		5 courses	15
3	Open Courses		1 course	2
		Courses	19 courses	62
4	Coro Coursos	Industrial visit and report	1 course	1
	Core Courses	Placement Training & Project report	1 course	2
	Total	•	37	120

4. **Medium of Instruction:** The medium of instruction and examination shall be English.

SI. No	Course Code	Type of course	Course Title	Semester	Hours/ Week	Credits	Marks
1	1A01ENG	Common I	English I	I	5	4	
2	1A02 ENG	Common II	English II	I	4	3	
3	1A07	Common III	Additional Language I	I	5	4	
4	2A03ENG	Common IV	EnglishIII	11	5	4	
5	2A04ENG	Common V	EnglishIV	11	4	3	
6	2A08	Common VI	Additional Language II	П	5	4	

Table of Common Courses (English and Additional Language) for BBA

Table of Common Courses (General Courses) for BBA Programmes

SI. No	Course Code	Type of course	Course Title	Semester	Hours/ Week	Credits	Marks
							E – 30
							P - 10
1							I - 10
1	3A11 COM/BBA	Common XI	IT in Business	111	5	4	T – 50
							E - 40
							I - 10
2	3A12 COM/BBA	Common XII	Numerical Skills	III	4	4	T - 50
							E - 40
3	4A13COM/BBA	Common XIII	Entrepreneursnip Development	IV	5	4	I - 10
			& Project Management				T - 50
			Dusing as Ethics & Comparate				E - 40
4	4A14 COM/BBA	Common XIV	Business Etnics & Corporate	IV	4	4	I - 10
1			Social Responsibility				T - 50

E: External P: Practical I : Internal T : Total

Table of Complementary Courses for BBA Programmes

Sl. No	Course Code	Type of course	Course Title	Semester	Hours/ Wee k	Credits	Marks
							E - 40
1	1C01 BBA	Complementary I	Business Statistics	I	5	3	I - 10 T - 50
							E - 40
2	1C02 BBA	Complementary II	Business Economics	I	3	3	I - 10 T - 50
3	2C03 BBA	Complementary III	Quantitative Techniques for Business Decisions	II	5	3	E - 40 I - 10 T - 50
4	3C04 BBA	Complementary IV	Legal Aspects of Business	111	5	3	E - 40 I - 10 T - 50
5	4C05 BBA	Complementary V	Business Research Methods	IV	4	3	E - 40 I - 10 T - 50

SI. No	Course Code	Type of course	Course Title	Semester	Hours/ Week	Credits	Marks
1	5D01 BBA	Open I	Basic Accounting/Financial System and Services/Disaster Management	V	2	2	E - 40 I - 10 T - 50

Table of Open Courses for BBA Programmes

Table of Core Courses for BBA Programmes

Sl. No	Course Code	Type of course	Course Title	Semester	Hours/ Week	Credit s	Marks
							E - 40
		~ .	Principles & Practice of				I - 10
1	1B01BBA	Core I	Management	I	3	3	T - 50
							E - 40
2	2B02 BB A	Core II			3	3	I - 10 T 50
2	2D02DDA	Cole II	Business Environment	11	3	3	I - 50 E 40
							E - 40 I 10
3	2B03BBA	Core III	Business Communication	п	3	3	T - 10 T - 50
		0010111	Dusiness communication		0	0	E - 40
							I - 10
4	3B04BBA	Core IV	Financial Accounting	Ш	5	4	T - 50
							E - 40
							I - 10
5	3B05BBA	Core V	Operations Management	III	4	3	T - 50
6	3B06BBA	Core VI	Managerial Skill Development	Ш	2	1	I - 25
-			Course (MSDC)				T - 25
							E - 40
7		Coro VII		N /	4	2	I - 10 T 50
1	4D07 DDA	Cole VII	Marketing Management	IV	4	3	I - 50 E 40
							E - 40 I 10
8	4B08 BBA	Core VIII	Corporate Accounting	IV/	5	3	T - 10 T - 50
-	1D00DD11	Core v III		10	5	5	E - 40
							I - 10
9	4B09BBA	Core IX	Financial Management	IV	4	3	T - 50
			Industrial Visit and Report (Study				I - 25
10	4B10BBA	Core X	Tour)	IV		1	Т-25
							E - 40
					_		I - 10
11	5B11BBA	Core XI	Cost Accounting	V	5	4	T - 50
							E - 40
10	5D10DD 4				5	4	I - 10
12	JR17RRY	Core XII	Human Resource Management	V	3	4	T - 50
							上 - 40 エ 10
13	5B13BBA	Core XIII	Banking Theory Law & Practice	V	4	3	T - 10 T - 50
13	5B13BBA	Core XIII	Banking Theory, Law & Practice	V	4	3	T - 50

							E - 40
14	5B14BBA	Core XIV	Organisational Behaviour	V	5	4	1 - 10 T - 50
			X				E - 40
15	5B15BBA	Core XV	Retail Management	V	4	3	I - 10 T - 50
							E - 40
16	6B16BBA	Core XVI	Strategic Management	VI	5	4	I - 10 T - 50
		C					E - 40
17	6B17BBA	XVII	Capital Market & Investment Management	VI	5	4	I - 10 T - 50
		G					E - 40
18	6B18BBA	XVIII	International Business	VI	4	3	I - 10 T - 50
10		Care VIV	E t Man a new ant				E - 40
19	OBI9BBA	Core XIX	Event Management	VI	4	3	I - 10 T - 50
							E - 40
20	6B20BBA	Core XX	Management Accounting	VI	5	4	I - 10 T - 50
							E - 40
21	6D 21 DD A	Coro XXI	Placement Training & Project	N/I	3	2	I - 10
21	UDZIDDA	COLEVAN	Report	VI	3	2	T - 50

TotalMarksDistribution

1.	English	200
2.	Additional	100
	Languages	
3.	Common Course	200
4.	Open Course	50
5.	Core Course	1000
6.	Complementary	250
	Total	1800

Semester I								
Sl. No.	Course Code	Type of course	Course Title	Hours/ Week	Hours/ Sem	Credits	Exam Duration	
1	1A01ENG	CommonI	English I	5	90	4	3	
2	1A02 ENG	Common II	English II	4	72	3	3	
3	1A07	Common III	Additional Language I	5	90	4	3	
4	1B01 BBA	Core I	Principles & Practice of Managem ent	3	54	3	3	
5	1C01 BBA	Complementary I	Business Statistics	5	90	3	3	
5	1C02 BBA	Complementary II	Business Economics	3	54	3	3	
		Total	Semester II	25	450			
				Hound	Hound		Evom	
Sl. No	Course Code	Type of course	Course Title	Week	Sem	Credits	Duration	
Sl. No	Course Code 2A03ENG	Type of course Common IV	Course Title English III	Week	Sem 90	Credits 4	Duration 3	
Sl. No 1 2	Course Code 2A03ENG 2A04ENG	Type of course Common IV Common V	Course Title English III English IV	Hours/ Week 5 4	90 72	Credits 4 3	Duration 3 3	
Sl. No 1 2 3	Course Code 2A03ENG 2A04ENG 2A08	Type of course Common IV Common V Common VI	Course Title English III English IV Additional Language II	Hours/ Week 5 4 5	Hours/ Sem 90 72 90	Credits 4 3 4	Duration 3 3 3 3	
Sl. No 1 2 3 4	Course Code 2A03ENG 2A04ENG 2A08 2B02BBA	Type of course Common IV Common V Common VI Core II	Course Title English III English IV Additional Language II Business Environment	Hours/ Week 5 4 5 3	Hours/ Sem 90 72 90 54	Credits 4 3 4 3	Exam Duration 3 3 3 3 3 3 3	
Sl. No 1 2 3 4 5	Course Code 2A03ENG 2A04ENG 2A08 2B02BBA 2B03BBA	Type of course Common IV Common V Common VI Core II Core III	Course Title English III English IV Additional Language II Business Environment Business Communication	Hours/ Week 5 4 5 3 3	Hours/ Sem 90 72 90 54 54	Credits 4 3 4 3 3 3 3 3	Duration 3 3 3 3 3 3 3 3 3 3	
Sl. No 1 2 3 4 5 6	Course Code 2A03ENG 2A04ENG 2A08 2B02 BBA 2B03 BBA 2C03 BBA	Type of course Common IV Common V Common VI Core II Core III Core III Core III	Course Title English III English IV Additional Language II Business Environment Business Communication Quantitative Techniques for Business Decisions	Hours/ Week 5 4 5 3 3 5	Hours/ Sem 90 72 90 54 54 90	Credits 4 3 4 3 3 3 3	Exam Duration 3 3 3 3 3 3 3 3 3 3	

STRUCTURE OF BBA DEGREE PROGRAMME

Semester III								
Sl. No	Course Code	Type of course	Course Title	Hours/ Week	Hours / Sem	Credits	Exam	Duration
1	3A11/ COM/	Common VI		Theory	3	54	3	3
1	BBA	Common XI		Practical	2	36	1	
2	3A12/ COM/	Common XII	Numerical Skills	4	72	4		3
3	3B04BBA	Core IV	Financial Accounting	5	90	4		3
4	3B05 BBA	Core V	Operations Management	4	72	3		3
5	3B06 BBA	Core VI	Managerial skill Development Course (MSDC)	2	36	1		
6	3C04 BBA	Complementary IV	Legal Aspects of Business	5	90	3		3
			Total	25	450	19		

			Semester IV						
Sl. No	Course Code	Type of course	Course Title	Hours/ Week	Hours/ Sem	Credits	Exam Duration		
1	4A13COM/BBA		Entrepreneurship						
1		Common XIII	Development &						
			Project						
			Management	4	72	4	3		
			Business Ethics						
2	4A14COM/BBA	Common XIV	and CSR	4	72	4	3		
			Marketing						
3	4B07 BBA	Core VII	Management	4	72	3	3		
			Corporate						
4	4B08 BBA	Core VIII	Accounting	5	90	3	3		
			Financial						
5	4B09 BBA	Core IX	Management	4	72	3	3		
			Industrial Visit &						
			Report(Study						
6	4B10BBA	Core X	Tour)			1			
			Business						
		Complementary	Research						
7	4C05 BBA	V	Methods	4	72	3	3		
	Total 25 450 21								

Semester	v	
Semester	v	

Sl. No	Course Code	Type of course	Course Title	Hours/ Week	Hours/ Sem	Credits	Exam Duration
1	5B11BBA	Core XI	Cost Accounting	5	90	4	3
2	5B12BBA	Core XII	Human Resource Management	5	90	4	3
3	5B13BBA	Core XIII	Banking Theory Law & Practice	4	72	3	3
4	5B14BBA	Core XIV	Organisational Behaviour	5	90	4	3
5	5B15BBA	Core XV	Retail Management	4	72	3	3
6	5D01 BBA	Open I		2	36	2	2
		7	Fotal 2	5	450	20	

Semester VI

Sl. No	Course Code	Type of course	Course Title	Hours/ Week	Hours / Sem	Credits	Exam Duration
1	6B16BBA	Core XVI	Strategic Management	4	72	4	3
2	6B17 BBA	Core XVII	Capital Market & Investment Management	5	90	4	3
3	6B18BBA	Core XVIII	International Business	4	72	3	3
4	6B19BBA	Core XIX	Event Management	4	72	3	3
5	6B20BBA	Core XX	Management Accounting	5	90	4	3
6	6B21 BBA	Core XXI	Placement Training & Project Report	3	54	2	
		Т	otal	25	450	20	

- 5. **Open Courses:** BBA Students shall take one open courses (2Credits) offered by other departments in the V semester.
- 6. Managerial Skill Development Course (MSDC): The course on Management Development is intended for developing the current/latest business knowledge, understanding of the economic situation of the nation and soft skills/employability skills of the BBA students. This course shall be handled by a teacher having genuine interest and latest knowledge in current business, economic survey and union budget. The course shall be conducted in such a way that the above knowledge areas will be covered using various methodologies such as presentations, group discussions, assignments quiz competitions etc. that will enhance the soft/employability skills. The maximum marks for the course shall be 25. The evaluation of the course will be done internally on the basis of a written examination for 20 marks and presentations, assignment and attendance for 5 marks.
- 7. **Industrial Visit & Project Report:** Every student shall prepare and submit a Report based on industrial visits during the IV Semester under the guidance of a faculty member one month before the end of the semester. Evaluation shall be done internally. The maximum marks for the course shall be 25.

8. Placement Training & Project Report

During the sixth semester the candidate shall do a research project on a business/ management topic.

Maximum four students as group can take up a topic and the students in consultation and with the consent of the assigned guide may identify a topic and do research on that topic. To have more academic freedom and flexibility, the project should not be attached to any organization.

The candidates together shall prepare and submit a project report to the Department. The report shall be printed and spiral bound with not less than 50 A4 size pages. The project report should be submitted to the Head of the Department on the last working day of the sixth semester. 7

Project work shall have the following stages

- □ Project proposal presentation
- □ Field work and data analysis
- □ Report writing
- □ Draft project report presentation
- □ Final project report submission

The candidate shall prepare at least two copies of the report: one copy for submission to the Department and one copy for the student which he/she has to bring with him/her at the time of viva voce. More copies may be prepared if the guide or both asks for one copy.

Structure of the report

Title page

Certificate from guide countersigned by HOD Acknowledgements Contents

Chapter I: Introduction (Organization profile, Research problem, objectives of the study, Research methodology etc.) Chapter II: Review of literature

Chapters III: and IV: Data Analysis (2 or 3 chapters) Chapter V: Summary, Findings and Recommendations. Appendix (Questionnaire, specimen copies of forms, other exhibits etc.) Bibliography (books, journal articles etc. used for the project work).

Evaluation of project report

The project report shall have internal and external evaluations:

Maximum 50 marks shall be awarded by internal panel of teachers. Out of the internal 50 marks 30 marks shall be given on the basis of the draft report presentation and 20 marks be given for the participation and contribution of the student in various stages of project. Maximum 50 marks shall be awarded by external examiners. Out of the external 50 marks,

25 marks shall be given for the project report evaluation and 25 marks shall be given for the performance in viva voce examination.

9. **Requirement for passing the course:** For passing the BBA degree program the student shall be required to achieve a minimum of 120 credits of which 38 credits shall be from common courses, 65 credits from core courses, 15 credits from complementary courses and 2 credits from open courses.

KANNUR UNIVERSITY (Abstract)

BCA- Revised Scheme & Syllabus of Core and Open Courses under Choice Based Credit Semester System for Under Graduate Programme - implemented with effect from 2014 admission - Orders Issued.

ACADEM	AIC BRANCH
No. Acad/C2/7857/2014 (II)	Dated, Civil Station P.O. 04 - 07-2014
Read: 1.U.O No. Acad/C2/2232/20	14 dated 14-03-2014

2. Minutes of the meeting of the Board of Studies in Computer Science (UG) held on 27-01-2014

3. Minutes of the meeting of the Faculty of Technology held 01-04-2014

4. Letter dated 24.06.2014 from the Chairman, BOS in Computer Science (UG)

ORDER

1. The Revised Regulations for UG Programme under Choice based Credit & Semester System were implemented in this University with effect from 2014 admission as per paper read (1) above.

2. As per paper read (2) above the Board of Studies in Computer Science(UG) finalized the Scheme, Syllabus & model Question Papers for Core & open courses of BCA programme to be implemented with effect from 2014 admission.

3. As per read (3) above the Faculty of Technology (UG) held on 01.04.2014 approved Scheme, syllabus & model question papers for core & open courses of BCA programme to be implemented with effect from 2014 admission.

4. The Chairman, Board of Studies in Computer Sience (UG) vide paper read (4) above has submitted the finalized copy of Scheme, syllabus & Model question papers for core and open courses of BCA programme for implementation with effect from 2014 admission.

5. The Vice Chancellor, after examining the matter in detail, and in exercise of the powers of the Academic Council as per section 11(1) of Kannur University Act 1996 and all other enabling provisions read together with, has accorded sanction to implement the revised scheme, syllabus& model question papers of BCA Programme with effect from 2014 admission.

6. Orders, are therefore issued implementing the revised scheme, syllabus & model question papers for core & open courses of BCA programme under CBCSS with effect from 2014 admission subject to report to Academic Council

7. Implemented revised Syllabus is appended.

Sd/-REGISTRAR

To

1. The Principals of Affiliated Colleges offering BCA Programme 2. The Examination Branch (through PA to CE)

Contd

Copy To:

4

Postin N

- 1. The Chairman, BOS Computer Science (UG) 2. PS to VC/PA to PVC/PA to Registrar
- 3. DR/AR I Academic
- 4. Central Library
- 5. SF/DF/FC.



Forwarded/By Order

Section Officer

•

* For more details log on to www.kannur university.ac.in

de

and a second frequency of the second second second second

Lateral and a

and the second sec

KANNUR UNIVERSITY



COURSE STRUCTURE AND SYLLABUS for UNDERGRADUATE PROGRAMME

In

COMPUTER APPLICATION

CORE & OPEN COURSES

Under CHOICE BASED CREDIT AND SEMESTER SYSTEM w. e. f. 2014 ADMISSION

General Guidelines, Curricula, Syllabus and Scheme of examinations for BCA Programme w.e.f 2014 admission onwards

BCA, an undergraduate programme under the Faculty of Technology of Kannur University, consists of Computer Application as core subject with one complementary subject (Mathematics). The duration of the programme is six semesters distributed over a period of three years. A semester consists of 90 working days including examination days distributed over a minimum of 18 weeks of five working days each.

COURSES

The number of courses required to complete the programme shall be 40. 'Course' means a segment of subject matter to be covered in a semester (traditionally referred to as paper). The courses include Common Courses including General Course, Complementary Course, Core Course and Open Course. The break-up of the courses is as follows:

Course Type	Total Numbers
Common courses (English + Additional language)	06
Common courses (General)	04
Complementary	04
Core	25
Open Course	01
Total	40

BCA - Course Structure

Semester –I

No.	Title of the Course		s/Week	Credit	Marks
		Theory	Practical		
1	Common course English I	5		4	50
2	Common course English II	4		3	50
3	Common course Additional Language I	5		4	50
4	Complementary I - Mathematics I	4		3	50
5	Common course - Informatics for Computer Application	3		4	50
6	Core course 1 - Programming in C	2	2	2	50
	Total	23	2	20	300

Semester –II

No.	Title of the Course	Hours/Week		Credit	Marks
		Theory	Practical		
1	Common course English III	5		4	50
2	Common course English IV	4		3	50
3	Common course Additional Language II	5		4	50
4	Complementary II - Mathematics II	4		3	50
5	Core course 2 -Digital Systems	3		2	50
6	Core course 3–Object Oriented Programming Using C++	2		3	50
7	Core course 4 -Lab – I (Programming in C)			2	25
8	Core course 5 -Lab –II (Programming in C++)		2	2	25
	Total	23	2	23	350

Semester –III

No.	Title of the Course	Hours/Week		Credit	Marks
		Theor y	Practical		
1	Common course – Data Structure	4	3	4	50
2	Common course – Data Base Management System	4	2	4	50
3	Complementary III - Mathematics III	4		3	50
4	Core course 6 -Computer Organization	4		3	50
5	Core course 7 -Introduction to Microprocessors	4		3	50
	Total	20	5	17	250

Semester –IV

No.	Title of the Course	Hour	s/Week	Credit	Marks
		Theory	Practical		
1	Common course - Numerical Analysis	4		4	50
2	Complementary IV - Mathematics IV	4		3	50
3	Core course 8 - Operating system	4		3	50
4	Core course 9 - Java Programming	4		3	50
5	Core course 10 -Linux Administration	4		3	50
6	Core course 11- Lab –III Data Structure & DBMS			3	25
7	Core course 12 Lab – IV Java Programming, Shell Programming and Linux Administration		5	3	25
	Total	20	5	22	300

Semester –V

	Title of the Course		/Week		Marks	
No.			Practic al	Credit		
1	Core course 13 - Software Engineering	4		3	50	
2	Core course 14 - Data Communication & Networks	4		3	50	
3	Core course 15 - Enterprise Java Programming	4	4	3	50	
4	Core course 16 - C# and .Net Programming	3	4	2	50	
5	Open course	2		2	25	
	Total	17	8	13	225	

Semester –VI

No.	Title of the Course		s/Week	Credit	Marks
			Practical		
1	Core course 17 - Web Technology	2		2	50
2	Core course 18 - Data Mining & Data Warehousing	4		3	50
3	Core course 19 - Elective I	4		3	50
4	Core course 20 - Elective II	4		3	50
5	Core course 21 - System Software	3		2	50
6	Core course 22 - Lab – V Enterprise Java Programming			3	25
7	Core course 23 - Lab – VI .Net Programming			3	25
8	Core course 24 - Lab – VII Web Technology		3	2	25
9	Core course 25 - Lab – VIII Project		5	4	50
	Total	17	8	25	375

Common course:

Means a course that comes under the category of courses, including compulsory English and additional language courses and a set of general courses. There are 10 common courses for the BCA programme. This includes four English courses (two courses each in first and second semesters), two additional language courses (one course each in first and second semesters) and four General courses (one in first semester, two in third semester and one in fourth semester). The syllabi of general courses include the topics related to Computer Application.

Complementary Course:

Means a course which is generally related to the core course (traditionally referred to as subsidiary paper). There is one Complementary subject for BCA programme. The total number of Complementary courses offered for BCA shall be FOUR. Complementary courses are offered during first to fourth semesters.

Core course:

Means a compulsory course in a subject related to a particular degree programme. The core subject Computer Application consists of 17 theory papers,7 practical papers and 1 project work. The semester wise list of Core and General Courses is given in the following tables.

Open course:

Means a course which can be opted by a student at his/her choice. There shall be one open course in core subjects in the fifth semester. The open course shall be open to all the students in the institution except the students in the parent department. For the purpose of open course B.Sc Computer Science and BCA should be considered as a single department. The students can opt for that course from any other department in the institution. Each department can decide the open course from a pool of three courses offered by the university. A department can offer only one open course in one semester.

