



KG COLLEGE OF ARTS AND SCIENCE

Affiliated to Bharathiar University

Accredited by NAAC

ISO 9001:2015 Certified Institution

KGiSL Campus, Coimbatore – 641 035












Criterion 2 – Student centric methods









2.6 Student Performance and Learning Outcome

2.6.1. Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated













- ★ [PEOs | PSOs | POs](#)
- ★ [Course outcomes](#)
- ★ [Evaluation of attainment of POs and COs](#)








Program Educational Objectives (PEOs) | Programme Specific Outcomes (PSOs) | Programme Outcomes (POs)

S. No.	Name of the Program	PEOs PSOs POs
1	B.A. English Literature	
2	B.B.A.	
3	B.B.A Computer Applications	
4	B.Com	
5	B.Com Computer Applications	
6	B.Com Information Technology	
7	B.Com Professional Accounting	
8	B.Sc. Mathematics	
9	B.Sc. Computer Science	
10	B.C.A.	
11	B.Sc. Information Technology	

S. No.	Name of the Program	PEOs PSOs POs
12	B. Sc. Computer Technology	
13	B.Sc. Electronics and Communication Systems	
14	B.Sc. Biotechnology	
15	M.A. English Literature	
16	M.Com International Business	
17	M.Sc. Mathematics	
18	M.Sc. Computer Science	
19	M.Sc. Software Systems	

Course Outcomes (COs)

S. No.	Name of the Program	COs
1	B.A. English Literature	
2	B.B.A.	
3	B.B.A Computer Applications	
4	B.Com	
5	B.Com Computer Applications	
6	B.Com Information Technology	
7	B.Com Professional Accounting	
8	B.Sc. Mathematics	
9	B.Sc. Computer Science	
10	B.C.A.	
11	B.Sc. Information Technology	
12	B. Sc. Computer Technology	

S. No.	Name of the Program	COs
13	B.Sc. Electronics and Communication Systems	
14	B.Sc. Biotechnology	
15	M.A. English Literature	
16	M.Com International Business	
17	M.Sc. Mathematics	
18	M.Sc. Computer Science	
19	M.Sc. Software Systems	

Evaluation of attainment of POs and Cos



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Department of Computer Technology

Attainment of COs

Mapping of CO - PO

Attainment of POs

B.Sc. Computer Technology

2020 Batch

B. Sc. Computer Technology

Syllabus

AFFILIATED COLLEGES

Program Code: 26K

2020 – 2021 onwards



BHARATHIAR UNIVERSITY

(A State University, Accredited with "A" Grade by NAAC,
Ranked 13th among Indian Universities by MHRD-NIRF,
World Ranking : Times - 801-1000, Shanghai - 901-1000, URAP - 982)

Coimbatore - 641 046, Tamil Nadu, India

B. Sc. Computer Technology 2020-21 onwards - Affiliated Colleges - Annexure No.26
SCAA DATED: 23.09.2020

Program Educational Objectives (PEOs)	
The B. Sc. Computer Technology program describe accomplishments that graduates are expected to attain within five to seven years after graduation	
1	To enhance the broad knowledge in core area related to computer software and hardware technologies
2	To develop and acquire in-depth knowledge in software design and implementation to meet the requirement of corporate
3	To facilitate the graduates to pursuing professional careers or researcher or entrepreneurs in computing technologies
4	To enrich the learners to develop communication, professional skills and to inculcate team spirit
5	To stimulate the graduates to build awareness on social responsibility , ethical practices and human values in-built in the discipline



B. Sc. Computer Technology 2020-21 onwards - Affiliated Colleges - Annexure No.26
SCAA DATED: 23.09.2020

Program Specific Outcomes (PSOs)	
After the successful completion of B.Sc Computer Technology program, the students are expected to	
1	Ability to apply core area knowledge in computing system in appropriate to the discipline
2	Acquired knowledge in software and hardware skills and implementation challenges in varying techniques
3	Ability to engage in life-long learning and adopt fast changing technology to prepare for professional development
4	Improve to exhibit professionally or team leader or entrepreneur
5	Realize technological advances impart society and the social, ethical difficulties of computer technology and their practice.



Program Outcomes (POs)	
On successful completion of the B.Sc . Computer Technology program	
PO1	Disciplinary knowledge: Capable to apply the knowledge of mathematics, algorithmic principles and computing fundamentals in the modeling and design of computer based systems of varying complexity.
PO2	Scientific reasoning/ Problem analysis: Ability to critically analyze, categorizes, formulate and solve the problems that emerges in the field of computer science.
PO3	Problem solving: Able to provide software solutions for complex scientific and business related problems or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural, societal and environmental considerations.
PO4	Environment and sustainability: Understand the impact of software solutions in environmental and societal context and strive for sustainable development.
PO5	Modern tool usage: Use contemporary techniques, skills and tools necessary for integrated solutions.
PO6	Ethics: Function effectively with social, cultural and ethical responsibility as an individual or as a team member with positive attitude.
PO7	Cooperation / Team Work: Function effectively as member or leader on multidisciplinary teams to accomplish a common objective.
PO8	Communication Skills: An ability to communicate effectively with diverse types of audience and also able to prepare and present technical documents to different groups.
PO9	Self-directed and Life-long Learning: Graduates will recognize the need for self-motivation to engage in lifelong learning to be in par with changing technology.
PO10	Enhance the research culture and uphold the scientific integrity and objectivity

B. Sc. Computer Technology 2020-21 onwards - Affiliated Colleges - Annexure No.26
SCAA DATED: 23.09.2020

BHARATHIAR UNIVERSITY: : COIMBATORE 641 046

B. Sc. Computer Technology Curriculum

(For the students admitted during the academic year 2020 – 21 onwards)