Scheme Core, General and Open - Courses (BCA)

S.N Se		Se Course	Course Name		s/Wee k	Credits
0	m	Code			Prac tical	
1	I	1A11BCA	Informatics for Computer Application	3		4
2	I	1B01BCA	Programming in C	2	2	2
	1					
3	П	2B02BCA	Digital Systems	3		2
4	II	2B03BCA	Object Oriented Programming Using C++	2		3
5	П	2B04BCA	Lab – I Programming in C			2
6	П	2B05BCA	Lab – II Programming in C++		2	2
	1				1	
7	III	3A12BCA	Data Structure	4	3	4
8	111	3A13BCA	Database Management System	4	2	4
9	III	3B06BCA	Computer Organization	4		3
10	ш	3B07BCA	Introduction to Microprocessors	4		3
	I			1	1	
11	IV	4A14BCA	Numerical Analysis	4		4
12	IV	4B08BCA	Operating System	4		3
13	IV	4B09BCA	Java Programming	4		3
14	IV	4B10BCA	Linux Administration	4		3
15	IV	4B11BCA	Lab–III Data Structures and DBMS			3
16	IV	4B12BCA	Lab–IV Java Programming, Shell Programming and Linux Administration		5	3

17	v	5B13BCA	Software Engineering	4		3
18	v	5B14BCA	Data Communication & Networks	4		3
19	v	5B15BCA	Enterprise Java Programming	4	4	3
20	v	5B16BCA	C# and .Net Programming	3	4	2
21	V	5DBCA	Open Course	2		2
	1	1		1	1	1
22	VI	6B17BCA	Web Technology	2		2
23	VI	6B18BCA	Data Mining & Data Warehousing	4		3
24	VI	6B19BCA	Elective I	4		3
25	VI	6B20BCA	Elective II	4		3
26	VI	6B21BCA	System Software	3		2
27	VI	6B22BCA	Lab – V Enterprise Java Programming			3
28	VI	6B23BCA	Lab – VI .Net Programming			3
29	VI	6B24BCA	Lab – VII Web Technology		3	2
30	VI	6B25BCA	Lab – VIII Project		5	4

Scheme of Open course for 5th semester

SI. No.	Sem	Course Code	Name of the Course	Hours / Week	Credit
1	V	5D01BCA	Programming with C	2	2
2	V	5D02BCA	Web Technology	2	2
3	V	5D03BCA	Database Management System	2	2



Course 6B19BCA shall be selected from Section A and Course 6B20BCA shall be selected from Section B

No	Sem	Course Code	Course Name	Hours/Week	Credits		
	SECTION A						
1	VI	6B19BCA - E01	Information Security	4	3		
2	VI	6B19BCA - E02	Information Storage System	4	3		
3	VI	6B19BCA - E03	Mobile Communications	4	3		
SECTION B							
4	VI	6B20BCA - E04	Algorithm Analysis and Design	4	3		
5	VI	6B20BCA - E05	Network Programming	4	3		
6	VI	6B20BCA - E06	Digital Image Processing	4	3		

CREDITS

Each course shall have certain credits. For passing the BCA programme the student shall be required to achieve a minimum of 120 credits of which 38 credits (14 credits for English courses, 8 credits for Additional language courses and 16 credits for General courses) shall be from common courses. Minimum credits required for core, complementary and open courses put together are 82.

ЕСТ	STER	со	MMON	GENER AL	CORE	COMPLEMENT ARY	EN	-AL
SUB.	SEME	ENGLI SH	ADDITIO NAL		Computer Application	Maths	OP	TOT
_	I	4+3	4	4	2	3		20
TION	II	4+3	4		2+3+2+2	3		23
LICA				4+4	3+3	3		17
R APF	IV			4	3+3+3+3+3	3		22
UTEF	V				3+3+3+2		2	13
OMP					2+3+3+3+2+3+3			
U U	VI				+2+4			25
	TOTAL	14	8	16	68	12	2	120

CREDIT DISTRIBUTION (LRP- BCA)

ATTENDANCE

Minimum 75% attendance is compulsory for theory as well as practical courses, failing which a student is not eligible to appear for university examinations.

SEMINARS / ASSIGNMENTS

These are part of the curriculum and are to be critically assessed for Internal Assessment. Marks should be awarded based on the content, presentation and the effort put in by the student. The course teacher may give the topics for seminars / assignments. The topics shall be related to the syllabus of the course and is not meant for evaluation in the End Semester Examination.

PROJECT WORK

Every student of BCA Programme shall have to work on a project of four credits under the supervision of a faculty member as per the curriculum. The duration of the project is one year, starting in the fifth semester and submission of the dissertation (Project) at the end of sixth semester. Individual projects are recommended but in an instance where the number of supervising teachers is less, the project may be done as group. The maximum number of students in a group shall be limited to **FOUR**. A record is compulsory for each practical course. The student will not be permitted to appear for practical examinations without certified practical records. The records are intended as observation records of the practical works done in the lab. The valuation of records, to be done internally, should be based on the effort and promptness of the student in practical works.

COURSE EVALUATION

The evaluation scheme for each course shall contain two parts

- 1. Internal Assessment (IA)
- 2. External Evaluation (End Semester Evaluation ESE)

20% weight shall be given to the internal evaluation. The remaining 80% weight shall be for the external evaluation. The distribution of marks for each course is given in following table:

Cours	No of	Mai	Total Marks			
Cours	0001363	Int	Ext	Total (Int + Ext)		
	English	4	10	40	50	200
Common	Addl. Language	2	10	40	50	100
	General	4	10	40	50	200
Complementary	Mathematics	4	10	40	50	200
	Theory	17	10	40	50	850
Core	Practical	7	5	20	25	175
	Project	1	10	40	50	50
Total	•					1800

Scheme of mark distribution of BCA programme

Internal Assessment:

20% of the total marks in each course are for internal assessment. The marks secured for internal assessment only need be sent to university by the colleges concerned. The internal assessment shall be based on a predetermined transparent system involving written test, assignments/ seminars/ Viva and attendance in respect of theory courses and submissions and records, tests and attendance in respect of practical courses. Components with percentage of marks of Internal Evaluation of Theory Courses are-

Attendance	- 25%
Assignment/ Seminar/Viva	- 25%
Test paper	- 50%

For practical courses-

Attendance	- 25%
Submissions and Record	- 25%
Practical Test Paper	- 50%

(If a fraction appears in total internal marks, nearest whole number is to be taken)

Attendance of each course shall be evaluated as below

Attendance %	% Marks Allotted
Above 90%	100%
85 to 89%	80%
80 to 84 %	60%
75 to 79 %	40%
Less than 75%	Not eligible for University exam

Theory External Evaluation:

External evaluation carries 80% of marks. All question papers shall be set by the university. The external examination in theory courses is to be conducted with question papers set by external experts. The evaluation of the answer scripts shall be done by examiners based on a well-defined Scheme of valuation and answer keys provided by the University. Details regarding the End Semester Evaluation of core and open courses are

given below:

- 1. Core Courses
- Maximum Marks for each course 40 Marks
- Duration of examination **3** Hrs.

SI.No	Type of Question	Marks	Number of Questions to be answered / total number of questions	Max. Marks
1	A bunch of 8 one word answer questions	0.5	08/08	4
2	Short answer	2	07/10	14
3	Short Essay /Programs	3	04/6	12
4	Essay Type	5	02/4	10

2. Open Course

- Maximum Marks for open course 20 Marks
- Duration of examination

SI.No	Type of Question	Marks	Number of Questions to be answered / total number of questions	Max. Marks
	A bunch of 8 one word			
1	answer questions	0.5	08/08	4
2	Short answer	2	03/05	6
3	Short Essay /Programs	3	02/04	6
4	Essay Type	4	01/02	4

External Evaluation Practical

External evaluation carries 80% of marks. All question papers shall be set by the

2 Hrs.

-
university. The external examination in practical courses shall be conducted by **TWO** external examiners appointed by the University. No practical examination will be conducted in odd semester. Practical examinations shall be conducted in the even semester (II, IV and VI). The Scheme of Examinations and Model Question Papers of all the theory and practical courses offered under core, general and open courses are include in the detailed syllabus. Practical examination assessment of different components may be taken as below.

Components	Part A	Part B
Program writing	3	3
Compilation/Execution (without errors)	2	2
Correct Output	2	2
Modification	1	1
Viva-voice	2	2
Total	10	10

Project Evaluation

Evaluation of the Project Work shall be done under Mark System at two stages:

- 1. Internal Assessment (supervising teachers will assess the project and award internal Marks)
- 2. External evaluation (external examiner appointed by the University)

Marks secured for the project will be awarded to candidates, combining the internal and external Marks. The internal to external components is to be taken in the ratio 1:4. Assessment of different components may be taken as below.

Internal (20%	of the to	tal)	External (80% of Total)			
Components	% of Marks	Marks	Components	% of Marks	Marks	
Punctuality	20	02	Written Synopsis/Abstract	12.5	5	
			Content of the Project	12.5	5	
Relevance of topic System			Quality of project work/Use of software/ tools	12.5	5	
study / Design of tables	20 02	02	Perfection of the work (Designs of tables/ Input & Output forms)	25	10	
			Live demo	12.5	5	
Project Report	30	03				
Presentation & Viva-voce	30	03	Viva-Voce	25	10	
Total	100	10	Total	100	40	

External Examiners will be appointed by the University in consultation with the Chairperson of the Board. Project evaluation shall be done along with the external examination of Core Practical lab IV & V in sixth semester.

Pass Conditions:

Submission of the project report and presentation of the student for viva are compulsory for the evaluation. No marks shall be awarded to a candidate if she/he fails to submit the project report for external evaluation. The student should get a minimum of 40 % marks for pass in the project. There shall be no improvement chance for the Marks obtained in the Project Report. In an instance of inability of obtaining a minimum of 40% marks, the project work may be re-done and the report may be re-submitted along with subsequent exams through parent department.

KANNUR UNIVERSITY (Abstract)

BSc Computer Science Programme - Revised Scheme & Syllabus of Core, Complementary and Open Courses under Choice Based Credit Semester System for Under Graduate Programme - implemented with effect from 2014 admission - Orders Issued.

ACADEMIC BRANCH

Dated, Civil Station P.O, 04 - 07-2014

Read: 1.U.O No. Acad/C2/2232/2014 dated 14-03-2014

No. Acad/C2/7857/2014 (1)

2. Minutes of the meeting of the Board of Studies in Computer Science (UG) held on 27-01-2014

3. Minutes of the meeting of the Faculty of Technology held 01-04-2014

4. Letter dated 24.06.2014 from the Chairman, BOS in Computer Science (UG)

ORDER

1. The Revised Regulations for UG Programme under Choice based Credit & Semester System were implemented in this University with effect from 2014 admission as per paper read (1) above.

2. As per paper read (2) above the Board of Studies in Computer Science(UG) finalized the Scheme, Syllabus & model Question Papers for Core, Complementary & open courses of BSc Computer Science programme to be implemented with effect from 2014 admission.

3. As per read (3) above the Faculty of Technology held on 01-04-2014 approved Scheme, syllabus & model question papers for core/complementary & open courses of BSc Computer Science programme to be implemented with effect from 2014 admission.

ling.

4. The Chairman, Board of Studies in Computer Sience (UG) vide paper read (4) above has submitted the finalized copy of Scheme, syllabus & Model question papers for core/complementary and open courses of BSc Computer Science programme for implementation with effect from 2014 admission.

5. The Vice Chancellor, after examining the matter in detail, and in exercise of the powers of the Academic Council as per section 11(1) of Kannur University Act 1996 and all other enabling provisions read together with, has accorded sanction to implement the revised scheme, syllabus& model question papers of BSc Computer Science Programme with effect from 2014 admission.

6. Orders, are therefore issued implementing the revised scheme, syllabus & model question papers for core, complementary& open courses of BSc Computer Science programme under CBCSS with effect from 2014 admission subject to report to Academic Council

7. Implemented revised Syllabus is appended.

Sd/-REGISTRAR

То

1. The Principals of Affiliated Colleges offering B.Sc Computer Science Programme 2. The Examination Branch (through PA to CE)

Copy To:

4

Postin N

- 1. The Chairman, BOS Computer Science (UG) 2. PS to VC/PA to PVC/PA to Registrar
- 3. DR/AR I Academic
- 4. Central Library
- 5. SF/DF/FC.



Forwarded/By Order

Section Officer

•

* For more details log on to www.kannur university.ac.in

de

and a second frequency of the second second second second

Lateral and a

and the second sec

KANNUR UNIVERSITY



COURSE STRUCTURE AND SYLLABUS For UNDERGRADUATE PROGRAMME

In

COMPUTER SCIENCE

CORE, COMPLEMENTARY And OPEN COURSES

Under CHOICE BASED CREDIT AND SEMESTER SYSTEM w. e. f. 2014 ADMISSION

<u>General Guidelines, Curricula, Syllabus and Scheme of examinations</u> <u>for B.Sc (Computer Science) Programme w.e.f 2014 admission</u> <u>onwards.</u>

B.Sc. Computer Science, an undergraduate programme under the Faculty of Technology of Kannur University, consists of Computer Science as core subject with two complimentary subjects. The duration of the programme is six semesters distributed over a period of three years. A semester consists of 90 working days including examination days distributed over a minimum of 18 weeks of five working days each.

COURSES

The number of courses required to complete the programme shall be 40. 'Course' means a segment of subject matter to be covered in a semester (traditionally referred to as paper). The courses include Common Courses including General Course, Complimentary Course, Core Course and Open Course. The break-up of the courses is as follows; Detailed course structure is given in table 1.

Total	40
Open Course	0 1
Core	19
Complimentary II	05
Complimentary I	05
Common courses (General)	04
language)	
Common courses (English + Additional	06

COURSE STRUCTURE

B.Sc Computer Science[Core]

Semester –I

	Hours/Week				
No.	Course Name	Theory	Practi cal	Credit	Marks
1	Common course- English I	5		4	50
2	Common course- English II	4		3	50
3	Common course- Additional Language I	5		4	50
4	Core course-1 Introduction to Computers &Programming Languages	1	2	3	50
5	Complementary I (Mathematics)	4		3	50
6	Complementary II	4		3	50
	Total	23	2	20	300

Semester –II

		Hours/	Week			
No.	Course Name	Theory	Practi cal	Credit	Marks	
1	Common course- English III	5		4	50	
2	Common course- English IV	4		3	50	
3	Common course -Additional Language II	5		4	50	
4	Core course- 2 Advanced Programming in C	1		2	50	
5	Core course -3 Lab-1 Advanced C Programming		2	1	25	
6	Complementary I- (Mathematics-II)	4		3	50	
7	Complementary II-	4		3	50	
	Total	23	2	20	325	

Semester -III

	No. Course Name Theory P		Veek		Marks
No.			Pract ical	Credit	
1	General course-1 Programming with C++	3	2	4	50
2	General course-2 Digital Electronics	4		4	50
3	Core course-4 Data Structure	3	3	4	50
4	Complementary I (Mathematics-III)	5		3	50
5	Complementary II	5		3	50
	Total 20 5		18	250	

Semester –IV

		Hours/\	Neek		
No.	Course Name	Theory	Practi cal	Credit	Marks
1	General course-3 Database Management System	3		4	50
2	General course-4 Operating System	4		4	50
3	Core course-5 C# and.NET Programming	3		4	50
4	Core course -6 lab –II (Programming with C++ & Data Structure)		2	1	25
5	Core course-7 Lab-II (.NET Programming & DBMS)		3	2	25
6	Complementary I (Mathematics-IV)	5		3	50
7	Complementary II	5		3	50
	Total	20 05		21	300

Semester –V

		Hours/Week			
No.	Course Name	Theory	Practi cal	Credit	Marks
1	Core course-8 Software Engineering	3		4	50
2	Core course-9 Web Technology	2	3	3	50
3	Core course-10 Java Programming	3	3	4	50
4	Core course -11 Linux Administration	3	2	3	50
5	Core course -12 Elective-I	4		4	50
6	Open Course	n Course 2		2	25
	Total 17 08				275

Semester –VI

		Hours/\	Neek		
No.	Course Name	Theory	Practi cal	Credit	Marks
1	Core course-13 System Software	4		3	50
2	Core course-14 Data Communication & 4 Networks				50
3	Core course-15 Computer Organization	3		3	50
4	Core course -16 Elective-II	4		3	50
5	Core course -17 Lab IV – Java & Shell Programming		3	2	25
6	Core course-18 Lab IV Web Technology		2	2	25
7	Core course -19 Lab V- Project	2	3	5	100
	Total	17	21	350	

Common course:

Means a course that comes under the category of courses, including compulsory English and additional language courses and a set of general courses. There are 10 common courses for the BSc. Computer Science programme. This includes four English courses (two courses each in first and second semesters), two additional language courses (one course each in first and second semesters) and four General courses (two each in third and fourth semesters). The syllabi of general courses include the topics related to Computer Science.

Complementary Course:

Means a course which is generally related to the core course (traditionally referred to as subsidiary paper). There are two complimentary subjects for BSc. Computer Science programme. The total number of courses offered in each subjects shall be FIVE. Complementary courses are offered during first to fourth semesters.

Core course:

Means a compulsory course in a subject related to a particular degree programme. The core subject Computer Science consists of 13 theory papers,5 practical papers and 1 project work. The semester wise list of Core and General Courses is given in Table 2.

Open course:

Means a course which can be opted by a student at his/her choice. There shall be one open course in core subjects in the fifth semester. The open course shall be open to all the students in the institution except the students in the parent department. The students can opt for that course from any other department in the institution. Each department can decide the open course from a pool of three courses offered by the university. The list of open courses in Computer Science is given in Table 3.for the purpose of open course B.Sc Computer Science and BCA should be considered as a single department.

No	No Se Course		Course Name	Hours/Week		Crodit	Total
	m	Code		Theory	Pract	orean	Crd/s
					icai		
1	1	1B01CSC	Introduction to Computers &	1	2	3	3
			Programming Languages				
2	2	2B02CSC	Advanced Programming in C	1		2	3
3	2	2B03CSC	Lab-I Advanced C Programming		2	1	•
4	3	3A11CSC	Programming with C++	3	2	4	
5	3	3A12CSC	Digital Electronics	4		4	12
6	3	3B04CSC	Data Structure	3	3	4	
7	4	4A13CSC	Database Management System	3		4	
8	4	4A14CSC	Operating System	4		4	
9	4	4B05CSC	C# and .NET Programming	3		4	
10	4	4B06CSC	Lab-II (Programming with C++		2	1	15
			& Data Structure		2	I	
11	4	4B07CSC	Lab-III (.NET Programming & DBMS)		3	2	
12	5	5B08CSC	Software Engineering	3		4	
13	5	5B09CSC	Web Technology	2	3	3	
14	5	5B10CSC	Java Programming	3	3	4	20
15	5	5B11CSC	Linux Administration	3	2	3	20
16	5	5B12CSC	Elective-I	4		4	
17	5	5DCSC	Open Course	2		2	
18	6	6B13CSC	System Software	4		3	
19	6	6B14CSC	Data Communication & Networks	4		3	
20	6	6B15CSC	Computer Organization	3		3	
21	6	6B16CSC	Elective -II	4		3	
22	6	6B17CSC	Lab IV- Java & Shell Programming		3	2	21
23	6	6B18CSC	Lab V Web Technology		2	2	
24	6	6B19CSC	Project	2	3	5	

Table 2. Scheme of Core and General Courses

	Elective –I									
N O	Se m	Course Code	Course Name	Hours Theor Y	/Week Practi cal	Credit	Marks			
1	5	5B12CSC - E01	Algorithm Analysis and Design	4		4	50			
2	5	5B12CSC –E02	Computer Graphics	4		4	50			
3	5	5B12CSC –E03	Data Mining	4		4	50			
	Elective –II									
1	6	6B16CSC – E04	Compiler Design	4		3	50			
2	6	6B16CSC – E05	Data Compression	4		3	50			
3	6	6B16CSC – E06	Information Security	4		3	50			

Table 3. Scheme of OPEN COURSES for 5th Semester

SI. No	Se m	Course Code	Name of the Course	Hours/ Week	Credit	Marks
1	5	5D01CSC	Programming with C	2	2	25
2	5	5D02CSC	Web Technology	2	2	25
3	5	5D03CSC	Data Base Management System	2	2	25

N O	S e m	Course Code	Course Name	Theo ry	Prac tical	Credi t	Total credit/ s	Mar ks
1	1	1C01CSC	Fundamentals of Computers & Programming languages	2	2	2	2	40
2	2	2C02CSC	Programming in C	2	2	2	2	40
3	3	3C03CSC	Data Base Management System	3	2	3	3	40
4	4	4C04CSC	Visual Programming	3		3	5	40
5	4	4C05CSC	Lab-I(C Programming,DBMS &Visual Basic)		2	2	5	40
TOTAL		OTAL				12		200

Scheme of Complementary Courses

CREDITS

Each course shall have certain credits. For passing the BSc. Computer Science programme the student shall be required to achieve a minimum of 120 credits of which 38 credits (14 credits for English courses, 8 credits for Additional language courses and 16 credits for General courses) shall be from common courses. Minimum credits required for core, complementary and open courses put together are 82. The distribution of credits for various courses is given in Table 3.

SUBJEC	SEM	COMMON GEN ERA		CORE	COMPLEME NTARY		OP EN	TOT AL	
I		ENG LISH	ADDIT IONAL	L	Comp Science	Math s	Stat		
ш	I	4+3	4		3	3	3		20
ENCI	II	4+3	4		2+1	3	3		20
s sci				4+4	4	3	3		18
JTER	IV			4+4	4+1+2	3	3		21
IdMC	V				4+4+4+2			2	20
CC	VI				3+3+3+3+2+2 +5				21
TOTAL		14	8	16	56	12	12	2	120

CREDIT DISTRIBUTION (LRP-COMPUTER SCIENCE)

ATTENDANCE

Minimum 75% attendance is compulsory for theory as well as practical courses, failing which a student is not eligible to appear for university examinations.

SEMINARS/ASSIGNMENTS

These are part of the curriculum and are to be critically assessed for Internal Assessment. Marks should be awarded based on the content, presentation and the effort put in by the student. The course teacher may give the topics for seminars / assignments. The topics shall be related to the syllabus of the course and is not meant for evaluation in the End Semester Examination. The format of the title page of assignment /seminar report is given in Appendix I

PROJECT WORK

Every student of B.Sc. Computer Science Programme shall have to work on a project of **FIVE** credits under the supervision of a faculty member as per the curriculum. The duration of the project is one year, starting in the fifth semester and submission of the dissertation at the end of sixth semester. Individual projects are recommended but in an instance where the number of supervising teachers is less, the project may be done

as group. The maximum number of students in a group shall be limited to **THREE**. The format of the title page of Dissertation is given in Appendix II

RECORDS

A record is compulsory for each practical course. The student will not be permitted to appear for practical examinations without certified practical records. The records are intended as observation records of the practical works done in the lab. The valuation of records, to be done internally, should be based on the effort and promptness of the student in practical works.

COURSE EVALUATION

The evaluation scheme for each course shall contain two parts

- a) Internal Assessment (IA)
- b) External Evaluation (End Semester Evaluation ESE)

20% weight shall be given to the internal evaluation. The remaining 80% weight shall be for the external evaluation. The distribution of marks for each course is given in Table 4.

	Table 4.	Scheme of m	ark distribution	of BSc. (Computer	Science (programme
--	----------	-------------	------------------	-----------	----------	-----------	-----------

Courses		No. of	Mai	Total		
		courses	Int.	Ext.	Total (Int+Ext)	Marks
Common	English	4	10	40	50	200
Common	Addl. Language	2	10	40	50	100
General	4	10	40	50	200	
	I (Mathematics)	4	10	40	50	200
Complementary	II (Statistics (without Practical)	4	10	40	50	200
	/Electronics/Physics)	5	8	32	40	200
	Theory	13	10	40	50	650
Core	Practical	5	05	20	25	125
	Project	-	20	80	100	100
Open course	1	5	20	25	25	
Total		·				1800

Internal Assessment:

20% of the total marks in each course are for internal assessment. The marks secured for internal assessment only need be sent to university by the colleges concerned. The internal assessment shall be based on a predetermined transparent system involving written test, assignments/ seminars/ Viva and attendance in respect of theory courses and submissions and records, tests and attendance in respect of practical courses. Components with percentage of marks of Internal Evaluation of

Theory Courses are-

Attendance	- 25%
Assignment/ Seminar/Viva	- 25%
Test paper	- 50%
For practical courses-	
Attendance	- 25%
Submissions and Record	- 25%
Practical Test Paper	- 50%

(If a fraction appears in total internal marks, nearest whole number is to be taken)

Attendance of each course shall be evaluated as below-

Attendance %	% Marks Allotted
Above 90%	100%
85 to 89%	80%
80 to 84 %	60%
75 to 79 %	40%
Less than 75 %	Not eligible for University exam

Theory External Evaluation:

External evaluation carries 80% of marks. All question papers shall be set by the university. The external examination in theory courses is to be conducted with question papers set by external experts. The evaluation of the answer scripts shall be done by examiners based on a well-defined Scheme of valuation and answer keys provided by the University. Details regarding the End Semester Evaluation of core complementary and open courses are given below:

1. Core Courses

Maximum Marks for each course

Duration of examination

40 Marks **3** Hrs.

_

-

SI.No	Type of Question	Marks	Number of Questions to be answered / total number of questions	Max. Marks
01	A bunch of 8 one word answer questions	0.5	08/08	04
02	Short answer	2	07/10	14
03	Short Essay /Programs	3	04/06	12
04	Essay Type	5	02/04	10

2. Complementary Courses

- Maximum Marks for each course
- Duration of examination

32 Marks 3 Hrs.

SI.No	Type of Question	Marks	Number of Questions to be answered / total number of questions	Max. Marks
01	A bunch of 6 one word answer questions	0.5	06/06	03
02	Short answer	2	05/08	10
03	Short Essay /Programs	3	03/05	09
04	Essay Type	5	02/04	10

3. Open Course

- Maximum Marks for open course 20 Marks
- Duration of examination **2** Hrs.

SI.No	Type of Question	Marks	Number of Questions to be answered / total number of questions	Max. Marks
01	A bunch of 8 one word answer questions	0.5	08/08	04
02	Short answer	2	03/05	06
03	Short Essay /Programs	3	02/04	06
04	Essay Type	4	01/02	04

External Evaluation Practical

External evaluation carries 80% of marks. All question papers shall be set by the university. The external examination in practical courses shall be conducted by **TWO** external examiners appointed by the University. No practical examination will be conducted in odd semester. Practical examinations shall be conducted in the even semester (II, IV and VI). The Scheme of Examinations and Model Question Papers of all the theory and practical courses offered under core, general and open courses are include in the detailed syllabus. Practical examination assessment of different components may be taken as below.

Components	Part A	Part B
Program code	3	3
Error free Execution	2	2
Perfect Output	2	2
Modification	1	1
Viva-voce	2	2
Total	10	10

Evaluation of the Project Work shall be done under Mark System at two stages:

- a) Internal Assessment (supervising teachers will assess the project and award internal Marks)
- b) External evaluation (external examiner appointed by the University)

Marks secured for the project will be awarded to candidates, combining the internal and external Marks. The internal to external components is to be taken in the ratio 1:4. Assessment of different components may be taken as below.

Internal (20% of the Total)				External (80% of Total)			
Components	% of Marks	Marks		Components	% of Mark s	Mark s	
Punctuality	20	04		Writing synopsis/Abstract	12.5	10	
		04		Content of the Report	12.5	10	
Relevance of		04		Quality of project work/ Use of software/ tools	12.5	10	
topic System study / Design of tables	20			Perfection of the work done (Designs of tables/ Input & Output forms)	25	20	
			-	Live demo	12.5	10	
Project Report	30	06					
Presentation & 30 Viva-voce		06		Viva-Voce	25	20	
Total	100	20		Total	100	80	

External Examiners will be appointed by the University in consultation with the Chairperson of the Board. Project evaluation shall be done along with the external examination of Core Practical lab IV & V in sixth semester.

KANNUR

(Abstract) BA Economics /Development Economics Programmes - Revised Scheme, Syllabi and Model Question Papers - Core/Complementary/Open Courses under Choice Based Credit Semester System-Implemented with effect from 2014 Admission - Orders issued.

ACADEMIC BRANCH

U.O No. Acad/C1/4271/2014

Dated, Civil Station (PO), 3-05-2014

Read: 1. U.O.No.Acad/C2/2232/2014 dated 14/03/2014

2. Minutes of the meeting of the Board of Studies in Economics UG held on 15-01-2014

UNIVERSITY

3.Minutes of the meeting of the Faculty of Humanities held on 27-03-2014 4.Letter dated 11-04-2014 from the Chairman, Board of Studies Economics UG

ORDER

1. The Revised Regulations for Choice based Credit Semester System have been implemented in this University with effect from 2014 admission vide paper read (1) above.

2. As per the paper read (2) above, Board of Studies in Economics (UG) finalized the Scheme, Syllabi and Model Question Papers for BA Economics/Development Economics under Choice Based Credit Semester System with effect from 2014 admission.

3.As per the paper read (3) above the meeting of Faculty of Humanities approved the Scheme, Syllabi and Model question papers for BA Economics/Development Economics w.e.f.2014 admission.

4.The Chairman, Board of Studies in Economics (UG), vide paper (4) read above has forwarded the Scheme, Syllabi and Model Question Papers for BA Economics/Development Economics for implementation with effect from 2014 admission.

5. The Vice Chancellor after considering the matter in detail and in exercise of the powers of Academic Council conferred under section 11 (1) of Kannur University Act 1996 and all other enabling provisions read together with has accorded sanction to implement the revised Scheme, Syllabi and Model Question Papers (Core/Complementary/Open Courses) for BA Economics/Development Economics under Choice Based Credit Semester System with effect from 2014 admission subject to report Academic Council.

6. Orders are, therefore, issued accordingly.

7. The Implemented Scheme, Syllabi and Model Question Papers are appended.

Sd/-DEPUTY REGISTRAR (Academic) For REGISTRAR

To

The Principals of Colleges offering BA Economics/Developing Economics Programme.

(PTO)

Sale

1. The Examination Branch (through PA to CE) 2. PS to VC/PA to /PA to Registrar / 3. Chairman BOS Economics (UG) 4. PA to CE 5. DR/AR I Academic 6. SF/DF/FC.

2. As per the paper read (2) above Binder Studies in Decomina (110) finalized the Scheme,

Forwarded/ by Order

Section Officer

For more details; log on www.kannur university.ac.in

wilder and binder Oversian Papers for RA PergenmentNewforment Domender under Choice Pered

Constron Papers (Core/Complementary/Open Courses) for S.A. Rochoogg/Development Rechomics

maker Choles Based Credit, Senticister System walt effect from 2014 administra collect to report Academia

KANNUR UNIVERSITY



COURSE STRUCTURE

SYLLABUS

And

MODEL QUESTION PAPERS

For

BA ECONOMICS/DEVELOPMENT ECONOMICS

Under

Kannur University Regulations for Choice Based Credit and Semester System For Under-Graduate Curriculum 2014 (KUCBCSSUG 2014)

KANNUR UNIVERSITY BOARD OF STUDIES IN ECONOMICS (UG) RESTRUCTURED CURRICULUM OF UNDERGRADUATE ECONOMICS PROGRAMME 2014 Admission onwards

Economics is one of the most dynamic and fast growing disciplines coming under the purview of social sciences. Its horizon begins from the boundary of social sciences but expands comprehensively to other sciences on account of its relatively fairer degree of objectivity and profoundly greater strength of applicability of quantitative techniques. Its widening perspectives and high degree of adaptability and flexibility to link itself with other sciences make it a unique field of interdisciplinary and multidisciplinary advancement of scientific knowledge. Finding knowledge gaps and filling these gaps are happening in this field at a remarkable pace and intensity. Thus, complicated socio-economic problems get transitory or enduring solutions.

Association of economics with management studies, environmental sciences, demography, health sciences, etc. has opened multiple branches of economics. Environmental economics, resource economics, managerial economics, gender economics, health economics, etc. are few such branches. Besides these interdisciplinary and multidisciplinary areas of scientific knowledge, economics has its newer branches like constitutional economics, econophysics, neuro-economics etc.

Economics uses the tools of various disciplines like management studies, mathematics, statistics, and their sophisticated software and has become an integral part of knowledge explosion. It has interdisciplinary approaches in teaching and learning, research and exploration, and formulation and application of socio political and economic policies. Combining these advancements with our great achievements in science and technology we can make our farms and firms less risky . For this we need to connect our knowledge and research centers directly or indirectly with the farms and firms. Along with the establishment of research and knowledge centers we need to enrich and update the syllabi at the undergraduate level, which is the very foundation of Higher Education. The ongoing syllabi at the undergraduate level are not a perfect and smooth continuation and expansion of the syllabi at Higher Secondary level of education. They need modifications and improvements in tune with the latest developments in economic thought, technique and analysis, and the rapidly changing socio-economic environment of our country.

The revised syllabi, a product of a series of workshops conducted under the aegis of the U G Board of Studies and enriched by the active participation of faculty members, research scholars and experts of academia, are expected to impart professionalism and provide insight into the newly emerging areas of knowledge. A good number of teachers and academicians within and outside the State have contributed their knowledge, experience and service to this academic exercise. The deliberation of the experts from various fields and existing syllabi of different universities have been immensely used for framing the new syllabi of the BA Economics Programme. It is also to be pointed out that before finalizing the syllabi, experts from other universities were consulted and their suggestions incorporated. The new and revised syllabi are expected to meet the requirements of the time and materialize the mission and vision of the Higher Education.

DR NJ SALEENA Chairperson, Board of Studies in Economics (UG) Kannur University

INDEX

(Contents	Page No
1.	Restructured Curriculum in Economics	1
2.	Index	2
3.	Table for course structure for BA- Economics programme	3
4.	Number of Courses -BA Economics/BA Development	
	Economics	4
5.	Scheme and Marks Distribution for BA Programme in	
	UG- Economics	5
6.	Core Courses	6
7.	Complementary Courses	7
8.	Open Courses	8
9.	Course Structure For BA Economics/Development	
	Economics	9-13
10.	Semester wise Courses-Course Code-Credit-Contact Hour Pe	er
	Week and Exam Hours- BA Economics	14
11.	Semester wise Courses-Course Code-Credit-Contact Hour Pe	er
	Week and Exam Hours-BA Development Economics	15
12.	Complementary Courses-Credit and Contact Hours	16
13.	Open Courses - Credit and Contact Hours	17
14.	Course-Semester Wise- BA Economics/BA Development	
	Economics	18-21
15.	Syllabus	22-96
16.	Evaluation	97-102
17.	Model Question Paper	103-163

TABLE FOR COURSE STRUCTURE FOR BAECONOMICS/DEVELOPMENT ECONOMICS PROGRAMME

Subject	Sem	Common Course		General	Core			Compleme ntary		Open	Total			
		EnglishHIN/MAL/URD(First(SecondLanguage)Language)			Ec	cono	mic	s						
English	1	4 3		4		5			4	-		20		
Literat ure&	II	4 3		4	-	4		4	-		19			
Langua ge	III	4		4	-	5 4			4		21			
	IV	4		4	-	4 4		-	4		20			
	V				-	4	4	4	4	4			2	22
	VI					4	4	4	4	2				18
		otal 22 Credits 16 Credits (200 Marks)		-	64 Credits (775 Marks)			8	8	2				
	Total							16 Credits2Credits(200(25Marks)Marks)		2Credits (25 Marks)	120			
		38	Credits (500 Marks)	82 Credits (1000 Marks)					ks)	120			
						Gı	an	d T	`ot a	al	150	0 Mai	rks	
						To	otal	Cr	ed	it		120		

B A ECONOMICS/ DEVELOPMENT ECONOMICS

Total number of Common courses	: 10
Total Credit	: 38
Total number of	
a) Core courses	: 15+Project work
b) Complementary Courses	:4
Total Credits	
a) Core courses	: 64
b) Complementary Courses	: 16
Total number of Open Courses	:1
Total Credits	:2
Total Credit for B A Programme	: 120

Sem	Course	Course Code	Name of the Paper	Hours/	Credit	Marks
			-	week		
1	Common	1A01ENG	Common Course I English	5	4	40+10=50
	Common	1A02ENG	Common Course II English	4	3	40+10=50
	Common	1A07MAL/HIN/	Common Course I Additional	4	4	40+10=50
	(Language)	ARB/URD	Language			
	Core	1B01ECO	Micro Economic Analysis-I	6	5	40+10=50
	Complimentary	1C0	Complimentary I	6	4	40+10=50
2	Common	2A03ENG	Common Course III English	5	4	40+10=50
	Common	2A04ENG	Common Course IV English	4	3	40+10=50
	Common	2A08MAL/HIN/	Common Course II Additional	4	4	40+10=50
	(Language)	ARB/URD	Language			
	Core	2B02ECO	Micro Economic Analysis-II	6	4	40+10=50
	Complementary	2CO	Complimentary II	6	4	40+10=50
3	Common	3A05ENG	Common Course V English	5	4	40+10=50
	Common	3A09 MAL/HIN/	Common Course III Additional	5	4	40+10=50
	(Language)	ARB/URD	Language			
	Core	3B03ECO	Macro Economic Analysis-I	5	5	40+10=50
	Core	3BO4ECO	International Economics	4	4	40+10=50
	Complementary	3CO	Complimentary 1	6	4	40+10=50
4	Common	4A06ENG	Common Course VI English	5	4	40+10=50
	Common	4A10MAL/HIN/	Common Course IV Additional	5	4	40+10=50
	(Language)	ARB/URD	Language			
	Core	4B05ECO	Macro Economic Analysis-II	5	4	40+10=50
	Core	4BO6ECO	Environmental Economics	4	4	40+10=50
	Complementary	4CO	Complimentary II	6	4	40+10=50
5	Open	5D0ECO		2	2	20+05=25
	Core	5B07ECO	Basic Tools for Economic	6	4	40+10=50
			Analysis-1			
	Core	5B08ECO	Alternative Economics	4	4	40+10=50
	Core	5B09ECO	Research Methods and	4	4	40+10=50
			Techniques for Economic			
			Analysis			
	Core	5B10ECO	Development Economics	4	4	40+10=50
	Core	5B11ECO	Economics of Banking and	5	4	40+10=50
			Finance			
6	Core	6B12ECO	Basic Tools for Economic	6	4	40+10=50
			Analysis-II			
	Core	6B13ECO	Central Themes in Indian	5	4	40+10=50
			Economy			
	Core	6B14ECO	Public Economics	6	4	40+10=50
	Core	6B15ECO	Basic Econometric analysis	5	4	40+10=50
	Project	6B16 ECO(Pr)	Project	3	2	20+05=25
]		

Scheme and Marks Distribution for BA Programme in Economics

CORE COURSES

- MICRO ECONOMIC ANALYSIS I
- MICRO ECONOMIC ANALYSIS II
- MACRO ECONOMIC ANALYSIS I
- INTERNATIONAL ECONOMICS
- MACRO ECONOMIC ANALYSIS II
- ENVIRONMENTAL ECONOMICS
- BASIC TOOLS FOR ECONOMIC ANALYSIS I
- ALTERNATIVE ECONOMICS
- RESEARCH METHODS AND TECHNIQUES FOR ECONOMIC ANALYSIS
- DEVELOPMENT ECONOMICS
- ECONOMICS OF DEVELOPMENT AND PLANNING 1
- ECONOMICS OF BANKING AND FINANCE
- BASIC TOOLS FOR ECONOMIC ANALYSIS II
- CENTRAL THEMES IN INDIAN ECONOMY
- ECONOMICS OF DEVELOPMENT AND PLANNING11
- **PUBLIC ECONOMICS**
- **BASIC ECONOMETRIC ANALYSIS**
- **PROJECT**

COMPLEMENTARY COURSES

ECONOMICS / NON ECONOMICS FACULTY

- MATHEMATICS FOR ECONOMIC ANALYSIS- I
- MATHEMATICS FOR ECONOMIC ANALYSIS- II
- MATHEMATICAL ECONOMICS-I
- MATHEMATICAL ECONOMICS-II
- INTRODUCTORY ECONOMICS- I (FOR NON ECONOMICS FACULTY ONLY)
- INTRODUCTORY ECONOMICS- II (FOR NON ECONOMICS FACULTY ONLY)
- HISTORY OF ECONOMIC THOUGHT-I
- HISTORY OF ECONOMIC THOUGHT-II
- **POPULATION STUDIES**
- **REGIONAL ECONOMICS**
- AGRICULTURAL ECONOMICS
- GENDER ECONOMICS

OPEN COURSES

Six open Courses are listed during the V Semester. Colleges have the freedom to select any one of the Open Courses.

Semester-V

- ECONOMICS OF TRAVEL AND TOURISM
- KERALA ECONOMY
- ECONOMICS OF SHARE MARKET

COURSE STRUCTURE FOR BA ECONOMICS/DEVELOPMENT ECONOMICS

Sl No.	Semester	Course Code	Title of the paper	Contact Hour/week	Credits	Marks
1	1	1A01ENG	Common Course I English	5	4	40+10=50
2	1	1A02ENG	Common Course II English	4	3	40+10=50
3	1	1A07MAL/HIN/ARB/URD	Common Course I Additional	4	4	40+10=50
4	11	2A03 ENG	Common Course III English	5	4	40+10=50
5	11	2A04 ENG	Common Course IV English	4	3	40+10=50
6	11	2A08MAL/HIN/ARB/URD	Common Course II Additional	4	4	40+10=50
7	111	3A05ENG	Common Course V English	5	4	40+10=50
8	111	3A09MAL/HIN/ARB/URD	Common Course III Additional	5	4	40+10=50
9	1V	4A06ENG	Common Course VI English	5	4	40+10=50
10	IV	4A10MAL/HIN/ARB/URD	Common Course IV Additional	5	4	40+10=50

TABLE FOR COMMON COURSES

TABLE FOR CORE COURSES: BA ECONOMICS PROGRAMME

SL. No	Semester	Course Code	Name of the paper	Contact Hour/ week	Credits
1	Ι	1B01ECO	Micro Economic Analysis-I	6	5
2	II	2B02ECO	Micro Economic Analysis-II	6	4
3	III	3B03ECO	Macro Economic Analysis-I	5	5
4	III	3B04ECO	International Economics	4	4
5	IV	4B05ECO	Macro Economic Analysis-II	5	4
6	IV	4B06ECO	Environmental Economics	4	4
7	V	5B07ECO	Basic Tools for Economic Analysis-I	6	4
8	V	5B08ECO	Alternative Economics	4	4
9	V	5B09ECO	Research Methods and Techniques for Economic Analysis	4	4
10	V	5B10ECO	Development Economics	4	4
11	V	5B11ECO	Economics of Banking and Finance	5	4
12	VI	6B12ECO	Basic Tools for Economic Analysis-II	6	4
13	VI	6B13ECO	Central Themes in Indian Economy	5	4
14	VI	6B14ECO	Public Economics	6	4
15	VI	6B15ECO	Basic Econometric Analysis	5	4
16	VI	6B16 ECO (Pr)	Project	3	2

TABLE FOR CORE COURSES: BA DEVELOPMENT ECONOMICS PROGRAMME

SL. No	Semester	Course Code	Title of the course	Contact Hour/week	Credits
1	Ι	1B01ECO	Micro Economic Analysis-I	6	5
2	II	2B02ECO	Micro Economic Analysis-II	6	4
3	III	3B03EC0	Macro Economic Analysis-I	5	5
4	III	3B04ECO	International Economics	4	4
5	IV	4B05ECO	Macro Economic Analysis-II	5	4
6	IV	4B06ECO	Environmental Economics	4	4
7	V	5B07ECO	Basic Tools for Economic Analysis-I	6	4
8	V	5B08ECO	Alternative Economics	4	4
9	V	5B09ECO	Research Methods and Techniques for Economic Analysis	4	4
10	V	5B10 DEV ECO	Economics of Development and Planning -I	4	4
11	V	5B11ECO	Economics of Banking and Finance	5	4
12	VI	6B12ECO	Basic Tools for Economic Analysis-II	6	4
13	VI	6B13 DEV ECO	Economics of Development and Planning -II	5	4
14	VI	6B14ECO	Public Economics	6	4
15	VI	6B15ECO	Basic Econometric Analysis	5	4
16	VI	6B16DEV ECO(Pr)	Project	3	2