Course Code	Title of the Course	Credits	Hours		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
FIRST SEMESTER							
	Language – I	4	6		25	75	100
	English – I	4	6		25	75	100
	Core 1: Computing Fundamentals and C Programming	4	4		25	75	100
	Core 2: Digital Fundamentals and Computer Architecture	4	4		25	75	100
	Core Lab 1: Programming Lab – C	4		3	40	60	100
	Allied 1: Mathematical Structures for Computer Science	4	5		25	75	100
	Environmental Studies #	2	2		-	50	50
	Total	26	27	3	165	485	650
SECOND SEMESTER							
	Language – II	4	6		25	75	100
	English – II	4	6		25	75	100
	Core 3: C++ Programming	4	5		25	75	100
	Core Lab 2: Programming Lab – C++	4		4	40	60	100
	Core Lab 3: Internet Basics	2		2	20	30	50
	Allied 2: Discrete Mathematics	4	5		25	75	100
	Value Education – Human Rights #	2	2		-	50	50
	Total	24	24	6	160	440	600
THIRD SEMESTER							
	Core 4: Data Structures	4	6		25	75	100
	Core 5: Java Programming	4	6		25	75	100
	Core Lab 4: Programming Lab – Java	4		5	25	75	100
	Allied 3: E-Commerce	4	6		25	75	100
	Skill based Subject 1 : Data Communication & Networks	3	5		20	55	75
	Tamil @/ Advanced Tamil (OR) Non-major elective-1 (Yoga for Human Excellence)# / Women's Rights#	2	2		-	50	50
	Total	21	25	5	120	405	525

B. Sc. Computer Technology 2020-21 onwards - Affiliated Colleges - Annexure No.26
SCAA DATED: 23.09.2020

FOURTH SEMESTER							
Core 6: System Software and Operating System	4	6		25	75	100	
Core 7: Linux and Shell Programming	4	6		25	75	100	
Core Lab 5: Linux and Shell Programming Lab	4		6	40	60	100	
Allied 4: Business Accounting	4	6		25	75	100	
Skill based subject 2 (lab) : Network Lab	3	4		30	45	75	
Tamil @/ Advanced Tamil (OR) Non-major elective-II (General Awareness) #	2	2		-	50	50	
Total	21	24	6	145	380	525	
FIFTH SEMESTER							
Core 8: RDBMS & Oracle	4	6		25	75	100	
Core 9: Visual Basic	4	6		25	75	100	
Core Lab 6: Programming Lab – VB & Oracle	4		6	40	60	100	
Elective-I Mobile Computing / Distributed Computing/ PYTHON Programming	4	6		25	75	100	
Skill based Subject 3: Network Security & Management	3	6		20	55	75	
Total	19	24	6	135	340	475	
SIXTH SEMESTER							
Core 10: Graphics & Multimedia	4	5		25	75	100	
Core 11: Project Work Lab %%	8	5		-	200	200	
Core Lab 7: Programming Lab – Graphics & Multimedia	4		6	40	60	100	
Elective-II : Middleware Technologies / Animation Techniques / Computer Installation & Servicing	4	5		25	75	100	
Elective-III : Data Mining / Embedded Systems / Internet of Things (IoT)	4	5		25	75	100	
Skill based Subject 4 (lab) : Network Security Lab	3		4	30	45	75	
Extension Activities	2			50	-	50	
Total	29	20	10	195	530	725	
Grand Total	140	144	36	920	2580	3500	



**First
Semester**

Course End Report Odd Semester 2020 – 21

Name of the Programme	B.Sc. Computer Technology
Semester	I
Course Name	Tamil - I
Course Code	11T
Class	I B.Sc. CT – ‘A’
Number of Students	52
Course Coordinator	Ms.A.Jeba Christy
Programme Coordinator	Ms.V.Sathavathy

Course Outcomes

CO1	புதுக்கவிதையின் மூலம் வாழ்வியல் விழுமியங்களை உணர்ந்து கொள்ளுதல்
CO2	சிறந்த மற்றும் வாழ்வியல் கவிஞர்களை அறிந்து கொள்ளுதல்
CO3	சிறந்த படைப்பாளர்களின் சிறுகதையில் வெளிப்படும் சமூக சிந்தனைகளை அறிந்து விழிப்புணர்வை பெறுதல்
CO4	தற்கால இலக்கியங்களான புதுக்கவிதை சிறுகதை தோன்றி வளர்ந்த பின்புலத்தை அறிதல் ஒரு மொழியை பிழையின்றி பேச எழுத கற்க தேவையான தமிழ் இலக்கணத்தின் இன்றியமையாமையை உணர்தல்
CO5	நடைமுறை வாழ்வியலுக்கு தேவைப்படும் ஆங்கில கடிதத்தை தமிழாக்கம் செய்வதற்கான பயிற்சி அடைதல்

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to Cos				
				CO1	CO2	CO3	CO4	CO5
1	CIA I	16/11/2020	50	50				
2	CIA - II	14/12/2020	50	25	25			
3	Model Exam	18/01/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : I.B.Sc.CT - 'A'

SEMESTER : I

SUBJECT NAME : TAMIL - I

SUBJECT CODE : 11T

S. No.	Roll No.	CIA - I	CIA - II		MODEL EXAM					Consolidated				
Course Outcomes		CO1	CO1	CO2	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		50	25	25	15	15	14	21	10	90	40	14	21	10
1	2026KA02	46	23	23	9	9	5	14	6	78	32	5	14	6
2	2026KA03	42	24	24	9	5	4	12	7	75	29	4	12	7
3	2026KA05	48	22	24	12	7	9	15	8	82	31	9	15	8
4	2026KA08	48	23	22	14	12	6	17	8	85	34	6	17	8
5	2026KA09	38	22	25	14	12	11	18	8	74	37	11	18	8
6	2026KA10	44	22	24	12	6	5	11	7	78	30	5	11	7
7	2026KA11	18	16	21	13	13	9	12	7	47	34	9	12	7

8	2026KA12	38	21	22	10	5	1	10	7	69	27	1	10	7
9	2026KA13	46	16	19	10	11	4	8	8	72	30	4	8	8
10	2026KA14	40	AB	AB	12	12	5	15	8	52	12	5	15	8
11	2026KA15	46	21	22	7	7	6	13	7	74	29	6	13	7
12	2026KA16	40	23	25	12	10	4	14	7	75	35	4	14	7
13	2026KA17	38	20	25	10	5	1	10	8	68	30	1	10	8
14	2026KA18	44	21	19	13	11	8	17	8	78	30	8	17	8
15	2026KA19	40	20	22	12	12	5	13	8	72	34	5	13	8
16	2026KA20	50	24	24	13	7	4	17	7	87	31	4	17	7
17	2026KA21	24	9	12	7	13	1	7	2	40	25	1	7	2
18	2026KA23	34	17	19	10	11	4	11	8	61	30	4	11	8
19	2026KA24	42	21	24	12	12	5	11	8	75	36	5	11	8
20	2026KA25	48	19	24	13	12	5	11	8	80	36	5	11	8

21	2026KA26	38	20	18	10	6	4	10	6	68	24	4	10	6
22	2026KA27	26	20	17	11	11	5	9	7	57	28	5	9	7
23	2026KA28	44	23	25	13	13	10	18	7	80	38	10	18	7
24	2026KA29	38	24	25	12	12	5	9	7	74	37	5	9	7
25	2026KA30	48	24	25	12	14	7	19	8	84	39	7	19	8
26	2026KA31	34	24	23	9	8	4	10	8	67	31	4	10	8
27	2026KA32	38	25	22	11	6	5	11	8	74	28	5	11	8
28	2026KA33	44	AB	AB	11	5	4	9	6	55	5	4	9	6
29	2026KA34	38	24	23	10	7	4	7	6	72	30	4	7	6
30	2026KA35	38	20	21	12	13	11	17	2	70	34	11	17	2
31	2026KA36	34	20	20	12	13	12	16	7	66	33	12	16	7
32	2026KA37	44	14	12	13	11	5	17	8	71	23	5	17	8
33	2026KA38	48	22	24	9	11	5	17	8	79	35	5	17	8

34	2026KA39	30	22	24	11	10	4	11	8	63	34	4	11	8
35	2026KA40	44	20	22	11	10	7	14	8	75	32	7	14	8
36	2026KA42	44	19	22	11	6	7	15	7	74	28	7	15	7
37	2026KA43	AB	14	17	5	6	5	12	2	19	23	5	12	2
38	2026KA44	44	24	24	8	12	6	17	8	76	36	6	17	8
39	2026KA45	34	20	19	9	9	4	14	7	63	28	4	14	7
40	2026KA46	38	20	24	10	4	4	10	7	68	28	4	10	7
41	2026KA47	22	20	19	10	5	4	12	8	52	24	4	12	8
42	2026KA48	42	24	22	12	14	7	19	7	78	36	7	19	7
43	2026KA49	48	20	23	13	13	5	14	8	81	36	5	14	8
44	2026KA50	40	18	20	9	5	10	17	7	67	25	10	17	7
45	2026KA51	48	21	23	12	7	5	15	7	81	30	5	15	7
46	2026KA52	40	14	15	14	11	5	16	8	68	26	5	16	8

47	2026KA53	42	19	20	11	6	5	10	7	72	26	5	10	7
48	2026KA54	46	19	24	10	11	5	15	7	75	35	5	15	7
49	2026KA55	46	19	20	11	11	5	17	7	76	31	5	17	7
50	2026KA56	44	22	25	10	6	1	10	8	76	31	1	10	8
51	2026KA57	46	23	24	13	14	1	8	8	82	38	1	8	8
52	2026KA58	50	23	24	13	11	6	14	8	86	35	6	14	8
Number of students present		51	50	50	52	52	52	52	52	52	52	52	52	52
Number of students absent		1	2	2	0	0	0	0	0	0	0	0	0	0
50 % marks		25	12.5	12.5	7.5	7.5	7	10.5	5	45	20	7	10.5	5
Number of students secured more than 50% marks		48	49	48	49	33	8	38	49	50	50	8	38	49
% of students secured more than 50% marks		94	98	96	94	63	15	73	94	96	96	15	73	94
Correlation Level										3	3	1	3	3
Attainment 2.6														

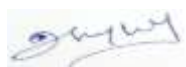
Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	51	50	48	94	3
CIA - II	CO1	50	25	49	98	3
	CO2	50	25	48	96	3
Model Exam	CO1	52	15	49	94	3
	CO2	52	15	33	63	2
	CO3	52	15	8	15	1
	CO4	52	15	38	73	3
	CO5	52	15	49	94	3
Cumulative	CO1	53	90	50	96	3
	CO2	53	40	50	96	3
	CO3	53	15	8	15	1
	CO4	53	15	38	73	3
	CO5	53	15	49	94	3

Course Outcome attainment = 2.6 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5
CO1	3	3	2	2	2
CO2	2	3	2	2	2
CO3	2	2	3	3	2
CO4	3	2	2	3	3
CO5	2	3	3	2	2
2.6	2.4	2.6	2.4	2.4	2.2
Average	2.1	2.3	2.1	2.1	1.9



Prepared By



Approved By

Course End Report Odd Semester 2020 – 21

Name of the Programme	B.Sc. Computer Technology
Semester	I
Course Name	English - I
Course Code	12E
Class	I B.Sc. CT – ‘A’
Number of Students	59
Course Coordinator	Mr. M. Santhosh Kumar
Programme Coordinator	Ms. V .Sathyavathy

Course Outcomes

CO1	To understand basic language skills through listening and reading
CO2	To understand basic English grammar and use effectively
CO3	To enhance word power to speak and write effectively
CO4	To improve flawless writing and speaking in day to day situations
CO5	To communicate effectively