TABLE FOR COMPLEMENTARY COURSES: BA ECONOMICS/
DEVELOPMENT ECONOMICS PROGRAMME

SL.	Semester	Course	Title of the course	Contact	Credits
No		Code		Hours/week	
1	Ι	1C01ECO	Mathematics for Economic	6	4
			Analysis-I		
2	II	2C02ECO	Mathematics for Economic	6	4
			Analysis-II		
3	III	3C03ECO	Mathematical Economics-I	6	4
4	IV	4C04ECO	Mathematical Economics-II	6	4
5	Ι	1C05ECO	Introductory Economics-I(Non	6	4
			Economics Programes Only)		
6	II	2C06ECO	Introductory Economics-II (For	6	4
			Non Economic Programes Only)		
7	III	3C07ECO	History of Economic Thought-I	6	4
8	IV	4C08ECO	History of Economic Thought-II	6	4
9	1	1C09ECO	Population Studies	6	4
10	II	2C10ECO	Regional Economics	6	4
11	III	3C11ECO	Agricultural Economics	6	4
12	IV	4C12ECO	Gender Economics	6	4

TABLE FOR OPEN COURSES: BA ECONOMICS/ DEVELOPMENT ECONOMICS

SEMESTER-V

Sl.No	Course	Title of the course	Contact	Credits
	Code		Hours/week	
1	5D01ECO	Economics of Travel and Tourism	2	2
2	5D02ECO	Kerala Economy	2	2
3	5D03ECO	Economics of Share Market	2	2
B A ECONOMICS PROGRAMME CORE COURSE STRUCTURE

Sl. No	Course Code	Name of the paper	Semester in which the paper is offered	Credits for each paper	Contact hours per week	Examina tion Time	Marks
1	1B01ECO	Micro Economic Analysis-I	Ι	5	6	3 hrs	40+10=50
2	2B02ECO	Micro Economic Analysis-II	II	4	6	3 hrs	40+10=50
3	3B03ECO	Macro Economic Analysis-I	Economic Analysis-I III 5		5	3 hrs	40+10=50
4	3B04ECO	International Economics	III	4	4	3 hrs	40+10=50
5	4B05ECO	Macro Economic Analysis-II	IV	4	5	3 hrs	40+10=50
6	4B06ECO	Environmental Economics	IV	4	4	3 hrs	40+10=50
7	5B07ECO	Basic Tools for Economic Analysis-I	V	4	6	3 hrs	40+10=50
8	5B08ECO Alternative Economics		V	4	4	3 hrs	40+10=50
9	5B09ECO	Research Methods and Techniques for Economic Analysis	V	4	4	3 hrs	30+10 ★ + 1 0=50
10	5B10ECO	Development Economics	V	4	4	3 hrs	40+10=50
11	5B11ECO	Economics of Banking and Finance	V	4	5	3 hrs	40+10=50
12	6B12ECO	Basic Tools for Economic Analysis-II	VI	4	6	3 hrs	40+10=50
13	6B13ECO	Central Themes in Indian Economy	VI	4	5	3 hrs	40+10=50
14	6B14ECO	Public Economics	VI	4	6	3 hrs	40+10=50
15	6B15ECO	Basic Econometric Analysis	VI	4	5	3 hrs	40+10=50
	6B16ECO (Pr)	Project	VI	2	3		20+5=25

 \star Computer Practical

B A DEVELOPMENT ECONOMICS PROGRAMME CORE COURSES STRUCTURE

Sl. No	Course Code	Name of the paper	Semester in which the paper is offered	Credits for each paper	Contact hours per week	Exami nation Time	Marks
1	1B01ECO	Micro Economic Analysis-I	Ι	5	6	3 hrs	40+10=50
2	2B02ECO	Micro Economic Analysis-II	II	4	6	3 hrs	40+10=50
3	3B03EC0	Macro Economic Analysis-I	Analysis-I III 5		5	3 hrs	40+10=50
4	3B04ECO	International Economics	III	4	4	3 hrs	40+10=50
5	4B05ECO	Macro Economic Analysis-II	IV	4	5	3 hrs	40+10=50
6	4B06ECO	Environmental Economics	IV	4	4	3 hrs	40+10=50
7	5B07ECO	Basic Tools for Economic Analysis-I	V	4	6	3 hrs	40+10=50
8	5B08ECO	Alternative Economics	V	4	4	3 hrs	40+10=50
9	5B09ECO	Research Methods and Techniques for Economic Analysis	V	4	4	3 hrs	30+10 ★ + 1 0=50
10	5B10DEV ECO	Economics of Development and Planning -I	V	4	4	3 hrs	40+10=50
11	5B11ECO	Economics of Banking and Finance	V	4	5	3 hrs	40+10=50
12	6B12ECO	Basic Tools for Economic Analysis-II	VI	4	6	3 hrs	40+10=50
13	6B13DEV ECO	Economics of Development and Planning -II	VI	4	5	3 hrs	40+10=50
14	6B14ECO	Public Economics	VI	4	6	3 hrs	40+10=50
15	6B15ECO	Basic Econometric Analysis	VI	4	5	3 hrs	40+10=50
	6B16DEV ECO(Pr)	Project	VI	2	3		20+05=25

★Computer Practical

B A ECONOMICS/DEVELOPMENT ECONOMICS PROGRAMME COMPLEMENTARY COURSES

Sl. No	Course Code	Name of the paper	Semester in which the paper is offered	Credits for each paper	Contact hours per week	Exami nation Time	Marks
1	1C01ECO	Mathematics for Economic Analysis-I	Ι	4	6	3 hrs	40+10=50
2	2C02ECO	Mathematics for Economic Analysis-II	II	4	6	3 hrs	40+10=50
3	3C03ECO	Mathematical Economics-I	III	4	6	3 hrs	40+10=50
4	4C04ECO	Mathematical Economics-II	IV	4	6	3 hrs	40+10=50
5	1C05ECO	Introductory Economics-I(Non Economics Programes Only)	Ι	4	6	3 hrs	40+10=50
6	2C06ECO	Introductory Economics-II(For Non Economic Programes Only)	II	4	6	3 hrs	40+10=50
7	3C07ECO	History of Economic Thought-I	III	4	6	3 hrs	40+10=50
8	4C08ECO	History of Economic Thought-II	IV	4	6	3 hrs	40+10=50
9	1C09ECO	Population Studies	Ι	4	6	3 hrs	40+10=50
10	2C10ECO	Regional Economics	II	4	6	3 hrs	40+10=50
11	3C11ECO	Agricultural Economics	III	4	6	3 hrs	40+10=50
12	4C12ECO	Gender Economics	IV	4	6	3 hrs	40+10=50

B A ECONOMICS/DEVELOPMENT ECONOMICS OPEN COURSES Six open Courses are listed during the V Semester. The Colleges have the freedom to select any one of the Open Courses.

SEMESTER-V

Sl. No	Course Code	Name of the paper	Semester in which the paper is offered	Credits for each paper	Contact hours per week	Exami nation Time	Marks
1	5D01ECO	Economics of Travel and Tourism	V	2	2	2hrs	20+5=25
2	5D02ECO	Kerala Economy	V	2	2	2 hrs	20+5=25
3	5D03ECO	Economics of Share Market	V	2	2	2hrs	20+5=25

B.A.ECONOMICS/DEVELOPMENT ECONOMICS COURSE STRUCTURE UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (Effective from 2014-2015)

A A I	a a i		**		- • /•
Course Code	Course Category	Course Title	Hour	Credit	Examination
					Time
1A01ENG	Common Course	-	5	4	3hrs
	(English)				
1A02ENG	Common Course		4	3	3hrs
	(English)				
1AO7/MAL/HIN/ARB/	Common Course		4	4	3hrs
URD	(Language)				
1B01ECO	Core Course	Micro	6	5	3hrs
		Economic			
		Analysis-1			
IC	Complementary		6	4	3hrs
	Course				

Semester I

B.A.ECONOMICS/DEVELOPMENT ECONOMICS COURSE STRUCTURE UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (Effective from 2014-2015) Semester II

Course Code	Course Category	Course Title	Hour	Credit	Examination Time
2A03ENG	Common Course (English)		5	4	3hrs
2A04ENG	Common Course (English)		4	3	3hrs
2A08/MAL/HIN/ARB/ URD	Common Course (Language)		4	4	3hrs
2B02ECO	Core Course	Micro economic Analysis-11	6	4	3hrs
2C	Complementary Course		6	4	3hrs

B.A.ECONOMICS/DEVELOPMENT ECONOMICS COURSE STRUCTURE UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (Effective from 2014-2015) Semester III

Course Code	Course Category	e Category Course Title		Credit	Examination Time
3A05ENG	Common Course (English)		5	4	3hrs
3A09/MAL/HIN/ARB/ URD	Common Course (Language)		5	4	3hrs
3B03ECO	Core Course	Macroeconomic Analysis-1	5	5	3hrs
3B04ECO	Core Course	International Economics	4	4	3hrs
3C	Complementary Course		6	4	3hrs

B.A.ECONOMICS/DEVELOPMENT ECONOMICS COURSE STRUCTURE UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (Effective from 2014-2015) Semester IV

Course Code	Course Category	Course Title	Hour	Credit	Examination Time
4A06ENG	Common Course (English)		5	4	3hrs
4A10/MAL/HIN/ARB/ URD	Common Course (Language)		5	4	3hrs
4B05ECO	Core Course	Macro economic Analysis-11	5	4	3hrs
4B06ECO	Core Course	Environmental Economics	4	4	3hrs
4C	Complementary Course		6	4	3hrs

B.A.ECONOMICS COURSE STRUCTURE UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (Effective from 2014-2015) Semester V

Course Code	Course Category	Course Title	Hour	Credit	Examination Time
5DECO	Open Course		2	2	2hrs
5B07ECO	Core Course	Basic Tools for Economic Analysis-1	6	4	3hrs
5B08ECO	Core Course	Alternative Economics	4	4	3hrs
5B09ECO	Core Course	Research Methods and Techniques for Economic Analysis	4	4	2hrs+Practicals
5B10ECO	Core Course	Development Economics	4	4	3hrs
5B11ECO	Core Course	Economics of Banking and Finance	5	4	3hrs

B.A. DEVELOPMENT ECONOMICS COURSE STRUCTURE UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (Effective from 2014-2015) Semester V

Course Code	Course	Course Title	Hour	Credit	Examination
	Category				Time
5D ECO	Open Course		2	2	2hrs
5B07ECO	Core Course	Basic Tools for	6	4	3hrs
		Economic Analysis-1			
5B08ECO	Core Course	Alternative	4	4	3hrs
		Economics			
5B09ECO	Core Course	Research Methods	4	4	2hrs+Practicals
		and Techniques for			2ms · r racticals
		Economic Analysis			
5B10DEVECO	Core Course	Economics of	4	4	3hrs
		Development and			
		Planning-1			
5B11ECO	Core Course	Economics of	5	4	3hrs
		Banking and Finance			

B.A.ECONOMICS COURSE STRUCTURE UNDER CHOICE BASED CREDIT SYSTEM (Effective from 2014-2015) Semester VI

Course Code	Course Category	Course Title	Hour	Credit	Examination Time
6B12ECO	Core Course	Basic Tools for Economic Analysis-II	6	4	3hrs
6B13ECO	Core Course	Central Themes in Indian Economy	5	4	3hrs
6B14ECO	Core Course	Public Economics	6	4	3hrs
6B15ECO	Core Course	Basic Econometric Aanalysis	5	4	3hrs
6B16ECO(Pr)	Core Course	Project	3	2	

B.A.DEVELOPMENT ECONOMICS COURSE STRUCTURE UNDER CHOICE BASED CREDIT SYSTEM (Effective from 2014-2015) Semester VI

Course Code	Course Category	Course Title	Hour	Credit	Examination Time
6B12ECO	Core Course	Basic Tools for Economic Analysis-II	6	4	3hrs
6B13DEVECO	Core Course	Economics of Development and Planning-11	5	4	3hrs
6B14ECO	Core Course	Public Economics	6	4	3hrs
6B15ECO	Core Course	Basic Econometric Analysis	5	4	3hrs
6B16 DEVECO (Pr)	Core Course	Project	3	2	



UNIVERSITY

(Abstract)

M A Programme in English Language & Literature Programme under Credit Based Semester System in affiliated colleges – Revised Scheme, Syllabus and Pattern of Question Papers -Implemented with effect from 2016 admission- Orders issued.

ACADEMIC C SECT	TON
UO.No.Acad/C3/ 13141/2014	Civil Station P.O, Dated, 15 -07-2016.
Read: 1. U.O.No.Acad/C1/11460/2013, dated, 12-03-2	014, 05.12.2015 & 22.02.2016
2. U.C of even No. dated 20.10.2014	

2. 0.0 of even No dated 20.10.2014

KANNUR

3. Meeting of the Board of Studies in English(PG) held on 06-05-2016.

4. Meeting of the Board of Studies in English(PG) held on 17-06-2016.

5. Letter dated 27.06.2016 from the Chairman, Board of Studies in English(PG)

ORDER

1. The Regulations for P.G Programmes under Credit Based Semester System were implemented in the University with effect from 2014 admission vide paper read (1) above dated 12.03.2014 & Certain modifications were effected to the same dated 05.12.2015 & 22.02.2016 respectively.

2. As per paper read (2) above, the Scheme, Syllabus & Pattern of question papers for M A Programme in English Language and Literature under Credit Based Semester System in affiliated Colleges were implemented in the University w.e.f. 2014 admission.

3. The meeting of the Board of Studies in English(PG) held on 06-05-2016, as per paper read (3) above, decided to revise the syllabus for M A Programme in English Language and Literature w.e.f. 2016 admission & as per paper read (4) above the Board of Studies finalized and recommended the scheme, syllabus and Pattern of question papers for M A Programme in English Language and Literature for implementation with effect from 2016 admission.

4. As per the paper read (5) above, the Chairman, Board of Studies in English (PG) has forwarded the finalized copy of the Scheme, Syllabus & Pattern of question Papers for M A Programme in English Language and Literature for implementation with effect from 2016 admission.

5.The Vice-Chancellor, after considering the matter in detail, and in exercise of the powers of the Academic Council, as per Section 11 (1) of Kannur University Act, 1996 and all other enabling provisions read together with, has accorded sanction to implement the revised Scheme, Syllabus & Pattern of question Papers for M A Programme in English Language and Literature as recommended by the Board of Studies, under Credit Based Semester System in affiliated colleges with effect from 2016 admission.

6.Orders are therefore issued, implementing the revised Scheme, Syllabus & Pattern of Question Papers for M A Programme in English Language and Literature under Credit Based Semester System in affiliated Colleges with effect from 2016 admission, subject to report to the Academic Council.

7. The implemented Scheme, Syllabus & Pattern of Question Papers are appended here with.

Sd/-

JOINT REGISTRAR (ACADEMIC)

For Registrar

To:

The Principals of Affiliated Colleges Offering MA English Language and Literature Programme. Copy to:

1.The Examination Branch

2. The Chairman, Board of Studies in English (PG)

3. PS to VC/PA to PVC/PA to Registrar/PA to CE.

4. JR/AR-I (Academic).

5.The Computer Programmer (with a request to upload the Website)6. SF/DF/FC

Forwarded /By Order OFFICER SECTIO

· For more details log on to www kannur university.ac.in

APPENDIX TO U.O.NO.ACAD/C3/13141/2014 DATED 15.07.2016



KANNUR UNIVERSITY

M. A. PROGRAMME IN ENGLISH LANGUAGE AND LITERATURE

CREDIT BASED SEMESTER SYSTEM IN AFFILIATED COLLEGES

REVISED SCHEME & SYLLABUS

2016 ADMISSION ONWARDS

M. A. PROGRAMME IN ENGLISH LANGUAGE AND LITERATURE (CCSS) REVISED SYLLABUS – 2016 ADMISSION ONWARDS (To be followed in the affiliated colleges under Kannur University)

SEMESTER 1—Four Core Courses and one Elective (select one among three)

			Internat	External	Total	Credit	Hours
	ENG 1C01	British Literature: Chaucer to Seventeenth Century	20	80	100	4	5
	ENG 1C02	British Literature: Eighteenth Century	20	80	100	4	5
	ENG 1C03	Literary Criticism	20	80	100	4	5
Ι	ENG 1C04	History and Structure of English Language	20	80	100	4	5
	ENG 1E01	Elective (Choose one among three) Malayalam Literature in Translation Media Studies	20	80	100	4	5
	ENG 1E02 ENG 1E03	English Language Teaching	100	400	500	20	25

SEMESTER 2—Three Core Courses and one Elective (select one among three)

Semester	Course Code	Title	Internal	External	Total	Credit	Hours
	ENG 2C05	Literature of the Romantic Period	20	80	100	4	7
	ENG 2C06	Literature of the Victorian Period	20	80	100	4	7
	ENG 2C07	Modern Literary Theory	20	80	100	4	6
тт		Elective (Choose one among three)					
11	ENG 2E04	Translation Studies	20	80	100	4	5
	ENG 2E05	World Drama	20				
	ENG 2E06	Dalit Writings					
	TOTAL		80	320	400	16	25

Semester	Course Code	Title	Internal	External	Total	Credit	Hours
Semester							
III	ENG 3C 08	Twentieth Century British	20	80	100	4	6
		Literature	20	80	100	4	0
	ENG 3C09	Linguistics	20	80	100	4	4
	ENG 3C10	Indian Writing in English	20	80	100	4	5
	ENG 3C11	American Literature	20	80	100	4	6
		Elective (Choose one among three)					
	ENG 3E07	Introduction to Cultural Studies					
	ENG 3E08	European Fiction	20	80	100	4	4
	ENG 3E09	Introduction to Comparative					
		Literature					
	TOTAL		100	400	500	20	25

SEMESTER 3—Four Core Courses and one Elective (select one among three)

SEMESTER 4—Six Core Courses including Project Work and Viva-voce

Semester	Course Code	Title	Internal	External	Total	Credit	Hours
	ENG 4C 12	Postcolonial Writings	20	80	100	4	6
IV	ENG 4C 13	Women's Writing	20	80	100	4	6
	ENG 4C 14	Film Studies	20	80	100	4	6
	ENG 4C 15	Comprehension	20	80	100	4	4
	ENG PR 16	Project	20	80	100	4	3
	ENG 4C 17	Viva-Voce	00	100	100	4	0
	TOTAL		100	500	600	24	25

Details of Marks, Credit and Hours

380 (Maximum 20 marks for a course. Test Paper: 5
Marks; Assignment: 5 Marks; Seminar/Viva: 5 Marks
Attendance: 5 Marks)
Comprehension Course Internal (20 marks oral test)
1620
2000
80
25 per week

KANNUR 🏁 UNIVERSITY

(Abstract)

(MCJ) Master of Communication and Journalism Programme - under Credit Based Semester System in Affiliated Colleges -Revised Scheme, Syllabus & Model Question Papers- Implemented with effect from 2016 Admission - Orders issued.

U.O No. Acad/C1/10822/2014

ACADEMIC C SECTION

Civil Station (PO), Dated, 11-07-2016

- Read: 1. U.O.No.Acad C1/11460/2013 dtd 12-03-2014
 - 2. U.O.of even No dtd 29-08-2014

3. U.O.No.Acad C1/11460/2013 dated 05-12-2015 & 22-02-2016

 Minutes of the meeting of the Board of Studies in Journalism & Mass Communication(Cd) held on 25-02-2016

5. U.O. of even No dtd 31-03-2016

6. Letter dated 27-06-2016 from the Chairman, Board of Studies in Journalism & Mass Communication(Cd)

ORDER

1. The Regulations for Credit Based Semester System for P.G. Programmes in affiliated Colleges were implemented in the University with effect from 2014 admission vide paper read (1) above and certain modifications were effected to the same vide paper read (3) above.

2. As per the paper read (2) above, the Scheme, Syllabus & Model Question papers for Master of Communication and Journalism (MCJ) Programme were implemented in the University under Credit Based Semester System .w.e.f. 2014 admission.

3. As certain anomalies were reported in the existing MCJ Syllabus implemented w.e.f 2014 admission and since the question paper setting of 2014 admission 3rd Sem and 2015 admission Ist Semester was over, the BOS vide paper read (4) above, decided to follow the existing Syllabus for 2014 & 2015 admission and the above decision of the board was implemented vide paper read (5) above. The Board of Studies also decided to revise the Syllabus w.e.f 2016 admission in the light of decision of the meeting and approved the restructured Syllabus by correcting the anomalies to be implemented w.e.f.2016 admission.

4. The Chairman Board of Studies in Journalism & Mass Communication (Cd) vide paper read (6) above has forwarded the revised Scheme, Syllabus and Model Question paper for Master of Communication and Journalism (MCJ) Programme for implementation with effect from 2016 admission.

5. The Vice Chancellor after considering the matter in detail, and in exercise of the powers of the Academic Council conferred under section 11 (1) of Kannur University Act 1996 and all other enabling provisions read together with has accorded sanction to implement the revised Scheme ,Syllabus and Model Question papers as recommended by the Board of Studies in Journalism and Mass Communication (Cd) under Credit Based Semester System in affiliated Colleges with effect from 2016 admission, subject to report to the Academic Council.

Sd/-

6.Orders are, therefore, issued accordingly.

7. The revised Scheme, Syllabus and Model Question Papers w.e.f 2016 admission are appended.

JOINT REGISTRAR (ACADEMIC) For REGISTRAR \ To The Principals of Colleges offering MCJ Programmes Copy to: 1. The Examination Branch (through PA to CE). orwarded /By Order 2. The Chairman BOS in Mass Communication & Journalism -670 007 3. SF/DF/FC. SECTION OFFICER For more details; log on www.kannur university .ac.in



REVISED SCHEME AND SYLLABUS FOR

PG PROGRAMME IN

Master of Communication and Journalism (MCJ)

UNDER CREDIT BASED SEMESTER SYSTEM

KU CBSS-PG-2014

FOR

AFFILIATED COLLEGES UNDER KANNUR UNIVERSITY

From 2016 ADMISSION onwards

Prepared and offered by: Board of Studies of Journalism and Mass Communication, Kannur University

MCJ Programme SYLLABUS for Affiliated Colleges in Kannur University w.e.f 2016

Master of Communication and Journalism

The syllabi of MCJ programme offered in the affiliated colleges of the university under semester system have been revised in the light of the decision of the meeting of the Board of studies, Journalism and Mass Communication held on 25/02/2016. The revised syllabi shall apply to MCJ programmes conducted by the affiliated colleges of Kannur university with effect from the academic year 2016-17 (2016 admission onwards) and regulations of PG Programme of Kannur University (KUCBSS -PG-2014) revised No: Acad/C1/11460/2013 Dated 12/03/2014 and U.O. the order No.Acad/C1/11460/2013 Dated 05/12/2015 and 22.02.2016 shall be applicable to the MCJ Programme implemented w.e.f. 2016 admission.