Course Outcomes Assessment Methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	18/11/2020	50	24	26			
2	CIA - II	15/12/2020	50	11	14	25		
3	Model Exam	19/01/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : I B.Sc. CT - 'A'

SEMESTER : I

SUBJECT NAME : ENGLISH - I

SUBJECT CODE : 12E

S. No.	Roll No.	CIA - I		CIA - II			MODEL EXAM					Consolidated				
		CO1	CO2	CO1	CO2	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes																
Total Marks		24	26	12	13	25	15	15	15	15	15	51	54	40	15	15
1	2026KA01	14	16	5	8	16	14	13	12	12	10	33	37	28	12	10
2	2026KA02	20	26	11	12	17	13	12	13	12	11	44	50	30	12	11
3	2026KA03	20	24	12	11	24	12	11	9	6	8	44	46	33	6	8
4	2026KA04	12	20	9	13	24	5	8	4	3	4	26	41	28	3	4
5	2026KA05	24	24	AB	AB	AB	11	10	9	8	4	35	34	9	8	4
6	2026KA06	18	12	9	6	13	10	10	9	8	12	37	28	22	8	12
7	2026KA07	20	26	9	11	16	10	10	10	10	11	39	47	26	10	11
8	2026KA08	24	24	8	13	22	14	12	12	12	10	46	49	34	12	10
9	2026KA09	20	22	11	9	22	12	11	9	12	8	43	42	31	12	8
10	2026KA10	22	24	8	10	14	6	12	11	10	12	36	46	25	10	12
11	2026KA11	22	18	7	9	13	10	10	9	8	12	39	37	22	8	12
12	2026KA12	22	20	8	10	14	10	13	1	1	11	40	43	15	1	11
13	2026KA13	16	18	7	7	17	10	13	1	1	12	33	38	18	1	12
14	2026KA14	14	20	AB	AB	AB	12	11	9	12	8	26	31	9	12	8
15	2026KA15	24	26	10	13	21	13	13	11	12	13	47	52	32	12	13
16	2026KA16	16	26	11	13	23	13	13	12	6	14	40	52	35	6	14

17	2026KA17	12	18	10	12	13	11	12	1	1	12	33	42	14	1	12
18	2026KA18	12	20	8	11	18	12	13	11	13	8	32	44	29	13	8
19	2026KA19	16	26	10	12	19	14	13	11	12	11	40	51	30	12	11
20	2026KA20	22	24	10	13	23	13	14	12	8	12	45	51	35	8	12
21	2026KA21	16	20	7	10	16	5	8	4	3	9	28	38	20	3	9
22	2026KA22	18	22	9	12	22	12	13	11	11	12	39	47	33	11	12
23	2026KA23	14	8	9	7	11	6	5	9	10	3	29	20	20	10	3
24	2026KA24	24	26	12	12	19	14	14	13	8	6	50	52	32	8	6
25	2026KA25	12	24	12	11	21	13	13	12	6	9	37	48	33	6	9
26	2026KA26	14	16	6	7	11	11	11	5	9	6	31	34	16	9	6
27	2026KA27	16	16	9	12	17	14	13	12	11	5	39	41	29	11	5
28	2026KA28	20	24	9	13	22	12	12	11	7	8	41	49	33	7	8
29	2026KA29	16	20	7	9	19	12	12	10	11	10	35	41	29	11	10
30	2026KA30	20	26	11	9	16	14.5	14.5	13.5	13.5	13	45.5	49.5	29.5	13.5	13
31	2026KA31	14	26	10	12	23	10	10	9	4	10	34	48	32	4	10
32	2026KA32	14	24	11	10	17	11	11	10	9	10	36	45	27	9	10
33	2026KA33	18	22	AB	AB	AB	11	11	5	9	6	29	33	5	9	6
34	2026KA34	22	26	8	13	18	12	9	4	7	8	42	48	22	7	8
35	2026KA35	16	6	4	7	11	11	11	5	9	6	31	24	16	9	6
36	2026KA36	14	16	6	11	17	12	11	11	7	7	32	38	28	7	7
37	2026KA37	16	22	9	10	16	12	13	11	11	12	37	45	27	11	12
38	2026KA38	20	24	10	11	22	13	14	13	12	12	43	49	35	12	12
39	2026KA39	20	24	8	11	22	12	11	10	6	8	40	46	32	6	8
40	2026KA40	22	18	12	10	11	13	11	12	14	11	47	39	23	14	11
41	2026KA41	12	16	9	9	18	9	11	9	10	13	30	36	27	10	13
42	2026KA42	22	26	10	13	21	13	14	13	12	12	45	53	34	12	12
43	2026KA43	14	6	0	0	0	8	8	5	10	3	22	14	5	10	3
44	2026KA44	18	22	9	13	14	12	13	12	9	12	39	48	26	9	12
45	2026KA45	18	12	7	9	16	10	9	4	7	8	35	30	20	7	8
46	2026KA46	18	26	7	10	19	10	9	6	5	7	35	45	25	5	7

47	2026KA47	12	8	8	7	10	9	6	7	7	5	29	21	17	7	5
48	2026KA48	20	26	10	13	24	13	13	12	9	10	43	52	36	9	10
49	2026KA49	22	26	12	12	21	13	14	13	6	13	47	52	34	6	13
50	2026KA50	14	18	8	10	11	11	11	9	10	8	33	39	20	10	8
51	2026KA51	22	26	8	11	19	12	12	11	12	12	42	49	30	12	12
52	2026KA52	18	20	6	12	20	13	13	12	12	11	37	45	32	12	11
53	2026KA53	16	20	8	10	18	12	6	5	5	9	36	36	23	5	9
54	2026KA54	22	24	11	11	21	12	13	12	13	11	45	48	33	13	11
55	2026KA55	16	24	10	10	22	13	12	11	10	12	39	46	33	10	12
56	2026KA56	20	20	6	10	11	13	13	5	10	5	39	43	16	10	5
57	2026KA57	24	22	7	11	18	14	14	13	12	9	45	47	31	12	9
58	2026KA58	22	22	9	12	19	13	13	10	10	9	44	47	29	10	9
59	2026KA59	AB	AB	AB	AB	AB	6	10	4	5	6	6	10	4	5	6
Number of students present		58	58	54	54	54	59	59	59	59	59	59	59	59	59	59
Number of Students absent		1	1	5	5	5	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	6	6.5	12.5	7.5	7.5	7.5	7.5	7.5	25.5	27	20	7.5	7.5
Number of students secured more		52	52	48	53	47	54	56	43	40	45	57	54	43	40	45
% of students secured more than		90	90	89	98	87	92	95	73	68	76	97	92	73	68	76
Correlation Level												3	3	3	2	3
Attainment 2.8																

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	58	24	52	90	3
	CO2	58	26	52	90	3
CIA - II	CO1	54	11	48	89	3
	CO2	54	14	53	98	3
	CO3	54	25	47	87	3
Model Exam	CO1	59	15	54	92	3
	CO2	59	15	56	95	3
	CO3	59	15	43	73	3
	CO4	59	15	40	68	2
	CO5	59	15	45	76	3
Cumulative	CO1	59	40	57	97	3
	CO2	59	40	54	92	3
	CO3	59	15	43	73	3
	CO4	59	15	40	68	2
	CO5	59	15	45	76	3

Course Outcome Attainment = 2.8 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	1	2	2	1	1	2	3	2
CO2	1	3	3	3	2	2	2	2	1	2
CO3	2	3	3	2	3	3	2	1	2	2
CO4	2	2	3	3	3	3	3	1	2	3
CO5	3	3	2	3	3	3	3	1	3	2
2.8	2.2	2.8	2.4	2.6	2.6	2.4	2.2	1.4	2.2	2.2
Average	2.1	2.6	2.2	2.4	2.4	2.2	2.1	1.3	2.1	2.1



Prepared By



Approved By

Course End Report Odd Semester 2020 – 21

Name of the Programme	B.Sc. Computer Technology
Semester	I
Course Name	Core 1: Computing Fundamentals and C Programming
Course Code	13A
Class	I B.Sc. CT – ‘A’
Number of Students	59
Course Coordinator	Dr. G. Yashodha
Programme Coordinator	Ms. V. Sathyavathy

Course Outcomes

CO1	Learn about the Computer fundamentals and the Problem solving
CO2	Understand the basic concepts of C programming
CO3	Describe the concepts of different decision making and loop constructs are available for iteration in C
CO4	Demonstrate the concept of User defined functions , Recursions , Scope and Lifetime of Variables, Structures and Unions
CO5	Developing C Program using Arrays, Pointers and File Management

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	19/11/2020	50	24	26			
2	CIA - II	16/12/2020	50	12	13	25		
3	Model Exam	20/01/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : I B.Sc. CT - 'A'

SEMESTER : I

SUBJECT NAME : COMPUTING FUNDAMENTALS AND C PROGRAMMING

SUBJECT CODE : 13A

S. No.	Roll No.	CIA - I		CIA - II			MODEL EXAM					Consolidated				
		CO1	CO2	CO1	CO2	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes		CO1	CO2	CO1	CO2	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		24	26	12	13	25	15	15	15	15	15	51	54	40	15	15
1	2026KA01	18	12	6	8	8	12	13	12	15	10	36	33	20	15	10
2	2026KA02	24	20	12	10	12	10	14	7	5	10	46	44	19	5	10
3	2026KA03	22	24	11	9	14	10	12	6.5	5.5	12	43	45	20.5	5.5	12
4	2026KA04	24	20	8	12	14	12	6	5	6	1	44	38	19	6	1
5	2026KA05	22	24	11	11	22	10	14	11	13	12	43	49	33	13	12
6	2026KA06	6	4	9	8	12	11	12	10	10	8	26	24	22	10	8
7	2026KA07	24	20	12	11	22	12.5	14	11.5	13	4	48.5	45	33.5	13	4

8	2026KA08	24	26	5	7	17	14	15	13	15	13	43	48	30	15	13
9	2026KA09	22	24	8	8	16	12	14	12	12	9	42	46	28	12	9
10	2026KA10	24	24	11	9	23	12	14	7	15	5	47	47	30	15	5
11	2026KA11	18	22	10	7	15	12	13	10	13	8	40	42	25	13	8
12	2026KA12	18	22	9	8	23	5	11	5	13	7	32	41	28	13	7
13	2026KA13	24	20	7	5	9	4	3	4	13	8	35	28	13	13	8
14	2026KA14	16	16	AB	AB	AB	11	13	11	14	5	27	29	11	14	5
15	2026KA15	22	22	8	12	17	11	13	6	11	13	41	47	23	11	13
16	2026KA16	24	26	12	13	25	13	14	13	14	13	49	53	38	14	13
17	2026KA17	20	24	10	11	19	5.5	11.5	13	10	1	35.5	46.5	32	10	1
18	2026KA18	16	18	12	9	18	12	12	12	11	5	40	39	30	11	5
19	2026KA19	24	20	5	7	7	13	15	13.5	15	8.5	42	42	20.5	15	8.5
20	2026KA20	24	22	11	12	17	13	13.5	14	13	11.5	48	47.5	31	13	11.5
21	2026KA21	18	12	AB	AB	AB	6	8	2	12	6	24	20	2	12	6