I. <u>Programme structure:</u>

No	Core / Elective	Course	Title of the Course	Hours allotted	Credits	ts Marks			
		Code		per week		CA	ESE	Total	
1	Core	MCJ 1C 01	Introduction to Mass Communication	06	04	15	60	75	
2	Core	MCJ 1C 02	Reporting for Newspapers	06	04	15	60	75	
3	Core	MCJ 1C 03	Editing for Newspapers	06	04	15	60	75	
4	Core	MCJ 1C 04	Television Production	07	04	15	60	75	
		Total		25	16	60	240	300	

I Semester - from June to October

II Semester - from November to March

No	Core / Elective	Course	Title of the Course	Hours allotted	Credits	Marks		
		Code		per week		CA	ESE	Total
1	Core	MCJ 2C 05	Media Laws and Ethics	04	04	15	60	75
2	Core	MCJ 2C 06	Magazine Journalism	04	04	15	60	75
3	Core	M CJ 2C 07	Communication Theories	04	04	15	60	75
4	Core	MCJ 2C 08	Radio Production	04	04	15	60	75
5	Elective**	MCJ 2E 01	Photo Journalism					
6	Elective**	MCJ 2E 02	Travel Journalism	04	04	15	60	75
7	Elective**	MCJ 2E 03	Health Communication					
8	Practical – I	MCJ 2 P 01	Newspaper production , Video production, Magazine production and Radio production	05	02	10 (2.5+2.5+2.5+2.5)	40 (10+10+10+10)	50
		Total		25	22	85	340	425

****** Select one elective from this group

III Semester -from June to October

No	Core / Elective	Course	Title of the Course	Hours allotted	Credits		Marks	
		Code		per week		CA	ESE	Total
1	Core	MCJ 3C 09	Public Relations and Corporate Communication	05	04	15	60	75
2	Core	MCJ 3C 10	Advertising	05	04	15	60	75
3	Core	MCJ 3C 11	Mass communication Research	05	04	15	60	75
4	Core	MCJ 3C 12	Television Journalism	05	04	15	60	75
5	Elective**	MCJ 3E 04	Indian Politics and Communication					
6	Elective**	MCJ 3E 05	Agricultural Journalism					
7	Elective**	MCJ 3E 06	Business Journalism	05	04	15	60	75
8	Elective**	MCJ 3E 07	Development Communication					
		Total		25	20	75	300	375

****** Select one elective from this group

IV Semester- from November to March

No Core / Elective		Course	Title of the Course	Hours allotted	Credits		Marks	
		Code		per week		CA	ESE	Total
1	Core	MCJ 4C 13	Introduction to Cinema	05	04	15	60	75
2	Core	MCJ 4C 14	New Media and Online Journalism	05	04	15	60	75
3	Elective**	MCJ 4E 08	Technical Writing					
4	Elective**	MCJ 4E 09	Fashion Communication	05	04	15	60	75
5	Elective**	MCJ 4E 10	Sports Journalism					
6	Practical – II	MCJ 4P 02	PSA production, TV News bulletin production and Short film production	05	02	10 (2.5+2.5+5)	40 (10+10+20)	50
7	Project	MCJ 4Pr	Dissertation	- 05	03	10	40	50
			Internship*		02	25	-	25
8	Viva Voce	MCJ 4 C 15	Viva Voce		03		50	50
		Total		25	22	90	310	400

****** Select one elective from this group

*Marks for internship should be allotted by the HOD

- a. Total marks for semester I -300
- b. Total marks for semester II- 425
- c. Total marks for semester III- 375
- d. Total marks for semester IV- 400
- e. Total marks for semester I to IV- 1500

II. Practicals

Practical –I

MCJ 2 P 01 Newspaper production, Video production, Magazine production and Radio production.

1. Lab Newspapers: 5 Marks

Each student shall submit five single-page printed A3-size lab-newspapers either in Malayalam or in English, prepared as part of reporting assignments within the semester, to be evaluated by external examiners.

2. Newspaper Front Page: 5 Marks

Each student shall edit and design the front page of an A3-size newspaper either in Malayalam or in English, with the stories given by the external examiners.

3. Video production: 10 Marks

Students, divided into teams of four members each, shall produce a video of their choice without dialogue limited to five minutes, during the semester and submit it for external valuation.

4. Magazine production: 10 Marks

Students shall be divided into teams of five members each, to bring out a printed multi-color 32-page-magazine either in Malayalam or in English, reported, subbed and designed by them during the semester. It shall be submitted for external valuation.

5. Radio production: 10 Marks

Each student shall produce a seven minutes radio feature / documentary on a topic and submit it for external valuation.

Practical-II

MCJ 4P 02 PSA production, TV News bulletin production and Short film production

1. PSA production: 10 Marks

Each student shall produce a Public Service Advertisement (PSA) in print/ audio/ visual format and submit it for external valuation.

2. TV News bulletin production: 10 Marks

Students either in groups of 4-5 or individually shall report, edit and present a news bulletin either in Malayalam or in English and submit it for external valuation. The duration of a solo news bulletin shall be seven minutes while for group productions it will be 25 minutes.

3. Short film production: 20 Marks

Students divided into teams of four or five members each shall produce either a documentary or a short film of 15-minutes, in Malayalam or English, within the semester and submit it for external valuation.

III. Dissertation:

In the fourth semester each student shall submit a dissertation on any topic of his/her interest. The dissertation aims at introducing the students with research methodology and to prepare them for doing further research .Students are required to do a dissertation on a topic relating to an area of study chosen in consultation with the faculty. Each student shall be guided in his/her project by a member of the faculty.

IV. VIVA<u>:</u>

A Viva Voce examination will be conducted at the end of IV semester covering the whole programme including the project.



UNIVERSITY

M.Com. Programme under Credit Based Semester System in affiliated Colleges- Revised Scheme, Syllabus & Model Question Papers- Implemented with effect from 2014 admission- Orders issued.

ACADEMIC BRANCH

U.O.No.Acad/C1/6898 /2014

A CONSIGNORS

Dated, Civil Station. P.O. 8-7-2014

Read: 1. U.O.No.Acad C1/11460/2013 dated 12-03-2014.

KANNUR

2.Minutes of the meeting of the Board of Studies in Commerce (PG) held on 10-12-2013
3.Minutes of the meeting of the Faculty of Commerce and Management Studies held on 28-03-2014
4.Letter dated 3-06-2014 from the Chairman, Board of Studies in Commerce (PG)

ORDER

- 1. As per the paper read (1) above, the Revised Regulations for P.G. Programmes under Credit Based Semester System (CBSS) have been implemented in this University w.e.f 2014
- The Board of Studies in Commerce PG vide paper read (2) above, finalized the Scheme Syllabus and Model Question Papers for M.Com Programme under Credit Based Semester System with effect from 2014 admission.
- 3. As per the paper read (3) above the meeting of Faculty of Commerce and Management Studies approved the Scheme, Syllabus and Model question papers for M.Com Programme w.e.f.2014 admission.
- The Chairman, Board of Studies in Commerce (PG) as per letter cited (4) has forwarded the Scheme, Syllabus and Model Question Papers for M.Com Programme for implementation with effect from 2014 admission.
- 5. The Vice Chancellor after considering the matter in detail and in exercise of the powers of Academic Council conferred under section 11 (1) of Kannur University Act 1996 and all other enabling provisions read together with has accorded sanction to implement Scheme, Syllabus and Model Question Papers for M.Com Programmes under Credit Based Semester System(CBSS) with effect from 2014 admission subject to report Academic Council.
- 6. Orders are, therefore, issued accordingly.
- 7. The Implemented Scheme, Syllabus and Model Question Papers are appended.

Sd/-

DEPUTY REGISTRAR(Academic) FOR REGISTRAR

To

The Principals of Colleges offering M.Com Programme

(PTO)

Copy To:

St

The Examination Branch (through PA to CE)
 PS to VC
 PA to Registrar
 PA to CE

5.PA to FO 6. DR (Acad) 7.AR I (Acad) 8.Chairman,BOS in History (PG) 9.SF/DF/FC



Approved for Issue

Section Officer

Gerra

*For more details; log on www.kannur university.ac.in

-1-

KANNUR UNIVERSITY

U.O.No.Acad/C1/6898/2014 Dated, 8-07-2014

SYLLABUS FOR THE POST GRADUATE DEGREE PROGRAMME IN COMMERCE (M.Com) UNDER CREDIT BASED SEMESTER SYSTEM (CBSS-PG) FOR AFFILIATED COLLEGES IMPLEMENTED WITH EFFECT FROM 2014-15 ACADEMIC YEAR

> Submitted to THE KANNUR UNIVERSITY

PG BOARD OF STUDIES COMMERCE

COURSES FOR M.COM

Semester	Course	Title	Marks			
	Code		Internal	External	Total	Credit
	COM1C01	Business Environment & Policy	15	60	75	4
	COM1C02	Quantitative Techniques & Operation Research	15	60	75	4
Ι	COM1C03	Management Information System	15	60	75	4
	COM1C04	Organizational Behaviour	15	60	75	4
	COM1C05	Accounting for Business Decisions	15	60	75	4
	Total		75	300	375	20
	COM2C06	Strategic Management	15	60	75	4
	COM2C07	Research Methodology & Computer Application	15	60	75	4
II	COM2C08	Costing for Management Decisions	15	60	75	4
	COM2C09	Advanced Business Accounting	15	60	75	4
	COM2C10	Financial Management	15	60	75	4
	Total		75	300	375	20
	COM3C11	Marketing Management	15	60	75	4
	COM3C12	Corporate Accounting	15	60	75	4
III	COM3C13	Income Tax Law & Practice	15	60	75	4
	COM3C14	Wealth Tax & Indirect Taxes	15	60	75	4
	COM3C15	Human Resource Management	15	60	75	4
	Total		75	300	375	20
Elective A. Finance	COM4E01	Security Analysis & Portfolio Management	15	60	75	4
	COM4E02	International Financial Management	15	60	75	4
	COM4E03	Financial Markets & Services	15	60	75	4
IV	COM4E04	Corporate Tax Planning & Management	15	60	75	4
	COM4Pr	Project Report/Dissertation			25	2
	COM4C16	Viva-Voce			50	2
Grand Total	Total		60	240	375 1500	20 80

(Continued in Page-2)

-3-

Page-2

Elective B. Marketing	COM4E05	Consumer Behavior	15	60	75	4
IV	COM4E06	Advertising & Sales	15	60	75	4
		Management				
	COM4E07	Services Marketing	15	60	75	4
	COM4E08	Logistics Management	15	60	75	4

Elective C.	COM4E09	International Business	15	60	75	4
International		Environment				
Business						
	COM4E10	Foreign Trade Management	15	60	75	4
IV	COM4E11	International Banking	15	60	75	4
	COM4E12	International Marketing	15	60	75	4

KANNUR UNIVERSITY

(Abstract)

12

M.Sc Computer Science Programme – Scheme, Syllabus and Model Question Papers – Core / Elective Courses under – Credit Based Semester System – Affiliated Colleges - Implemented with effect from 2014 admission - Orders issued.

ACADI	EMIC BRANCH
U.O.No.Acad/C4/12581/2014	Dated: Civil Station P.O, 20-10-2014
Read:- 1. 11 O No Acad C1/11460/2013 dat	ad 12 02 2014

2. Minutes of the meeting of the Board of Studies in Computer Science PG held on 16/07/2014.

3. Minutes of the meeting of the Faculty of Technology held on 01/04/2014.

4.Letter dated 29/09/2014 from Dr. Raju Chairman, Board of Studies in Computer Science (PG)

ORDER

1.Revised Regulations for Credit Based Semester System for PG Programmes in affiliated Colleges have been implemented in this University with effect from 2014 admission vide paper read (1) above.

2. The Board of Studeis in Computer Science (PG) vide paper read (2) above, has finalized the Scheme, Syllabus and Model Question papers for M.Sc Computer Science under Credit Based Semester System with effect from 2014 admission.

3. As per paper read (3) above, the meeting of Faculty of Technology, approved the Scheme, Syllabus and Model Question papers for M.Sc Computer Science with effect from 2014 admission.

4. The Chairman, Board of Studies in Computer Science (PG) vide paper (4) above, has forwarded the Scheme, Syllabus and Model Question papers for M.Sc Computer Science for implementation with effect from 2014 admission.

5.The Vice Chancellor, after considering the matter in detail, and in exercise of the power of the Academic Council, conferred under Section 11 (1) of Kannur University Act, 1996 and all other enabling provisions read together with, has accorded sanction to implement the Scheme, Syllabus and Model Question Papers (Core/Elective Courses) for M.Sc Computer Science Programme in affiliated Colleges Under Credit Based Semester System with effect from 2014 admission subject to report Academic Council.

6. Orders are, therefore issued accordingly.

7. The implemented Scheme, Syllabus and Model Question Papers are appended.

Sd/-DEPUTY REGISTRAR (Acad) For REGISTRAR

То

The Colleges offering M.Sc Computer Science Programme. Copy to: 1.The Examination Branch Through (PA to CE) 2.The Chairman, Board of Studies in Computer Science (PG) 3.PS to VC/PA to R/PA to CE 4.DR/AR-1 Academic

Forwarded/ by Order

SECTION OFFICER

KANNUR UNIVERSITY M Sc COMPUTER SCIENCE

(Credit Based Semester System) Regulations, Curricula, Syllabus and Scheme of Evaluation

(With Effect from 2014 admission)

REGULATIONS

- **1. Duration** of the M. Sc. (Computer Science) programme shall be 2 years, divided into 4 semesters. Each semester shall have 90 working days. The maximum period of completion is eight semesters (4 years).
- **2.Eligibilityfor admission:**As announced by the University from time to time.

3. Programme Structure

- 3.1 **Attendance:** The minimum attendance required for each course shall be 75% of the total number of classes conducted for that semester. Those who secure the minimum attendance in a semester alone will be allowed to register for the End Semester Examination. Condonation of shortage of attendance may be granted as per Kannur University PG regulation.
- 3.2 *Credits:* The total minimum credits, required to complete M. Sc. Computer Science programme is 80 in which minimum credits required for core (including practical and project) courses is 60 and for Elective courses is 12.

3.3 Theory and Practical courses

The evaluation scheme for each Theory and Practical courses except MCS3C16 Research Methodology shall contain two parts; (a) Continuous Assessment (CA) and (b) End Semester Evaluation (ESE). 20% marks shall be given to CA and the remaining 80 % to ESE. For MCS3C16 Research methodology the evaluation is 100% internal and shall follow the distribution applicable to theory CA.

CONTINUOUS ASSESSMENT (CA)

Theory : The components of theory evaluation are as follows:

	COMPONENTS	% OF MARKS
i	Test papers	40%
ii	Assignment	20%
iii	Case Study / Seminar / Viva	20%
iv	Attendance	20%

- i. *Test Papers*: There shall be a minimum of two test papers to be conducted for each course. If more than two test papers are conducted, then two best scores shall be taken for the award of IA marks. The dates of test papers shall be announced well in advance and the marks should be displayed in the notice board.
- ii. *Assignments:* One or more assignments (including practical assignments) shall be given for each course. The mode of assessment of the assignments shall be decided by the faculty concerned with due approval from the department council and shall be declared at the beginning of the semester. (It is suggested that to the extent possible, give individual assignments and also conduct short viva based on the assignment submitted).
- iii. *Case study / Seminar / viva*: The faculty with due approval from the department council shall choose one or more from this category, depending on the nature of subject and the mode of assessment is to be declared at the commencement of the semester. For seminar, topics outside but related to thesyllabus shall be chosen.
- iv. *Attendance* :

Attendance	% of Marks for attendance
>=90	100
85 to 89	80
80 to 84	60
76 to 79	40
75	20

Practical :The Components of CA for practical courses except Case study I and II are as follows:

	COMPONENTS	% OF MARKS
i	Lab Test (Minimum one)	20%
ii	Completion of the list of Lab	20%
	assignments prescribed by the	
	faculty	
iii	Periodical assessment of Lab	40%
	assignments through execution	
	of programs and viva	
iv	Attendance (Mark distribution is	20%
	same as that of theory)	

For Case study I and II :

	COMPONENTS	% OF MARKS
i	Periodical viva / short quizzes / short programming assignments to evaluate the basic knowledge/understanding of the tool.	30%
ii	Coding – Logic, Selection of appropriate constructs / features of the Tool, Style etc.	30%
iii	Execution of the case study - output	20%
iv	Viva based on case study	20%

Note :All the records in respect of Continuous Assessment (CA) must be kept in the department and must be made available for verification by university. The results of the CA shall be displayed on the notice board within 5 working days from the last day of a semester. It should be get signed by the candidates. The marks awarded for various components of the CA shall not be rounded

off, if it has a decimal part. The total marks of the CA shall be rounded off to the nearest whole number.

END SEMESTER EVALUATION (ESE):

There shall be double valuation system of answer books. The average of two valuations shall be taken in to account. If there is a variation of more than 10% of the maximum marks, the answer books shall be valued by a third examiner. The final marks to be awarded shall be the average of the nearest two out of three awarded by the examiners. After that there shall be no provision for revaluation

Pattern of questions: Questions shall be set to assess knowledge acquired, standard application of knowledge, application of knowledge in new situations, critical evaluation of knowledge and the ability to synthesize knowledge. Question paper for end semester theory examination shall consist of:

- i. Short answer type : 12 questions of which 10 to be answered. $10 \ge 3 = 30$ marks,
- ii. Essay type: 5 questions (one either –or question from each module) x 10 marks = 50 marks

End Semester Evaluation in Practical courses shall be conducted and evaluated by two examiners- one internal and one external. Details of scheme of evaluation of ESE practical courses are given along with respective syllabus.

3.4 Project: A project work has to be undertaken by all students. The project can be software development following all or some of the software development lifecycle or an R&D project. The hours allotted for project work may be clustered into a single slot so that students can do their work at a centre or location for a continuous period of time. The Major project work should be carried out in the Department /Institution or in alevel Industry / R & D organization of national repute. Project work shall be carried out under the supervision of a Teacher. If the project is carried out in an Industry / R & D organization outside the campus, then a co-guide shall be selected from the concerned organization. If the project work is of interdisciplinary in nature, a co-guide shall be taken from the other department concerned. Every student should do the Project individually and no grouping is allowed. All the candidates are required to get the approval of their synopsis and the guide before commencement of the project from the Department. A coguide should be a postgraduate in CS or allied subject or a person of eminence in the area in which student has chosen the project. At the end of the semester the candidate shall submit the Project report (two bound copies and one soft copy) duly approved by the guide and co-guide for End Semester Evaluation. The project report shall be prepared according to the guidelines approved by the University.

Evaluation of Project:

- *i.* A Departmental committee duly constituted by the Head of the Department will review the project periodically.
- *ii.* **Continuous Assessment of project work**: There shall be three internal presentations before the committee (Minimum two members, including the guide). The assessment is based on presentation, interim report and viva voce. The total mark for CA shall be divided among the three presentations in the ratio 20%:30%:50%.Each internal presentation shall be evaluated based on the following components:

Component	% of marks
Understanding of the	25
problem / concepts	25
Adhering to	20
methodology.	20
Quality of presentation	
and demonstration	15
(Demonstration is	13
optional)	
Quantum of work /	20
effort	50
Organization and	
content of mid-term	10
report	

iii. End Semester Assessment of Project: A board of two examiners appointed by the University shall conduct ESE evaluation. The evaluation shall be based on the report, presentation of the work, demonstration of the work (optional) and a detailed viva voce based on the work carried out. A candidate will not be permitted to attend the Project evaluation without duly certified project reports. Also a project will be evaluated only if the candidate attend the ESE presentation and Viva voce on the scheduled date and time. A board shall evaluate a maximum of 10 candidates in a day. The ESE evaluation shall consist of the following components:

Component	% of marks
Understanding of the	
problem/requirements/ concepts related to	15
the project	
Adhering to methodology (Software	
engineering phases or research	
methodology) and the candidates	15
understanding of the components of	
methodology	
Quality of Modeling of the problem and	
solution/ database design / form design /	
reports / testing (For research projects -	
relevance /novelty of the work(s)/ use of	20
data/ proposal of new models /analysis of	
algorithms/ comparison and analysis of	
results /findings)	
Quality of presentation / demonstration	15
Quantum of work / effort - assessed	
through the content of report, presentation	25
and viva.	
Organization and content of report	10

- *iv.* A student shall be declared to pass in the Project report course if she/he secures minimum 40 % marks of the aggregate and 40% separately for external.
- *v*. If a candidate fail in the evaluation of Project, he/she has to repeat the project course along with the next batch and undergo both CA and ESE. *Unlike theory/practical courses, the CA mark will not retained.*
- vi. There shall be no improvement chance for the marks obtained in the Project course.
- **3.5 Seminar:** Each student shall select a relevant topic, prepare a seminar report and give a presentation (30 to 45 minutes), under the guidance of a faculty member. The evaluation of seminar

is 100% internal and components and mode of evaluation shall be formulated by the department council (May include components like content, Presentation, interaction and structure of report).

3.6 VIVA VOCE: A general Viva Voce covering all courses in the Programme shall be conducted in the fourth semester. The Viva voce shall be conducted by two external examiners. The Viva voce *shall not be clubbed* with the project evaluation. The details of the mode of conduct and evaluation of Viva Voce shall be decided by the BOE.

4. GRADING SYSTEM

Seven Point Indirect Relative grading system:

Evaluation(both internal and external) is carried out using Mark system .The grading on the basis of a total internal and external marks will be indicated for each course and for each semester and for the entire programme.