22	2026KA22	18	22	11	12	15	11	13	13	14	10	40	47	28	14	10
23	2026KA23	24	22	10	10	7	12	13	10	18	12	46	45	17	18	12
24	2026KA24	24	24	11	12	22	12	13	12	15	13	47	49	34	15	13
25	2026KA25	22	22	12	13	23	12	13	13	14	8	46	48	36	14	8
26	2026KA26	16	18	8	6	12	9	14	7	5	5	33	38	19	5	5
27	2026KA27	24	20	5	8	13	11	14	7	5	5	40	42	20	5	5
28	2026KA28	24	26	11	13	21	12	14	12	15	7	47	53	33	15	7
29	2026KA29	24	24	10	10	16	8.5	11.5	8.5	4	6.5	42.5	45.5	24.5	4	6.5
30	2026KA30	22	20	10	12	12	13	13	13	15	11	45	45	25	15	11
31	2026KA31	16	22	8	9	14	10	11	8	12	5	34	42	22	12	5
32	2026KA32	18	16	9	10	22	8	11	6	12	10	35	37	28	12	10
33	2026KA33	22	18	AB	AB	AB	10	12	5	4	6	32	30	5	4	6
34	2026KA34	22	22	9	13	24	8	12	5	3	2	39	47	29	3	2
35	2026KA35	18	16	11	5	13	9	12	10	5	10	38	33	23	5	10

36	2026KA36	18	18	7	10	5	12	12.5	10.5	12	11	37	40.5	15.5	12	11
37	2026KA37	22	22	10	9	13	10	12	11.5	14	11.5	42	43	24.5	14	11.5
38	2026KA38	22	20	11	13	24	14	14	12	14	12	47	47	36	14	12
39	2026KA39	14	14	12	9	7	11.5	12.5	8	12	4	37.5	35.5	15	12	4
40	2026KA40	16	16	11	11	20	11.5	14	10.5	12	12	38.5	41	30.5	12	12
41	2026KA41	18	22	10	10	13	10	12	11	13	9	38	44	24	13	9
42	2026KA42	22	20	7	10	16	10.5	12.5	8	12	4	39.5	42.5	24	12	4
43	2026KA43	6	14	AB	AB	AB	4	4	2	6	6	10	18	2	6	6
44	2026KA44	24	24	8	12	18	12	12.5	10.5	12	8	44	48.5	28.5	12	8
45	2026KA45	20	22	9	5	21	8	10	8	10	4	37	37	29	10	4
46	2026KA46	22	22	10	11	11	11	7	9	13	9	43	40	20	13	9
47	2026KA47	8	18	7	5	5	9	5	2	5	9	24	28	7	5	9
48	2026KA48	24	26	10	10	18	13	13.5	12.5	12	12	47	49.5	30.5	12	12
49	2026KA49	22	18	11	10	23	13	13.5	12.5	12	12	46	41.5	35.5	12	12

50	2026KA50	20	14	10	9	15	10	13	6	15	9	40	36	21	15	9
51	2026KA51	20	26	11	11	18	9	9	5	10	4	40	46	23	10	4
52	2026KA52	24	18	10	9	21	12	13	11	15	8	46	40	32	15	8
53	2026KA53	24	14	8	9	10	4	6	0	14	6	36	29	10	14	6
54	2026KA54	22	20	10	12	14	11	13	12	14	10	43	45	26	14	10
55	2026KA55	20	20	8	9	16	11	12	9	12	10	39	41	25	12	10
56	2026KA56	24	18	9	11	14	12	6	6	15	10	45	35	20	15	10
57	2026KA57	22	22	9	13	21	10.5	13	10.5	15	7	41.5	48	31.5	15	7
58	2026KA58	24	22	9	12	18	13	14	13	15	9	46	48	31	15	9
59	2026KA59	AB	AB	AB	AB	AB	6	11	7	6	1	6	11	7	6	1
Number of students present		58	58	54	54	54	59	59	59	59	59	59	59	59	59	59
Number of Students absent		1	1	5	5	5	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	6	6.5	12.5	7.5	7.5	7.5	7.5	7.5	25.5	27	20	7.5	7.5
Number of students secured more		55	55	50	49	41	52	52	39	47	36	55	55	41	47	36
% of students secured more than		95	95	93	91	76	88	88	66	80	61	93	93	69	80	61
Correlation Level												3	3	2	3	2
Attainment 2.6																

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	58	24	55	95	3
	CO2	58	26	55	95	3
CIA - II	CO1	54	12	50	93	3
	CO2	54	13	49	91	3
	CO3	54	25	41	76	3
Model Exam	CO1	59	15	52	88	3
	CO2	59	15	52	88	3
	CO3	59	15	39	66	2
	CO4	59	15	47	80	3
	CO5	59	15	36	61	2
Cumulative	CO1	59	51	55	93	3
	CO2	59	54	55	93	3
	CO3	59	40	41	69	2
	CO4	59	15	47	80	3
	CO5	59	15	36	61	2

Course Outcome attainment = 2.6 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	2	2	2	3	2	3	1
CO2	3	2	3	2	2	1	3	1	3	1
CO3	3	3	3	2	2	2	3	2	3	2
CO4	3	3	3	2	3	2	3	2	3	2
CO5	3	3	3	2	2	2	3	2	3	2
2.6	3	2.8	3	2	2.2	1.8	3	1.8	3	1.6
Average	2.6	2.4	2.6	1.7	1.9	1.5	2.6	1.5	2.6	1.4


Prepared By


Approved By

Course End Report Odd Semester 2020 – 21

Name of the Programme	B.Sc. Computer Technology
Semester	I
Course Name	Core 2: Digital Fundamentals and Computer Architecture
Course Code	13B
Class	I B.Sc. CT - 'A'
Number of Students	59
Course Coordinator	Mr. S. Karthikeyan
Programme Coordinator	Ms.V.Sathyavathy

Course Outcomes

CO1	To familiarize with different number systems and digital arithmetic & logic circuits
CO2	To understand the concepts of Combinational Logic and Sequential Circuits
CO3	To impart the knowledge of buses, I/O devices, flip flops, Memory and bus structure.
CO4	To understand the concepts of memory hierarchy and memory organization
CO5	To understand the various types of microprocessor architecture

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	20/11/2020	50	24	26			
2	CIA - II	17/12/2020	50	12	13	25		
3	Model Exam	21/01/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

**KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF COMPUTER TECHNOLOGY**

CLASS : I B.Sc. CT - 'A'

SEMESTER : I

SUBJECT NAME : DIGITAL FUNDAMENTAL AND COMPUTER ARCHITECTURE

SUBJECT CODE : 13B

S. No.	Roll No.	CIA - I		CIA - II			MODEL EXAM					Consolidated				
		CO1	CO2	CO1	CO2	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		24	26	12	13	25	15	15	15	15	15	51	54	40	15	15
1	2026KA01	20	22	11	12	23	13	14	15	14	15	44	48	38	14	15
2	2026KA02	24	26	12	13	23	13	15	15	13	13	49	54	38	13	13
3	2026KA03	24	24	11	12	21	14	13	11	13	8	49	49	32	13	8
4	2026KA04	24	26	11	12	23	14	11	8	12	4	49	49	31	12	4
5	2026KA05	24	22	10	12	24	13	13	15	13	13	47	47	39	13	13
6	2026KA06	14	16	8	10	20	14	15	15	13	12	36	41	35	13	12
7	2026KA07	24	22	12	12	20	14	11	12	13	10	50	45	32	13	10

8	2026KA08	24	24	9	11	21	15	14	15	14	14	48	49	36	14	14
9	2026KA09	22	26	11	13	24	14	13	10	13	14	47	52	34	13	14
10	2026KA10	22	24	10	11	20	12	14	10	7	9	44	49	30	7	9
11	2026KA11	20	26	11	10	24	14	14	14	9	14	45	50	38	9	14
12	2026KA12	22	20	11	13	17	13	11	7	11	2	46	44	24	11	2
13	2026KA13	16	26	10	8	13	12	12	10	11	2	38	46	23	11	2
14	2026KA14	20	22	AB	AB	AB	14	9	11	10	14	34	31	11	10	14
15	2026KA15	24	26	10	11	21	12	13	11	13	10	46	50	32	13	10
16	2026KA16	24	26	11	13	22	15	15	15	14	14	50	54	37	14	14
17	2026KA17	22	20	9	12	19	12	12	7	9	2	43	44	26	9	2
18	2026KA18	22	26	10	12	22	14	14	15	15	14	46	52	37	15	14
19	2026KA19	24	24	11	13	19	14	15	14	14	11	49	52	33	14	11
20	2026KA20	24	26	11	12	25	15	15	15	13	13	50	53	40	13	13

21	2026KA21	20	26	9	8	13	14	3	7	5	6	43	37	20	5	6
22	2026KA22	22	24	11	12	21	15	13	15	13	7	48	49	36	13	7
23	2026KA23	22	26	10	11	21	14	9	12	14	9	46	46	33	14	9
24	2026KA24	24	26	11	13	22	14	15	15	15	14	49	54	37	15	14
25	2026KA25	24	26	12	13	25	15	14	14	14	14	51	53	39	14	14
26	2026KA26	20	18	10	13	19	13	13	6	10	7	43	44	25	10	7
27	2026KA27	24	24	10	10	14	15	15	15	13	7	49	49	29	13	7
28	2026KA28	22	24	11	12	24	14	14	15	14	12	47	50	39	14	12
29	2026KA29	24	26	9	13	22	15	11	11	10	7	48	50	33	10	7
30	2026KA30	24	26	11	13	25	15	14	15	12	14	50	53	40	12	14
31	2026KA31	22	26	11	12	21	13	9	11	6	7	46	47	32	6	7
32	2026KA32	20	16	11	13	22	15	12	12	11	6	46	41	34	11	6
33	2026KA33	16	24	AB	AB	AB	14	11	6	6	7	30	35	6	6	7
34	2026KA34	24	26	10	13	22	13	11	11	8	6	47	50	33	8	6
35	2026KA35	24	26	9	13	16	15	14	14	6	14	48	53	30	6	14
36	2026KA36	22	20	10	11	21	15	12	7	13	10	47	43	28	13	10

37	2026KA37	22	26	11	12	19	14	14	14	14	14	47	52	33	14	14
38	2026KA38	24	26	11	13	23	15	15	15	14	13	50	54	38	14	13
39	2026KA39	24	24	10	10	22	14	8	12	14	5	48	42	34	14	5
40	2026KA40	24	26	11	12	22	15	15	15	12	14	50	53	37	12	14
41	2026KA41	22	20	11	9	18	14	12	11	9	12	47	41	29	9	12
42	2026KA42	22	26	12	13	21	10	14	10	12	10	44	53	31	12	10
43	2026KA43	12	16	AB	AB	AB	10	11	3	9	7	22	27	3	9	7
44	2026KA44	22	26	11	13	25	14	14	14	15	13	47	53	39	15	13
45	2026KA45	22	20	11	11	20	13	2	11	8	11	46	33	31	8	11
46	2026KA46	20	24	9	10	17	14	9	10	10	4	43	43	27	10	4
47	2026KA47	14	12	7	12	18	10	8	10	6	6	31	32	28	6	6
48	2026KA48	24	24	11	12	22	15	15	15	15	13	50	51	37	15	13
49	2026KA49	24	26	11	13	22	15	15	15	13	13	50	54	37	13	13
50	2026KA50	14	14	10	12	18	9	10	12	6	5	33	36	30	6	5
51	2026KA51	24	26	10	13	24	12	13	11	14	9	46	52	35	14	9
52	2026KA52	22	24	11	12	20	14	14	14	13	11	47	50	34	13	11