% of Marks (CA+ESE)	Grade	Interpretation	Range of grade points	Class
90 and above	0	Outstanding	9-10	First class with
80 to below 90	A	Excellent	8-8.9	Distinction
70 to below 80 B		Very good	7-7.9	First class
60 to below 70	с	Good	6-6.9	
50 To below 60	To below 60 D Satisfactory 5-5.9		5-5.9	Second class
40 to below 50	E	Pass/Adequate	4-4.9	Pass
Below 40	F	Failure	0-3.9	Fail

The guidelines of grading is as follows-

S.G.P.A = SUM OF CREDIT POINTS OF ALL COURSES IN THE SEMESTER TOTAL CREDITS IN THAT SEMESTER

CREDIT POINT = GRADE POINT (G) X CREDIT (C)

C.G.P.A = <u>Sum of credit points of all completed semesters</u> Total credits acquired

$OGPA = \frac{Sum of \ credit \ points \ obtained \ in \ four \ semesters}{Total \ credits \ (80)}$

PASS REQUIREMENT:

COURSE:

A CANDIDATE SECURING E GRADE WITH 40% OF AGGREGATE MARKS AND 40% SEPARATELY FOR ESE FOR EACH COURSE SHALL BE DECLARED TO HAVE PASSED IN THAT COURSE. SEMESTER

Those who secure not less than 40 % marks (both ESE and CA put together) for all the courses of a semester shall be declared to have successfully completed the semester.

The marks obtained by the candidates for CA in the first appearance shall be retained (irrespective of pass or fail)

The candidates who fail in theory unit shall reappear for theory unit only, and the marks secured by them in practical unit, if passed in practical, will be retained.

A candidate who fails to secure a minimum for a pass in a course will be permitted to write the same examination along with the next batch.

For the successful completion of a semester, a candidate should pass all courses and secure a minimum SGPA of 4. However a student is permitted to move to the next semester irrespective of his/her SGPA. A student will be permitted to secure a minimum SGPA of 4.00 required for the successful completion of a Semester or to improve his results at ESE of any semester, by reappearing for the ESE of any course of the semester concerned, along with the examinations conducted for the subsequent admission

IMPROVEMENT:

A candidate who secures minimum marks (40 %) for a pass in a course will be permitted to write the same examination along with the next batch if he/she

desires to improve his/her performance in ESE. If the candidate fails to appear for the improvement examination after registration, or if there is no change/up gradation in the marks after availing the improvement chance, the marks obtained in the first appearance shall be retained. There shall be no improvement chance for the marks obtained in internal assessment. Improvement of a particular semester can be done only once. The student shall avail the improvement chance in the succeeding year along with the subsequent batch.

There will be no supplementary examinations. For re-appearance/ improvement student can appear along with the next batch.

KANNUR UNIVERSITY M Sc COMPUTER SCIENCE

Course Structure and Scheme of Evaluation (From 2014 Admission) (CBSS- For affiliated Colleges)

CREDIT DISTRIBUTION

Semester	Core	Elective	Practical	Project	Total
1	17	0	3	0	20
2	16	0	5	0	21
3	13	3	5	0	21
4	2	9	0	7	18
Total	48	12	13	7	80

COURSE STRUCTURE

SEMESTER 1

Course Code	Course title	Instructional Hrs/week			MARKS			Credit
		L	Р	Т	СА	ESA	TOT AL	
MCS1C01	Discrete Mathematics	3	0	1	20	80	100	3
MCS1C02	Computer Organization and Architecture	3	0	1	20	80	100	3
MCS1C03	Digital Systems and Microprocessors	4	0	0	20	80	100	4
MCS1C04	Operating Systems	3	0	1	20	80	100	3
MCS1C05	Introduction to Programming	4	0	0	20	80	100	4
MCS1P01	MCS1P01 Lab – I (IP/OS)		8	2	20	80	100	3
	Total	17	8	5	120	480	600	20
Course			Instructional Hrs/week			MARKS		
-----------------	---	----	---------------------------	---	-----	-------	-----------	----
Coue	Course the	L	Р	Т	CA	ESA	TOT AL	
MCS2C06	Java Programming		0	0	20	80	100	3
MCS2C07	Data Structures& Algorithms		0	0	20	80	100	3
MCS2C08	Database Management Systems		0	0	20	80	100	3
MCS2C09	Computer Networks	3	0	0	20	80	100	3
MCS2C10	Formal Languages and Finite Automata		0	0	20	80	100	3
MCS2P02	Lab – II (Java/DS/DBMS)	0	7	1	20	80	100	3
MCS2P03	Case Study I	0	3	2	10	40	50	2
MCS2C11 Seminar		0	0	2	50	0	50	1
	Total	15	10	5	180	520	700	21

SEMESTER 2

SEMESTER 3

Course Code Course title		Instructional Hrs/week			MARKS			Credit	
	Cout	Course the	L	Р	Т	CA	ESA	TOT AL	
N	ACS3C12	Computer Graphics	3	0	0	20	80	100	3
N	MCS3C13 System Programming & Compiler Design		3	0	0	20	80	100	3
MCS3C14 System Administration and Network Programming		3	0	0	20	80	100	3	
N	ACS3C15	3C15 Software Engineering		0	0	20	80	100	3
N	ACS3C16	Research methodology	1	0	1	50	0	50	1
ELECTIVE I	MCS3E01 MCS3E02 MCS3E03 MCS3E04 MCS3E05	Digital Signal Processing Probability and Statistics Fuzzy Systems Design and Analysis of Algorithms		0	0	20	80	100	3
Ν	MCS3P04 Lab – III (CG /NP&A/SP&CD)		0	6	2	20	80	100	3
N	ACS3P05	Case study II	0	3	2	10	40	50	2
		Total	16	9	5	180	520	700	21

Course Code		Course title	Instr Hrs/	Instructional Hrs/week		MARKS			Credit
			L	Р	Т	CA	ESA	TOT AL	
2	MCS4E06	Digital Image Processing							
VE	MCS4E07	Digital Speech Processing							
CTI	MCS4E08	Operations Research	3	0	0	20	80	100	3
LE	MCS4E09	Linux Kernel	1						
Е	MCS4E10	Simulation and Modeling							
3	MCS4E11	Mobile Computing							
VE	MCS4E12	Pattern Recognition							
IL	MCS4E13	Artificial Neural Networks	3	0	0	20	80	100	3
LEC	MCS4E14	High Performance Computing							
Ξ	MCS4E15	Visual Cryptography							
4	MCS4E16	Linux Device Drivers							
Æ	MCS4E17	Data Mining							
IT	MCS4E18	Natural Language Processing	3	0	0	20	80	100	3
EC	MCS4E19	Cyber Forensic							
EL	MCS4E20	Artificial Intelligence							
N	ICS3Pr04	Project	0	16	5	20	80	100	7
N	ICS4C17	General Viva Voce	-	-	-	-	100	100	2
		Total	9	16	5	80	420	500	18

SEMESTER 4





Affiliated to Kannur University Accredited by NAAC at 'B' Grade

SREEKANDAPURAM POST, KANNUR DISTRICT, KERALA, PIN:670631 PH: 0460 2230293, 2231145



www.sescollege.ac.in • sescollege.skprm@gmail.com • principal.sescollege@gmail.com

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





Dr. DOMINIC THOMAS Principal S.E.S. COLLEGE SREEKANDAPURAM

Scheme of Open course

The open course is meant for all the students in the institution except the students of BSc Chemistry programme. External examination will be conducted at the end of Vth semester.

No	Semester	Course	Title of the course	Contact	Credit
		code		hour/	
				week	
1	V	5D01CHE	Chemistry in Service to man	2	2
2	V	5D02CHE	Drugs-Use & Abuse	2	2
3	V	5D03CHE	Environmental Studies	2	2
4	V	5D04CHE	Nanomaterials	2	2

Options available for Open course (Chemistry)

Evaluation pattern

Mark system will be followed instead of direct grading for each question. For each course in the semester letter grade, grade point and % of marks are introduced in 7-point indirect grading system as per KUCBCSSUG 2014. Accordingly 20% of the total marks in each course are for internal evaluation and the remaining 80% for external evaluation.

Internal Evaluation (Core, Complementary & Open)

Components with percentage of marks of Internal Evaluation of Theory

- Attendance-25%
- Test papers-50%
- Assignment/ Seminar/Viva-25%

Internal evaluation is conducted by the concerned Department in mark system. Marks secured for internal evaluation need be send to University.

External Evaluation (Core, Complementary & Open)

External assessment will include Theory, Practical and Project evaluation conducted by University after the completion of a semester. Duration of theory examination for Core & Complementary courses will be 3 hours, where as for Open course is 2 hours. The practical examination for Core & Complementary will be of 4 hour duration.

Project work:

Project works will be carried out in fifth and sixth semesters. Not more than five students can form a group and undertake a project. Each individual student should submit a copy of the project report duly attested by the supervising teacher and Head of the department. The report has to be presented at the time of practical examination conducted at the end of VI semester for evaluation.

Study tour:

Students are required to visit a factory/Laboratory/Research Institute of repute during the course and have to submit the report of the study tour at the end of the sixth semester during the time of practical examination. No credit will be separately given for study tour report.

Practical record, Project report & Study tour report must be certified by the teacher in charge and countersigned by the Head of the Department. Students should submit certified record of respective practical work at the time of University practical examination.

Mark distributions

Table 1: Internal and External marks for Core (Chemistry) courses:

Item	Mar	Total	
	Internal	External	
Theory	10	40	50
Practical	10	40	50
Industrial		5	5
visit			
Project	4	16	20

Table 2: Internal and External marks for Complementary (Chemistry)

Item	Mar	Total	
	Internal	External	
Theory	8	32	40
Practical	8	32	40

Table 3: Internal and External marks for Open Course (Chemistry)

Item	Mar	Total	
	Internal	External	
Theory	5	20	25

Table 4: Distribution of Internal marks for Theory courses (Core, Complementary & Open).

Attendance	25%
Assignment /Seminar/Viva	25%
*Test paper	50 %

* At least two test papers are to be conducted and average of these two is to be taken for awarding mark.

Components of Core (Chemistry)

The core courses of BSc Chemisty programme will consists of the following components.

- > Theory
- > Practical
- Project (Investigatory)
 Study tour (Visiting Factory/ science institute/laboratory).

Scheme of Core course (Chemistry)

No.	Semester	Course	Title of the Course	Credits	Contact
		code			hr/week
1	Ι	1B01CHE	Theoretical and Inorganic	2	2
			Chemistry		
2	Π	2B03CHE	Analytical Chemistry	2	2
3	П	1B02CHE	*Core Course Practical I	3	2—I Sem
		&	Volumetric Analysis		2—II Sem
		2B02CHE			
4	III	3B04CHE	Organic Chemistry-I	3	3
5	IV	4B06CHE	Organic Chemistry-II	3	3
6	IV	3B05CHE	*Core Course Practicals 2	3	2—III Sem
		&	Inorganic Qualitative		2—IV Sem
		4B05CHE	Analysis		
7	V	5B07CHE	Inorganic Chemistry-I	4	3
-	* 7	5000 GUE			
8	V	5B08CHE	Inorganic Chemistry-II	4	3
9	V	5B09CHE	Physical Chemistry- I	4	3
10	V	5B10CHE	Physical Chemistry- II	4	3
11	VI	6B14CHE	Organic Chemistry III	4	4
12	VI	6B15CHE	Physical Chemistry III	3	4
13	VI	6B16CHE	Physical Methods in	3	3
			Chemistry		
14	VI	6B17CHE	Elective	3	3
15	VI	5B11CHE	*Core Course Practicals 3	3	5—V Sem
		6B11CHE	Gravimetric Analysis		
					2—VI Sem
16	VI	5B12CHE	*Core Course Practicals 4	3	5V Sem
					3VI Sem
		6B12CHE	Organic Chemistry		
17	VI	6B18CHE	*Core Course Practicals5	3	5
			Physical Chemistry		ļ
18	VI	5B13CHE	Project & Industrial Visit	2	1—SemV
		6B13CHE			1Sem VI

* External examination will be held at the end of II/ IV/VI semester

Elective

Elective is to be chosen as one of the following courses

- 6B14A MAT: Operations Research
- 6B14B MAT: Mathematical Economics
- 6B14C MAT: Classical Mechanics
- 6B14D MAT: Programming in Python

(See the syllabus of elective courses in Annexure I)

6B15 MAT: Project

- Project dissertation (project report) should be submitted to the university in typed format.
- The report should have at least 20 pages.
- Project can do individually or as a group comprising a maximum of 4 students
- External valuation and viva-voce of the project shall be done (individually).
- The pass condition shall be 14 marks which is 40% of the 35 marks.
- The project report should contain a Title Page, Certificate from the project guide counter signed by the Head of the Department, List of Contents, Preface and List of References.

The project evaluation and viva-voce shall be done by the external examiner based on the assessment of following components. Criterion for internal evaluation is also included in the table.

	External		Internal		Total	
SI.No.	Components	Mark	Components	Mark	Mark	Credit
1	Relevance of the TopicReference/ Bibliography	5.6	Relevance of the Topic and content/ Use of Data	1.5		
2	Viva - Voce	14	Viva-Voce	2		
3	PresentationFindings and Recommendations	8.4	Seminar Presentation/ Punctuality	1.5	35	2
4			Scheme/Organization of Report/Layout	2		
	Total	28		7	35	

References:

- 1. L. Lamport, LaTeX a Document Preparation System User's Guide and Reference Manual, Pearson Education Publications.
- 2. J. Gibaldi, W. S. Achtert and D. G. Nicholls, MLA Handbook for Writers of Research Papers, Published by Modern language Association of America 209.
- 3. S. G. Krantz, a Primer of Mathematical Writing, Universities Press.
- 4. Website: http//: www. Chicago Manual of Style.

B.A.Economics-Project -Syllabus

Course Title : PROJECT Credit : 2 (54 contact hours) Course Code : 6 B16 ECO(Pr) Semester : VI

Course Objectives

Generating new knowledge and updating existing knowledge from day to day experience is one of the aims of higher education. For this purpose a student is to be encouraged to search and research for new knowledge. A Student should be able to apply the theoretical knowledge that they have acquired in the class room environment to the real world situations by taking up any issue as a project that requires review, explanation or solution. The theme of the project need not be restricted to any particular course. Instead, the topic may be selected from any of the courses that the student is exposed to in various semesters.

This course is designed to enable the student to approach socio-economic issues in a theoretical perspective. The student is encouraged to collect and organize the existing information on the selected topic and arrive at his/her own logical conclusion by following a methodology and applying the analytical tool.

Instructions

- 1. The project report should be in English.
- 2. All project reports will have a common structure. The general format to be followed is given below.
- 3. The three hours allotted for the project work shall be utilized for:
- a) Equipping the students with methodology of project preparation,
- b) Familiarizing the basic nature and structure of a project,
- c) Preparing questionnaire,
- d) Collecting data,
- e) Analyzing data using Excel/SPSS software

4. Project work should ideally be prepared by a group consisting of not more than FIVE students. But in special circumstances (only with the consent of the concerned department) individual students

should also be permitted to submit the project work. If there are more than five students in a group, the project will not be accepted by the university.

5. The project report/work shall be evaluated by external examiner(s) as in the case of other papers. It should be brought under centralized valuation.

- 6. The evaluation of the project shall be on the basis of
 - Conformity of the Project with the format suggested in the syllabus
 - Methodology adopted
 - Analytical aptitude of the student
 - Overall performance of the work
 - Findings of the report
 - Contemporary relevance of the topic selected and
 - VIVA VOCE conducted in respective colleges.

FORMAT FOR PREPARATION OF PROJECT REPORT

1. Arrangement of contents:

The sequence in which the project report material should be arranged and bound should be as follows:

- 1. Cover Page & Title Page
- 2. Abstract
- 3. Table of Contents
- 4. List of Tables
- 5. List of Figures
- 6. List of Symbols, Abbreviations and Nomenclature
- 7. Chapters
- 8. Appendices
- 9. References

The table and figures shall be introduced in the appropriate places.

2. Page dimension and typing

The project report should be printed in A4 size bond paper and bound using flexible cover of the thick white

art paper or spiral binding. The cover should be printed in black letters and the text for printing should be identical. The impression on the typed copies should be black in colour. The

61

general text of the report should be typed with 1.5 line spacing. The general text shall be typed in the Font style 'Times New Roman' and Font size 12. Paragraphs should be arranged in justified alignment with margins 1.25" each on top, bottom, left and right of the page with portrait orientation. The content of the report should vary between 25 and30 pages.

3. Preparation format

3.1 Abstract – Abstract should be one page synopsis of the project report typed with double line spacing, Font Style Times New Roman and Font Size 12.

3.2 Table of Contents – The title page (numbered with lower case Roman letter) will not find a place among the items listed in the Table of Contents. A specimen copy of the Table of Contents of the project report is given in **Appendix I.**

3.3 List of Tables – The list should use exactly the same captions as they appear above the tables in the text.

3.6 List of Figures – The list should use exactly the same captions as they appear below the figures in the text.

3.7 List of Symbols, Abbreviations and Nomenclature –Standard symbols, abbreviations etc. should be used.

3.8 Chapters – The chapters may be broadly divided into 3 parts (i) Introductory chapter, (ii) Chapters developing the main theme of the project work (iii) and Conclusion. Depending on the nature of the project selected by the student the introductory chapter should invariably contain the background of study, the problem, objectives, limitations, methodology and review of earlier studies. The main text will be divided into several chapters and each chapter may be further divided into several sub-divisions. Each chapter should be given an appropriate title.

Tables and figures in a chapter should be placed in the immediate neighbourhood of the reference where they are cited. Endnotes may be given at the end of each chapter. They should be typed single space, with font size of 11 points.

3.9 Appendices – Appendices are provided to give supplementary information, which if included in the main text may serve as a distraction and may cloud the central theme.

• Appendices should be numbered using Arabic numerals, e.g. Appendix 1, Appendix 2, etc. • Appendices, Tables and References appearing in appendices should be numbered and referred to at appropriate places

just as in the case of chapters.

62

• Appendices shall carry the title of the work reported and the same title shall be made in the contents page also.

3.10 List of References – The listing of references should be typed 4 spaces below the heading "REFERENCES" in alphabetical order in single spacing with left alignment. The reference material should be listed in the alphabetical order of the first author. The name of the author/authors should be immediately followed by the year and other details. A typical illustrative list given below relates to the citation example quoted above.

References Books

A material in the text may be cited as in reference 1 and an article in a journal may be cited as in reference 2.

1. Watson D. S. and Getz. M (1986): "Price Theory and its Uses", Khosla Publishing House.

Chapters 1, 2 and 3

2. Brown and Deaton (1972): "Models of Consumer Behaviour: A Survey", Economic Journal, pp 1145-1236.

1. **Table and figures - The** word Table, means tabulated numerical data in the body of the project report as well as in the appendices. All other nonverbal materials used in the body of the project work and appendices such as charts, graphs, maps, photographs and diagrams may be designated as figures. No border line should be given to the pages.

APPENDIX I

(A typical specimen of table of contents)

TABLE OF CONTENTS

CHAPTER NO. TITLE PAGE NO.

ABSTRACT iii

LIST OF TABLE xvi

LIST OF FIGURES xviii

LIST OF SYMBOLS xxvii

1. INTRODUCTION 1

1.1 GENERAL 1

1.2 2

63
1.2.1 General 5
1.2.2 12
1.2.2.1 General 15
1.2.2.2
1.2.2.3 20
1.2.3
1.3
1.4

2. LITERATURE REVIEW 32 2.1

GENERAL 35

2.3 2.2

XI. 6B11ENG Project

Aims:

• To broaden the perspectives of the students and train them in research writing based on information gathered from outside sources

Objectives:

- To provide students training in documentation and research methodology.
- To foster an understanding of the mechanics of writing.
- To learn to structure information or informed ideas logically and effectively.
- To engage in a focused study of a topic.
- To learn to present and interpret information gathered through an extensive study of a subject.

Course Code	6B11ENG
Title of the Course	Project
Semester Assigned	6
No. of Credits	2
Contact hours/week	1
Total No. of contact hours	18
Core Texts	1.Klarer, Mario. Introduction to Literary Studies.
	London: Routledge, 2013.
	2.MLA Handbook 7 th /8 th Edition

- > A Project work with dissertation should be undertaken by all students
- Project work shall be carried out under the supervision of a teacher in the parent department
- The Project work shall be prepared according to the guidelines approved by the University. Two typed copies of the Project report shall be submitted to the HOD two weeks before the commencement of the ESE
- > The external evaluation of the Project work shall be carried out at the end of the semester
- Every student has to do the Project work independently. No group Projects are accepted

Evaluation of a Project

- Total marks for Project is 25 (20 external and 5 internal)
- The ESE of the Project work shall be conducted by two external examiners
- Submission of Project Report and presence of the student for viva are compulsory for internal evaluation
- No marks shall be awarded to a candidate if he/she fails to submit the Project Report for external evaluation
- A student shall be declared to pass in the Project Report Course if he/she secures minimum 40% marks of the aggragate and 40% separately for external
- In case a candidate fails, the Project work may be redone and the report may be resubmitted along with subsequent exams
- There shall be no improvement chance

Mark distribution may be done as follows

Internal 5 marks		External 20 marks		
Components	Marks	Components	Marks	
Punctuality	1	Relevance of the topic	1	
Use of data	1	Statement of the objectives	2	
Scheme/organisation of report	2	Methodology/reference/bibliography	3	
Viva-voce	1	Presentation offacts/figures/language	4	
		style/diagrams etc.		
		Quality of analysis	3	
		Findings and recommendations	2	
		Viva-voce	5	

A typed Project of not more than 25 pages which is documented according to specifications in the MLA handbook may be submitted by the students on topics/ authors of their choice. Texts and literary pieces already listed in the syllabus may be avoided. The literary/cultural theories that they have imbibed during the course may be applied in the work. The latest MLA Handbook is to be used

(Core Reading Chapter 7 How to Write a Research Paper from Klarer, Mario.*Introduction to Literary Studies*. London: Routledge, 2013.)

APPENDIX TO ORDER No.Acad/C1/2181/2016 Dated 26/12/2016.

SEMESTER VI 6B21BBA (Core XXI): PLACEMENT TRAINING AND PROJECT REPORT

Introduction

During the sixth semester the candidate shall do a research project on a relevant business/ management/banking/commerce topic. This research project is envisaged as a practical application of the research methodology course studied in the fourth semester of BBA Programme. Therefore, it is essential that primary data is collected as part of the research at least to some extent. Maximum four students as a group can take up a topic and the students in consultation and with the consent of the assigned guide may identify a topic and do research on that topic. To have more academic freedom and flexibility, the project shall be done without being attached to any business organization.

The candidates together shall prepare and submit a project report to the Department. The project report should be submitted to the Head of the Department on the last working day of the sixth semester.

The candidates together as a group shall prepare two copies of the report and submit them in the department. Out of the two copies submitted in the department, one copy shall be handed over to the external examiner at the time of viva-voce examination, which may be treated as a copy submitted to the University. The report shall be prepared as per American Psychological Association (APA) or Modern Language Association (MLA) format.

Stages of Research Project

The research project shall have the following stages:

- Selection of a broad area
- Preliminary review of literature
- Selection of a specific topic/research problem
- Detailed review of literature
- Establishment of research objectives
- Identification of variables

- Deciding the research design
- Preparation of the draft data collection tool
- Pre testing of the data collection tool
- Finalisation of the tool
- ➢ Field work and data collection
- ➤ Data analysis
- ➤ Report writing
- Draft project report presentation
- Final project report submission

Sample size

Since the project is a group exercise, at least 100 samples should be selected for the study

Use of Statistical software

Students shall be encouraged to use statistical software for data analysis.

Structure of the report

- 1. Title page
- 2. Declaration by the student
- 3. Bonafide Certificate from guide countersigned by HOD
- 4. Acknowledgements
- 5. Table of Contents
- 6. List of Tables
- 7. List of charts and diagrams
- 8. List of Symbols, Abbreviations
- 9. Chapter I: Introduction (Background information, Statement of the Research problem, objectives of the study, Research methodology etc.)
- 10. Chapter II: Review of literature
- 11. Chapters III: Theoretical framework
- 12. Chapters IV: Data Analysis and Interpretations
- 13. Chapter V: Summary of findings and implications and Recommendations

- 14. Bibliography (books, journal articles etc. used for the project work).
- 15. Appendix (Questionnaire, specimen copies of forms, other exhibits etc.)

Page size and typing instructions

The project report shall be prepared in A4 sized bond paper. The report shall be printed and spiral bound/hard bound with not less than 60 pages. The general text of the report shall be typed with 1.5 line spacing. The general text shall be typed in the font 'Times New Roman' with font size 12. Paragraphs shall be arranged in justified alignment with margins 1.25" each on top, bottom, left and right of the page with portrait orientation. No **boarder** line should be given to the pages.

Report Preparation format

1. Cover page & Title page

A specimen copy of the cover page & title page of the project report are given in Appendix I

2. Bonafide certificate

The Bonafide certificate shall be in double line spacing using font style times new roman and font size 14 as per format in appendix II. The certificate shall carry the supervisors signature and shall be followed by supervisors name, academic designation (not any other responsibilities of administrative nature), department & full address of the institution where the supervisors has guided the student. The term 'SUPERVISOR' must be typed in capital letter above the SUPERVISOR's name and academic designation .It shall be countersigned by the HOD.

3. Declaration by the student- Appendix III

4. Acknowledgement by the student

It shall contain gratitude towards the help, service, facilities etc. offered by individuals and institution for completing the project report

5. Table of contents

The title page, Bonafide certificate and declaration by the student will not find a place among the items listed in the table of contents but the page numbers of which are in lower case Roman letters.

6. List of tables

The list should exactly the same caption as they appear above the table in the text. By the word table, is meant, tabulated numerical data in the body of the project report as well as in the appendices.

7. List of figures

The list should exactly the same caption as they appear below the figures in the text. All the other nonverbal material used in the body of the project work and appendices such as charts, graphs, maps, photographs and diagrams may be designed as figures.

8. List of symbols, Abbreviation and Nomenclature

Standard symbols, abbreviations shall be used where ever necessary

9. Chapters

Depending on the nature of the project selected by the student the introductory chapter should invariably contain the background of the study, the problem, objectives, limitation, methodology and review of earlier studies. The main text will be divided in to several chapters and each chapter may be further divided in to several sub-divisions.

10. Appendices

Appendices are provided to give supplementary information, which if included in the main text, may serve as a distraction and cloud the central theme.

- > Appendices should be numbered using Roman letters, e.g. Appendix 1, Appendix II etc.
- Appendices, tables and reference appearing in Appendices should be numbered and referred to at appropriate places just as in the case of chapters.
- Appendices shall carry the title of the work reported and the same title shall be made in the contents page also.

11. List of references

The listing of references should be typed 4 spaces below the heading "REFERENCES" in alphabetical order in single spacing with left aligned. American Psychological Association (APA) or Modern Language Association (MLA) style shall be followed for references.

Evaluation of project report

The project report shall be subject to internal and external evaluation:

Maximum 10 marks shall be awarded by the supervising teachers. The internal marks shall be given as described below. Maximum 40 marks shall be awarded by external examiners. Out of the external 40 marks, 20 marks shall be given for the report and 20 marks shall be given for the performance in viva voce examination as specified below. All the group members shall be given equal marks for their report and the viva-voce marks may vary based on the performance of each student in viva voce examination.

Internal Evaluation					
(10 marks or 20% of total marks					
Components	Marks				
Punctuality	2 (20%)				
Use of data	2 (20%)				
Scheme/organization of report	3 (30%)				
Viva- Voce	3 (30%)				
Total	10				

External Evaluation (40 marks or 80% of total marks)				
Components	Marks			
Relevance of the Topic, Statement of Objectives, Methodology (Reference/ Bibliography)	8 (20%)			
Presentation, Quality of Analysis/Use of Statistical tools, Findings and recommendations	12 (30%)			
Viva-Voce	20 (50%)			
Total	40			

6B25BCA LAB – VIII PROJECT

Hours per Week : Practical - 5

Credits:4

Project Guidelines

The minimal phase for the project are: project search finalization and allocation, investigation of system requirement data and process Modeling system design program design, Program coding and Testing Procedures done, and system implementation procedures.

Project planning:

The BCA Major Project is an involved exercise, which has to be planned well in advance. The topic should be chosen in the beginning of final year itself. Related reading training and discussions first internal project viva voce should be completed in the first term of final year.

Selection of the project work

Project work could be of three types.

Developing solution for real life problem

In this case a requirement for developing a computer-based solution already exits and the different stages of system development life cycle is to be implemented successfully. Examples are accounting software for particular organization, computerization of administrative function of an organization, web based commerce etc. The scope for creativity and exploration in such projects is limited but if done meticulously valuable experience in the industrial context can be gained.

b) Innovative Product development

These are projects where a clear-cut requirement for developing based solution may not existing but a possible utility for same is conceived by the proposer. An example is a Malayalam language editor with spell checker, hand written character processing.

c) Research level project

These are projects which involve research and development and may not be as a structured and clear cut as in the above case. Examples are Malayalam character recognition, Neural net based speech recognizer etc. This type of projects provides more challenging opportunities to students, but at BCA level this may be a difficult choice. If any student identifies proper support in terms of guidance technology and reference from external organizations and also the supervisors are convinced of the ability of the

student(s) to take up the project it shall be permitted. The methodology and the reporting of such project could be markedly different from type (a) and is left to the proposer/external supervisor of the project.

Selection of team

To meet the stated objectives, it is imperative that major project is done through a team effort. Though it would be ideal to select the team members at random and this should be strongly recommended, due to practical consideration students may also be given the choice of forming themselves into teams with three or four members. A team leader shall be selected. Team shall maintain the minutes of meeting of the team members and ensure that tasks have been assigned to every team member in writing. Team meeting minutes shall form a part of the project report. Even if student are doing project as groups each one must independently taken different modules of the work and must submit the report.

Selection of Tools

No restrictions shall be placed on the students in the choice of platform / tools/languages to be utilized for their project work, though open source is strongly recommended, wherever possible. No value shall be placed on the use of tools in the evaluation of the project.

Selection of external organization & Guide.

No restriction shall be placed on the student in the choice of external organization, where project work may be done, in terms of locality type (Private/ public) etc. It is the duty of the Head of Institution / Principal of the college to ensure that the aims, objectives and full project guidelines are communicated to the external organization. The guide should ideally be a postgraduate with work experience.

Students may also choose to do project in the college/institute especially product based work but in such cases the supervisors must ensure that

- (I) Industry practices are followed
- (II) the student undertake a planned visit to an IT industry with international operations to make up for the loss of experience
- (III) the service of an external guide with industry experience is obtained.

Project management

Head of the Department /principal of the college should publish the list of students project topic, internal guide and external organization and teams agreed before the end of July. Changes in this list may be permitted for valid reasons and shall be considered favourably by the Head of the Department /principal of the college any time before commencement of the project. Students should submit a fortnightly report of the progress, which could be indication of percentage of completion of the project work. The students should ideally keep a daily activity book. Team meeting should be documented and same should be submitted at the end of the project work.

Documentation

Three copies of the project report must be submitted by each student (one for department library, one for the organization where the project is done, one for the external examiner and one for the student himself/herself). After affixing signature of external examiners two copies will be returned at the time of the viva which are for the external organization and for the candidate. A CD containing soft copy of the project report, source code and binaries recorded in different folders should also be submitted for the documentation in the library. The CD also should bear the name of the student , title of the project, year etc. the format for preparation of the project is standaerized from 2007 onwards. The following are the major guidelines. The final outer dimensions of the project report shall be 21cm X30 cm.the colour of the flap cover shall be light green/blue. Only hard binding should be done, with title of thesis and the words "<BRIEF TITLE> BCA Project Report 201..."displayed on the spine in 20 point , bold , Arial, as in example below. In case the title is too long, a shorter version of it may be used.

- > The text of the report should be set in 12 pt , bookman , 1.5 spaced.
- Headings should be set as follows: CHAPTER HEADINGS 20 pt, Arial, Bold, All caps, Centered.
- > Section Headings 14 pt Bookman old style, Bold, Left adjusted.
- Section Sub-heading 12 pt, Bookman old style.
- Title of figures tables etc are done in 12 point, Times New Roman, Italics, centered.

Content of the Project should be relevant and specify particularly with reference to the work. The report should contain the requirement specification of the work, Analysis, Design, Coding, testing and Implementation strategies done.

- Organizational overview (of the client organization, where applicable)
- Description of the present system
- Limitations of the present system
- The Proposed system- Its advantages and features

- Top level DFD of the proposed system with at least one additional level of expansion
- Menu Tree
- Program List (Sample code of major functions used)
- Files or tables (for DBMS projects) list. Class names to be entered for each file in OO systems.
- List of fields or attributes (for DBMS projects) in each file or table.
- Program File table that shows the files/tables used by each program and the files are read, written to, updated, queried or reports were produced from them.
- Screen layouts for each data entry screen.
- Report formats for each report.

Some general guidelines on documentation are:

- Certificate should be in the format :" Certified that this report titled......is a bonafide record of the project work done by Sri/ Kumunder our supervision and guidance, towards partial fulfillment of the requirement for award of the Degree of Bachelor of Computer Application (BCA) of the Kannur University" with dated signature of internal guide, external guide and also Head of the Department/ College.
- 2. If the project is done in an external organization, another certificate on the letterhead required: "Certified of the organization is that his/her report titledis a bonafide record of the project work done by Sri/Kum.....under my supervision and quidance. at thedepartment of...... (Organization) towards partial fulfillment of the requirement for the award of the Degree of Bachelor of Computer Application of the Kannur University.
- 3. Page numbers shall be set at right hand bottom, paragraph indent shall be set as 3.
- 4. Only 1.5 space need be left above a section or subsection heading and no space may be left after them.
- 5. References shall be IEEE format (see any IEEE magazine for detail) While doing the project keep note of all books you refer, in the correct format and include them in alphabetical order in your reference list.

There shall be four components that will be considered in assessing a project work with weightage as indicated.

- Timely completion of assigned tasks as evidenced by team meeting minutes 20% or 2 marks
- Relevance of topic System study / Design of table/Individual involvement, team work and adoption of industry work culture 20% or 2 marks
- Project report Quality of project documentation (Precision, stylistics etc)/Achievement of project deliverables 30% or 3 marks

Viva Effective technical presentation of project work 30% or 3 marks
 Based on the above 4 components internal mark (10)can be awarded.

Dissertation /Project to be submitted at the end of third year shall be valued by two examiners appointed by University for the conduct of practical exam. The board of examiners shall award 40 marks based on the following components given in the table below.

External (80% of Total)						
Components	% of Marks	Mar ks				
Written Synopsis/Abstract	12.5	5				
Content of the Project	12.5	5				
Quality of project work/Use of software/ tools	12.5	5				
Perfection of the work						
(Designs of tables/ Input & Output forms)	25	10				
Live demo	12.5	5				
Viva-Voce	25	10				
Total	100	40				

т	'otol I	Marlza	SCHI 1500 Total Credits 120	EME OF CO	RE COURSES	~ 00 W	orkingU	rs/Som	ostor 150
Sl. No		Sem	Course Title	Type of Course	Mark	Credit	Hrs/ Week	15/Sellin	Hrs/ Semester
			1B01 COM						
1	1		Management Concepts						
		-	&Principles	Core 1	50 (40+10)	2	3		54
-	2	Ι	1B02 COM	~ .		_		11	
2		-	Financial Accounting	Core 2	50 (40+10)	3	4		72
2	3		1C01 COM	C 1	50 (40 - 10)	2			70
3			Bus. Statistics	Comp 1	50 (40+10)	3	4		12
4	1		2B03 COM	Cora 3	50(40+10)	2	3		54
		-	2POA COM	Cole 5	30 (40+10)	Z	5		
5	2		2D04 CON Human Resource						
5	2	II	Management	Core 4	$50(40\pm10)$	2	3	11	54
		-			50 (40110)				54
6	3		Quantitative Tech for						
U	5		Bus. Decision	Comp2	50(40+10)	4	5		90
			3A11 COM	F			-		
7	1		Disaster Management	Comm11	50 (40+10)	4	4		72
		-	3A12 COM						
	2		Numerical Skills for						
8			Business	Comm 12	50 (40+10)	4	4		72
			3C03 COM						
9	3		Basics of Research						
		III	Methodology	Comp 3	50 (40+10)	3	3	25	54
10			3B05 COM					-	
10	4		Advanced Accounting	Core 5	50(40+10)	4	5		90
		-	3B06 COM		50 (10110)		5		70
11	5		Optional I	Core 6	50 (40+10)	3	5		90
		-	3C04 COM				-		
	6		Business Regulatory						
12			Framework	Comp 4	50 (40+10)	3	4		72
	1		4A13 COM	-					
13	1		Entrepreneurship	Comm13	50 (40+10)	4	4		72
	r		4A14 COM						
14	2	IV	Environment Studies	Comm14	50 (40+10)	4	4	25	72
		IV	4B07 COM					43	
	3		Income Tax Law &						
15			Practice I	Core 7	50 (40+10)	4	5		90
	4		4B08 COM	~ -	50 (20 + 20		4		72
16	-	-	Informatics Skills (T+P)	Core 8	+10)	3 (2+1)	(2+2)		(36+36)
17	5		4B09 COM/Optional II	Core 9	50 (40+10)	3	4		72

			4C05 COM						
18	6		Corporate Law &						
			Business Regulation	Comp 5	50 (40+10)	3	4		72
			5B10 COM	1					
10	1		Cost Accounting	Core 10	$50(40\pm10)$	4	5		90
17		-	5B11 COM		50 (40+10)	–	5		70
20	2		Corporate Accounting	Core 11	50 (40+10)	4	5		90
	2	-	5B12 COM						
21	3	V	Auditing	Core 12	50 (40+10)	3	4		72
		v	5B13 COM						
	4		Income Tax Law &					25	
22		-	Practice II	Core 13	50 (40+10)	4	5		90
	5		5B14 COM						
23	Č		Optional III	Core 14	50 (40+10)	3	4		72
	6		5D01 COM	_		_			_
24			Open Course	Open	50 (40+10)	2	2		36
25	1		6B15 COM	Corro 15	50(40+10)	4	5		00
23		-	6R16 COM	Cole 15	30 (40+10)	4	5		90
26	2		International Business	Core 16	50 (40+10)	4	5		90
		-	6B17 COM		20(10110)				70
27	3		Modern Banking	Core 17	50 (40+10)	4	5		90
		VI	6B18 COM					25	
28	4		Financial						
		-	Markets&Services	Core 18	50 (40+10)	3	3		54
29	5		6B19 COM	G 10	50 (40, 40)	2	_		0.0
		-	Optional IV	Core 19	50 (40+10)	3	5		90
30	6		6B20 COM	Drojaat	50(40+10)	2	2		26
			Floject	Floject	30 (40+10)	Z			30
			* Total		1500				
					(1200+300)	* 98			
	No. (of	Tune of Course	Credit					
C	ours	es	Type of Course	Crean					
						Ι	Mark		
	4 Common		16		4x.	50=200			
5 Complementary 16 $5x50=250$									
19+1 Project Core (62+2) 64 20x50= 1000									
1 Open 2					1 X	50 = 50			
			* Total	* 98	1500				
	4		English	14			200		
	2		Additional Language	8			100		
	36		Total	120	1800				



Theory 02 Lab Hours 03/ Week Credit 5

Project Guidelines

The minimal phase for the project are: project search finalization and allocation, investigation of system requirement data and process Modeling system design program design, Program coding and Testing Procedures done, and system implementation procedures.

Project planning:

The B.Sc (Computer Science) Major Project is an involved exercise, which has to be planned well in advance. The topic should be chosen in the beginning of final year itself. Related reading training and discussions first internal project viva voce should be completed in the first term of final year.

Selection of the project work

Project work could be of three types.

a) Developing solution for real life problem

In this case a requirement for developing a computer-based solution already exits and the different stages of system development life cycle is to be implemented successfully. Examples are accounting software for particular organization, computerization of administrative function of an organization, web based commerce etc. The scope for creativity and exploration in such projects is limited but if done meticulously valuable experience in the industrial context can be gained.

b) Innovative Product development

These are projects where a clear-cut requirement for developing based solution may not existing but a possible utility for same is conceived by the proposer. An example is a Malayalam language editor with spell checker, hand written character processing.

c) Research level project

These are projects which involve research and development and may not be as a structured and clear cut as in the above case. Examples are Malayalam character recognition, Neural net based speech recognizer etc. This type of projects provides more challenging opportunities to students, but at B.Sc level this may be a difficult choice. If any student identifies proper support in terms of guidance technology and reference from external organizations and also the supervisors are convinced of the ability of the student(s) to take up the project it shall be permitted. The methodology and the reporting of such project could be markedly different from type (a) and is left to the proposer/external supervisor of the project.

Selection of team

To meet the stated objectives, it is imperative that major project is done through a team effort. Though it would be ideal to select the team members at random and this should be strongly recommended, due to practical consideration students may also be given the choice of forming themselves into teams with three or four members. A team leader shall be selected. Team shall maintain the minutes of meeting of the team members and ensure that tasks have been assigned to every team member in writing. Team meeting minutes shall form a part of the project report. Even if student are doing project as groups each one must independently taken different modules of the work and must submit the report.

Selection of Tools

No restrictions shall be placed on the students in the choice of platform / tools/languages to be utilized for their project work, though open source is strongly recommended, wherever possible. No value shall be placed on the use of tools in the evaluation of the project.

Selection of external organization & Guide.

No restriction shall be placed on the student in the choice of external organization, where project work may be done, in terms of locality type (Private/ public) etc. It is the duty of the Head of Institution / Principal of the college to ensure that the aims, objectives and full project guidelines are communicated to the external organization. The guide should ideally be a postgraduate with work experience.

Students may also choose to do project in the college/institute especially product based work but in such cases the supervisors must ensure that

- (I) Industry practices are followed
- (II) the student undertake a planned visit to an IT industry with international operations to make up for the loss of experience
- (III) the service of an external guide with industry experience is obtained.

Project management

Head of the institute /principal of the college should publish the list of students project topic, internal guide and external organization and teams agreed before the end of July. Changes in this list may be permitted for valid reasons and shall be considered favourably by the Head of the institute /principal of the college any time before commencement of the project. Students should submit a fortnightly report of the progress, which could be indication of percentage of completion of the project work. The students should ideally keep a daily activity book. Team meeting should be documented and same should be submitted at the end of the project work.

Documentation

Three copies of the project report must be submitted by each student (one for department library, one for the organization where the project is done , one for the external examiner and one for the student himself/herself). After affixing signature of external examiners two copies will be returned at the time of the viva which are for the external organization and for the candidate. A CD containing soft copy of the project report, source code and binaries recorded in different folders should also be submitted for the documentation in the library. The CD also should bear the name of the student , title of the project, year etc. the format for preparation of the project is standaerized from 2007 onwards. The following are the major guidelines. The final outer dimensions of the project report shall be 21cm X30 cm.the colour of the flap cover shall be light green/blue. Only hard binding should be done, with title of thesis and the words "<BRIEF TITLE> BSc(CS) Project Report 201..."displayed on the spine in 20 point , bold , Arial, as in example below. In case the title is too long, a shorter version of it may be used.

> The text of the report should be set in 12 pt , bookman , 1.5 spaced.

Headings should be set as follows: CHAPTER HEADINGS 20 pt, Arial, Bold, All caps, Centered. 1. Section Headings 14 pt Bookman old style, Bold, Left adjusted. Section Sub-heading 12 pt, Bookman old style.

Title of figures tables etc are done in 12 point, Times New Roman, Italics, centered.

Content of the Project should be relevant and specify particularly with reference to the work. The report should contain the requirement specification of the work, Analysis, Design, Coding, testing and Implementation strategies done.

- Organizational overview (of the client organization, where applicable)
- Description of the present system
- Limitations of the present system
- The Proposed system- Its advantages and features
- Context diagram of the proposed system.
- Top level DFD of the proposed system with at least one additional level of expansion
- Menu Tree
- Program List (Sample code of major functions used)
- Files or tables (for DBMS projects) list. Class names to be entered for each file in OO systems.
- List of fields or attributes (for DBMS projects) in each file or table.
- Program File table that shows the files/tables used by each program and the files are read, written to, updated, queried or reports were produced from them.
- Screen layouts for each data entry screen.
- Report formats for each report.

Some general guidelines on documentation are:

1. Certificate should be in the format :" Certified that this report titled......is a bonafide record of the project work done by Sri/ Kumunder our supervision and guidance, towards partial fulfillment of the requirement for award of the Degree of B.Sc Computer Science of the Kannur University" with dated signature of internal guide, external guide and also Head of the Department/ College. 2. If the project is done in an external organization, another certificate on the letterhead of the organization is required: "Certified that his/her report titledis a bonafide record of the project work done by Sri/Kum.....under my supervision and guidance, at thedepartment of...... (Organization) towards partial fulfillment of the requirement for the award of the Degree of B.Sc (Computer Science) of the Kannur University.

- 3. Page numbers shall be set at right hand bottom, paragraph indent shall be set as 3.
- 4. Only 1.5 space need be left above a section or subsection heading and no space may be left after them.
- References shall be IEEE format (see any IEEE magazine for detail) While doing the project keep note of all books you refer, in the correct format and include them in alphabetical order in your reference list.
- There shall be six components that will be considered in assessing a project work with weightage as indicated.
- Timely completion of assigned tasks as evidenced by team meeting minutes 20% or 4 marks
- Relevance of topic System study / Design of table/Individual involvement, team work and adoption of industry work culture 20% or 4 marks
- Project report Quality of project documentation (Precision, stylistics etc)/Achievement of project deliverables 30% or 6 marks
- Viva Effective technical presentation of project work 30% or 6 marks

Based on the above 6 components internal mark (20)can be awarded.

Dissertation /Project to be submitted at the end of third year shall be valued by two examiners appointed by University for the conduct of practical exam. The board of examiners shall award 80 marks based on the following components given in the table below.

External (80% of Total)		
Components	% of Marks	Marks
Writing Synopsis/ Abstract	12.5	10
Content of the Report	12.5	10
Quality of project work/Use of software/ tools	12.5	10
Perfection of the work done (Designs of tables/ Input & Output forms)	25	20
Live demo	12.5	10
Viva-Voce	25	20
Total	100	80

off, if it has a decimal part. The total marks of the CA shall be rounded off to the nearest whole number.

END SEMESTER EVALUATION (ESE):

There shall be double valuation system of answer books. The average of two valuations shall be taken in to account. If there is a variation of more than 10% of the maximum marks, the answer books shall be valued by a third examiner. The final marks to be awarded shall be the average of the nearest two out of three awarded by the examiners. After that there shall be no provision for revaluation

Pattern of questions: Questions shall be set to assess knowledge acquired, standard application of knowledge, application of knowledge in new situations, critical evaluation of knowledge and the ability to synthesize knowledge. Question paper for end semester theory examination shall consist of:

- i. Short answer type : 12 questions of which 10 to be answered. $10 \ge 3 = 30$ marks,
- ii. Essay type: 5 questions (one either -or question from each module) x 10 marks = 50 marks

End Semester Evaluation in Practical courses shall be conducted and evaluated by two examiners- one internal and one external. Details of scheme of evaluation of ESE practical courses are given along with respective syllabus.

3.4 Project: A project work has to be undertaken by all students. The project can be software development following all or some of the software development lifecycle or an R&D project. The hours allotted for project work may be clustered into a single slot so that students can do their work at a centre or location for a continuous period of time. The Major project work should be carried out in the Department /Institution or in alevel Industry / R & D organization of national repute. Project work shall be carried out under the supervision of a Teacher. If the project is carried out in an Industry / R & D organization outside the campus, then a co-guide shall be selected from the concerned organization. If the project work is of interdisciplinary in nature, a co-guide shall be taken from the other department concerned. Every student should do the Project individually and no grouping is allowed. All the candidates are required to get the approval of their synopsis and the guide before commencement of the project from the Department. A coguide should be a postgraduate in CS or allied subject or a person of eminence in the area in which student has chosen the project. At the end of the semester the candidate shall submit the Project report (two bound copies and one soft copy) duly approved by the guide and co-guide for End Semester Evaluation. The project report shall be prepared according to the guidelines approved by the University.

Evaluation of Project:

- *i.* A Departmental committee duly constituted by the Head of the Department will review the project periodically.
- *ii.* **Continuous Assessment of project work**: There shall be three internal presentations before the committee (Minimum two members, including the guide). The assessment is based on presentation, interim report and viva voce. The total mark for CA shall be divided among the three presentations in the ratio 20%:30%:50%.Each internal presentation shall be evaluated based on the following components:

Component	% of marks
Understanding of the	25
problem / concepts	25
Adhering to	20
methodology.	20
Quality of presentation	
and demonstration	15
(Demonstration is	15
optional)	
Quantum of work /	20
effort	30
Organization and	
content of mid-term	10
report	

iii. End Semester Assessment of Project: A board of two examiners appointed by the University shall conduct ESE evaluation. The evaluation shall be based on the report, presentation of the work, demonstration of the work (optional) and a detailed viva voce based on the work carried out. A candidate will not be permitted to attend the Project evaluation without duly certified project reports. Also a project will be evaluated only if the candidate attend the ESE presentation and Viva voce on the scheduled date and time. A board shall evaluate a maximum of 10 candidates in a day. The ESE evaluation shall consist of the following components:

Component	% of marks
Understanding of the	
problem/requirements/ concepts related to	15
the project	
Adhering to methodology (Software	
engineering phases or research	
methodology) and the candidates	15
understanding of the components of	
methodology	
Quality of Modeling of the problem and	
solution/ database design / form design /	
reports / testing (For research projects -	
relevance /novelty of the work(s)/ use of	20
data/ proposal of new models /analysis of	
algorithms/ comparison and analysis of	
results /findings)	
Quality of presentation / demonstration	15
Quantum of work / effort - assessed	
through the content of report, presentation	25
and viva.	
Organization and content of report	10

- *iv.* A student shall be declared to pass in the Project report course if she/he secures minimum 40 % marks of the aggregate and 40% separately for external.
- *v*. If a candidate fail in the evaluation of Project, he/she has to repeat the project course along with the next batch and undergo both CA and ESE. *Unlike theory/practical courses, the CA mark will not retained.*
- vi. There shall be no improvement chance for the marks obtained in the Project course.
- **3.5 Seminar:** Each student shall select a relevant topic, prepare a seminar report and give a presentation (30 to 45 minutes), under the guidance of a faculty member. The evaluation of seminar

Table 2(a):

	SEMEST	ERI				· · · · · · · · · ·	
S	Title of the course	Hrs/w	Cred	Marks			
NO.		eek	its	IA**	ESE***	Tota	
1	Common course (English) I	5	1	10	10	50	
2	Common course (English) II	4	3	10	40	50	
3	Common course(Addl, language) VII	4	3	10	40	50	
4	Core course (Theory-1B01PHY)	7	4	10	40	50	
5	Core course (Practical I-4B05PHV)*	2	3	10	40	50	
6	Complementary (1) Theory I (Maths)			-		-	
7	Complementary (ii) Theory I	4	3		40	50	
8	Complementary (II) Practical 1*	2	2	88	32	40	
	Total	25	- 19	- 58	- 232	- 290	

*External examination at the end of fourth semester

Internal assessment ; * End Semester Examination (external assessment)

Table 2(b):

S	SEMES	STER II				
No	Title of the course	Hrs/	Cre		Mark	s
		week	dits	lA	ESE	Total
1	Common course (English) III	5	4	10	40	50
2	Common course (English) IV	4	3	10	40	50
3	Common course(Addl. language) VIII	4	4	10	40	50
4	Core course (Theory-2B02PHY)	2	3	10	40	50
5	Core course (Practical I-4B05PHY)*	2	-	-		
6	Complementary (1) Theory II(Maths)	4	3	10	40	50
7	Complementary (11) Theory II	2	2	8	32	40
8	Complementary (II) Practical *	2	-			-
	Fotal	25	19	58	232	290

*External examination at the end of fourth semester Table 2(c):

	SEMESTEI	RIII				
S	Title of the course	Hrs/w	Credit		Marks	
No.		eek	S	lA	ESE	Total
1	Common course (English) V	5	4	10	40	50
2	Common course(Add!. language) IX	5	4	10	40	50
3	Core course (Theory-3B03PHY)	3	3	10	40	50
4	Core course (Practical I-4B05PHY)*	2	-	-	-	-
5	Complementary (1) Theory III(Maths)	5	3	10	40	50
6	Complementary (II) Theory III	3	2	8	32	40
7	Complementary (II) Practical *	2	-	-	-	-
	Total	25	16	48	192	240

*External examination at the end of fourth semester
	SEMESTEI	RIV					
S Title of the course Hrs/w Credit				Mark	Marks		
No.		eek	S	IA	ESE	Total	
1	Common course (English) VI	5	4	10	40	50	
2	Common course(Addl. language) X	5	4	10	40	50	
3	Core course (Theory-4B04PHY)	3	3	10	40	50	
4	Core course (Practical I -4B05PHY)	2	4	10	40	50	
5	Complementary (1) Theory IV(Maths)	5	3	10	40	50	
6	Complementary (II) Theory IV	3	2	8	32	40	
7	Complementary (II) Practical	2	4	8	32	40	
	Total	25	24	66	264	330	

Table 2(e):

	SEMESTER V	/					
S	Title of the course	Hrs/	Cre	Marks			
N		week	dits	IA	ESE	Total	
0.						25	
1	Open course	2	2	5	20	25	
2	Core course (Theory-5B06PHY)	3	3	10	40	50	
3	Core course (Theory-5B07PHY)	3	3	10	40	50	
4	Core course (Theory-5B08PHY)	3	3	10	40	50	
5	Core course (Theory-5B09PHY)	3	3	10	40	50	
6	Core course (Theory-5B10PHY)	3	3	10	40	50	
7	7 Core course (Practical II -6B16PHY)!		-	-	-	-	
8	Core course (Practical III -6B17PHY)!	4	-	-	-	-	
	Total	25	17	55	220	275	

! External examination at the end of sixth semester

Table 2(f):

	SEMESTER V	/1				
S	Title of the course	Hrs/w	Cre		Marks	
No.		eek	dits	IA	ESE	Total
1	Core course (Theory -6B11PHY	3	3	10	40	50
2	Core course (Theory-6B12PHY)	3	3	10	40	50
3	Core course (Theory-6B13PHY)	3	3	10	40	50
4	Core course (Theory-6B14PHY)	3	3	10	40	50
5	Core course (Theory-6B15PHY) - Elective	3	3	10	40	50
6	Core course (Practical II-6B16PHY)	4	4	10	40	50
7	Core course (Practical III-6B17PHY)	4	4	10	40	50
8	Project (6B18PHY)	2	2	5	20	25
9	Study tour (6B19PHY)	-	-	-		-
	Total	25	25	75	300	375





Affiliated to Kannur University Accredited by NAAC at 'B' Grade

SREEKANDAPURAM POST, KANNUR DISTRICT, KERALA, PIN:670631 PH: 0460 2230293, 2231145



www.sescollege.ac.in • sescollege.skprm@gmail.com • principal.sescollege@gmail.com

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

M. A. PROGRAMME IN ENGLISH LANGUAGE AND LITERATURE (CCSS) REVISED SYLLABUS – 2016 ADMISSION ONWARDS (To be followed in the affiliated colleges under Kannur University)

SEMESTER 1—Four Core Courses and one Elective (select one among three)

			Internat	External	Total	Credit	Hours
	ENG 1C01	British Literature: Chaucer to Seventeenth Century	20	80	100	4	5
	ENG 1C02	British Literature: Eighteenth Century	20	80	100	4	5
	ENG 1C03	Literary Criticism	20	80	100	4	5
I	ENG 1C04	History and Structure of English Language	20	80	100	4	5
	ENG 1E01	Elective (Choose one among three) Malayalam Literature in Translation	20	80	100	4	5
	ENG 1E02 ENG 1E03	English Language Teaching	100	400	500	20	25

SEMESTER 2—Three Core Courses and one Elective (select one among three)

Semester	Course Code	Title	Internal	External	Total	Credit	Hours
	ENG 2C05	Literature of the Romantic Period	20	80	100	4	7
	ENG 2C06	Literature of the Victorian Period	20	80	100	4	7
	ENG 2C07	Modern Literary Theory	20	80	100	4	6
п		Elective (Choose one among three)					
11	ENG 2E04	Translation Studies	20 00	80	100	4	5
	ENG 2E05	World Drama	20	80 10	100	4	
	ENG 2E06	Dalit Writings					
	TOTAL		80	320	400	16	25

Semester	Course Code	Title	Internal	External	Total	Credit	Hours
Semester							
	ENG 3C 08	Twentieth Century British	20	80	100	4	6
		Literature	20	20 80			
	ENG 3C09	Linguistics	20	80	100	4	4
	ENG 3C10	Indian Writing in English	20	80	100	4	5
III	ENG 3C11	American Literature	20	80	100	4	6
		Elective (Choose one among three)					
	ENG 3E07	Introduction to Cultural Studies					
	ENG 3E08	European Fiction	20	80	100	4	4
	ENG 3E09	Introduction to Comparative					
		Literature					
	TOTAL		100	400	500	20	25

SEMESTER 3—Four Core Courses and one Elective (select one among three)

SEMESTER 4—Six Core Courses including Project Work and Viva-voce

Semester	Course Code	Title	Internal	External	Total	Credit	Hours
	ENG 4C 12	Postcolonial Writings	20	80	100	4	6
	ENG 4C 13	Women's Writing	20	80	100	4	6
	ENG 4C 14	Film Studies	20	80	100	4	6
IV	ENG 4C 15	Comprehension	20	80	100	4	4
	ENG PR 16	Project	20	80	100	4	3
	ENG 4C 17	Viva-Voce	00	100	100	4	0
	TOTAL		100	500	600	24	25

Details of Marks, Credit and Hours

380 (Maximum 20 marks for a course. Test Paper: 5
Marks; Assignment: 5 Marks; Seminar/Viva: 5 Marks
Attendance: 5 Marks)
Comprehension Course Internal (20 marks oral test)
1620
2000
80
25 per week

- a. Total marks for semester I -300
- b. Total marks for semester II- 425
- c. Total marks for semester III- 375
- d. Total marks for semester IV- 400
- e. Total marks for semester I to IV- 1500

II. Practicals

Practical –I

MCJ 2 P 01 Newspaper production, Video production, Magazine production and Radio production.

1. Lab Newspapers: 5 Marks

Each student shall submit five single-page printed A3-size lab-newspapers either in Malayalam or in English, prepared as part of reporting assignments within the semester, to be evaluated by external examiners.

2. Newspaper Front Page: 5 Marks

Each student shall edit and design the front page of an A3-size newspaper either in Malayalam or in English, with the stories given by the external examiners.

3. Video production: 10 Marks

Students, divided into teams of four members each, shall produce a video of their choice without dialogue limited to five minutes, during the semester and submit it for external valuation.

4. Magazine production: 10 Marks

Students shall be divided into teams of five members each, to bring out a printed multi-color 32-page-magazine either in Malayalam or in English, reported, subbed and designed by them during the semester. It shall be submitted for external valuation.

5. Radio production: 10 Marks

Each student shall produce a seven minutes radio feature / documentary on a topic and submit it for external valuation.

Practical-II

MCJ 4P 02 PSA production, TV News bulletin production and Short film production

1. PSA production: 10 Marks

Each student shall produce a Public Service Advertisement (PSA) in print/ audio/ visual format and submit it for external valuation.

2. TV News bulletin production: 10 Marks

Students either in groups of 4-5 or individually shall report, edit and present a news bulletin either in Malayalam or in English and submit it for external valuation. The duration of a solo news bulletin shall be seven minutes while for group productions it will be 25 minutes.

3. Short film production: 20 Marks

Students divided into teams of four or five members each shall produce either a documentary or a short film of 15-minutes, in Malayalam or English, within the semester and submit it for external valuation.

III. Dissertation:

In the fourth semester each student shall submit a dissertation on any topic of his/her interest. The dissertation aims at introducing the students with research methodology and to prepare them for doing further research .Students are required to do a dissertation on a topic relating to an area of study chosen in consultation with the faculty. Each student shall be guided in his/her project by a member of the faculty.

IV. VIVA<u>:</u>

A Viva Voce examination will be conducted at the end of IV semester covering the whole programme including the project.

COURSES FOR M.COM

Semester	Course	Title	Marks			
	Code		Internal	External	Total	Credit
	COM1C01	Business Environment & Policy	15	60	75	4
	COM1C02	Quantitative Techniques & Operation Research	15	60	75	4
Ι	COM1C03	Management Information System	15	60	75	4
	COM1C04	Organizational Behaviour	15	60	75	4
	COM1C05	Accounting for Business Decisions	15	60	75	4
	Total		75	300	375	20
	COM2C06	Strategic Management	15	60	75	4
	COM2C07	Research Methodology & Computer Application	15	60	75	4
II	COM2C08	Costing for Management Decisions	15	60	75	4
	COM2C09	Advanced Business Accounting	15	60	75	4
	COM2C10	Financial Management	15	60	75	4
	Total		75	300	375	20
	COM3C11	Marketing Management	15	60	75	4
	COM3C12	Corporate Accounting	15	60	75	4
III	COM3C13	Income Tax Law & Practice	15	60	75	4
	COM3C14	Wealth Tax & Indirect Taxes	15	60	75	4
	COM3C15	Human Resource Management	15	60	75	4
	Total		75	300	375	20
Elective A. Finance	COM4E01	Security Analysis & Portfolio Management	15	60	75	4
	COM4E02	International Financial Management	15	60	75	4
	COM4E03	Financial Markets & Services	15	60	75	4
IV	COM4E04	Corporate Tax Planning & Management	15	60	75	4
	COM4Pr	Project Report/Dissertation			25	2
	COM4C16	Viva-Voce			50	2
Grand Total	Total		60	240	375 1500	20 80

(Continued in Page-2)

-3-

Page-2

Elective B. Marketing	B. COM4E05 Consumer Behavior		15	60	75	4
IV	COM4E06	Advertising & Sales	15	60	75	4
		Management				
	COM4E07	Services Marketing	15	60	75	4
	COM4E08	Logistics Management	15	60	75	4

Elective C.	Elective C. COM4E09 International H		15	60	75	4
International Enviro		Environment				
Business						
	COM4E10	Foreign Trade Management	15	60	75	4
IV	COM4E11	International Banking	15	60	75	4
	COM4E12	International Marketing	15	60	75	4

KANNUR UNIVERSITY M Sc COMPUTER SCIENCE

Course Structure and Scheme of Evaluation (From 2014 Admission) (CBSS- For affiliated Colleges)

CREDIT DISTRIBUTION

Semester	Core	Elective	Practical	Project	Total
1	17	0	3	0	20
2	16	0	5	0	21
3	13	3	5	0	21
4	2	9	0	7	18
Total	48	12	13	7	80

COURSE STRUCTURE

SEMESTER 1

Course Code	Course title	Instructional Hrs/week			MARKS			Credit
		L	Р	Т	СА	ESA	TOT AL	
MCS1C01	Discrete Mathematics	3	0	1	20	80	100	3
MCS1C02	Computer Organization and Architecture	3	0	1	20	80	100	3
MCS1C03	Digital Systems and Microprocessors	4	0	0	20	80	100	4
MCS1C04	Operating Systems	3	0	1	20	80	100	3
MCS1C05	Introduction to Programming	4	0	0	20	80	100	4
MCS1P01	Lab – I (IP/OS)	0	8	2	20	80	100	3
Total		17	8	5	120	480	600	20

Course Code	Course title	Instructional Hrs/week			MARKS			Credit
		L	Р	Т	CA	ESA	TOT AL	
MCS2C06	Java Programming	3	0	0	20	80	100	3
MCS2C07	Data Structures& Algorithms	3	0	0	20	80	100	3
MCS2C08	Database Management Systems	3	0	0	20	80	100	3
MCS2C09	Computer Networks	3	0	0	20	80	100	3
MCS2C10	Formal Languages and Finite Automata	3	0	0	20	80	100	3
MCS2P02	Lab – II (Java/DS/DBMS)	0	7	1	20	80	100	3
MCS2P03	Case Study I	0	3	2	10	40	50	2
MCS2C11	Seminar	0	0	2	50	0	50	1
Total		15	10	5	180	520	700	21

SEMESTER 2

SEMESTER 3

Course Code		Course title	Instructional Hrs/week			MARKS			Credit
			L	Р	Т	CA	ESA	TOT AL	
N	ACS3C12	Computer Graphics	3	0	0	20	80	100	3
MCS3C13		System Programming & Compiler Design	3	0	0	20	80	100	3
MCS3C14		System Administration and Network Programming	3	0	0	20	80	100	3
MCS3C15		Software Engineering	3	0	0	20	80	100	3
MCS3C16		Research methodology	1	0	1	50	0	50	1
ELECTIVE I	MCS3E01 MCS3E02 MCS3E03 MCS3E04 MCS3E05	Digital Signal Processing Probability and Statistics Fuzzy Systems Design and Analysis of Algorithms Information Security	3	0	0	20	80	100	3
MCS3P04		Lab – III (CG /NP&A/SP&CD)	0	6	2	20	80	100	3
MCS3P05		Case study II	0	3	2	10	40	50	2
Total		16	9	5	180	520	700	21	

Course							Credit		
Code		Course title	Instructional						
			IIII I	<i>week</i>	T	CA	ECA	тот	
			L	r	1	CA	LSA	AL	
5	MCS4E06	Digital Image Processing	-	0	0	20	80	100	3
VE	MCS4E07	Digital Speech Processing							
CTI	MCS4E08	Operations Research	3						
LE	MCS4E09	Linux Kernel							
E	MCS4E10	Simulation and Modeling							
3	MCS4E11	Mobile Computing			0	20	80	100	3
ECTIVE	MCS4E12	Pattern Recognition	3						
	MCS4E13	Artificial Neural Networks		0					
	MCS4E14	High Performance Computing							
3	MCS4E15	Visual Cryptography							
4	MCS4E16	Linux Device Drivers	3			0 20	80	100	3
Æ	MCS4E17	Data Mining							
VIT	MCS4E18	Natural Language Processing		0	0				
EC	MCS4E19	Cyber Forensic							
EL	MCS4E20	Artificial Intelligence							
N	ICS3Pr04	Project	0	16	5	20	80	100	7
MCS4C17		General Viva Voce	-	-	-	-	100	100	2
		Total	9	16	5	80	420	500	18

SEMESTER 4





Dr. DOMINIC THOMAS Principal S.E.S. COLLEGE SREEKANDAPURAM