53	2026KA53	20	22	11	12	19	12	7	11	9	6	43	41	30	9	6
54	2026KA54	24	26	9	12	22	13	12	11	12	7	46	50	33	12	7
55	2026KA55	24	20	10	12	21	14	14	13	13	15	48	46	34	13	15
56	2026KA56	24	26	9	12	23	10	13	12	12	8	43	51	35	12	8
57	2026KA57	24	24	11	13	24	14	13	14	14	13	49	50	38	14	13
58	2026KA58	24	26	11	13	24	14	15	15	14	14	49	54	39	14	14
59	2026KA59	AB	AB	AB	AB	AB	14	11	10	11	3	14	11	10	11	3
Number of students present		58	58	55	55	55	59	59	59	59	59	59	59	59	59	59
Number of Students absent		1	1	4	4	4	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	6	6.5	12.5	7.5	7.5	7.5	7.5	7.5	25.5	27	20	7.5	7.5
Number of students secured more than 50% marks		57	57	55	55	55	59	56	52	52	38	57	57	54	52	38
% of students secured more than 50% marks		98	98	100	100	100	100	95	88	88	64	97	97	92	88	64
Correlation Level												3	3	3	3	3
Attainment 03																

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more		Correlation level
				No.	%	
CIA - I	CO1	58	24	57	98	3
	CO2	58	26	57	98	3
CIA - II	CO1	55	12	55	100	3
	CO2	55	13	55	100	3
	CO3	55	25	55	100	3
Model Exam	CO1	59	15	59	100	3
	CO2	59	15	56	95	3
	CO3	59	15	52	88	3
	CO4	59	15	52	88	3
	CO5	59	15	38	64	3
Cumulative	CO1	59	51	57	97	3
	CO2	59	54	57	97	3
	CO3	59	40	54	92	3
	CO4	59	15	52	88	3
	CO5	59	15	38	64	3

Course Outcome Attainment = 03 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	2	3	2	3	2	2	1
CO2	3	2	3	2	2	3	2	2	2	1
CO3	3	3	3	2	3	3	3	2	2	2
CO4	3	3	3	3	3	3	3	2	3	3
CO5	3	3	3	3	3	3	3	2	3	3
03	3	2.8	3	2.4	2.8	2.8	2.8	2	2.4	2
Average	3	2.8	3	2.4	2.8	2.8	2.8	2	2.4	2

A. Kant

Prepared By

V. Jayaram

Approved By

Course End Report Odd Semester 2020 – 21

Programme Name	B.Sc. Computer Technology
Semester	I
Course Name	Allied Paper I : Mathematical Structure for computer Science
Course Code	1AA
Class	I B.Sc. CT – ‘A’
Number of Students	59
Course Coordinator	Ms. J. Nirmala
Programme Coordinator	Ms. V. Sathyavathy

Course Outcomes

CO1	Evaluate matrices and its various properties
CO2	Discuss various methods to solve simultaneous linear algebraic equations
CO3	Evaluate the concepts of numerical differentiation and integration
CO4	Understand the basic notions of measures of central tendency
CO5	Analyse different types of correlation and regression analysis

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	21/11/2020	50	24	26			
2	CIA - II	18/12/2020	50	12	13	25		
3	Model Exam	22/01/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : I B.Sc. CT - 'A'

SEMESTER : I

SUBJECT NAME : MATHEMATICAL STRUCTURES FOR COMPUTER SCIENCE

SUBJECT CODE : 1AA

S. No.	Roll No.	CIA - I		CIA - II			MODEL EXAM					Consolidated				
		CO1	CO2	CO1	CO2	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		24	26	12	13	25	15	15	15	15	15	51	54	40	15	15
1	2026KA01	22	26	9	11	19	15	15	15	14	15	46	52	34	14	15
2	2026KA02	20	18	11	12	19	15	15	14	15	15	46	45	33	15	15
3	2026KA03	20	20	12	13	16	15	15	15	14	15	47	48	31	14	15
4	2026KA04	24	26	8	10	15	15	15	15	7	6	47	51	30	7	6
5	2026KA05	24	24	12	12	18	15	15	15	15	14	51	51	33	15	14
6	2026KA06	20	20	7	9	12	15	15	15	15	14	42	44	27	15	14
7	2026KA07	22	22	9	9	17	15	15	13	15	15	46	46	30	15	15

8	2026KA08	20	26	11	9	18	15	15	15	15	14	46	50	33	15	14
9	2026KA09	24	24	10	12	24	14	15	15	15	15	48	51	39	15	15
10	2026KA10	18	24	12	12	23	14	15	15	15	15	44	51	38	15	15
11	2026KA11	24	20	11	10	12	15	14	14	15	15	50	44	26	15	15
12	2026KA12	16	14	9	9	17	15	15	13	7	6	40	38	30	7	6
13	2026KA13	20	16	10	9	16	14	15	15	15	15	44	40	31	15	15
14	2026KA14	22	20	AB	AB	AB	15	14	15	15	15	37	34	15	15	15
15	2026KA15	18	24	11	12	22	15	15	15	15	14	44	51	37	15	14
16	2026KA16	24	26	11	13	20	15	15	12	15	15	50	54	32	15	15
17	2026KA17	16	22	6	6	12	15	15	14	7	7	37	43	26	7	7
18	2026KA18	18	20	9	13	17	14	15	15	15	15	41	48	32	15	15
19	2026KA19	24	26	8	11	19	15	15	14	15	15	47	52	33	15	15
20	2026KA20	24	26	12	11	23	15	15	15	14	15	51	52	38	14	15
21	2026KA21	14	18	8	8	12	15	15	15	15	15	37	41	27	15	15

22	2026KA22	20	26	8	12	14	15	15	15	15	14	43	53	29	15	14
23	2026KA23	18	20	8	9	9	15	15	13	11	14	41	44	22	11	14
24	2026KA24	22	26	12	13	21	15	15	15	10	15	49	54	36	10	15
25	2026KA25	20	24	11	13	20	15	15	15	10	15	46	52	35	10	15
26	2026KA26	16	24	8	9	14	14	15	15	15	15	38	48	29	15	15
27	2026KA27	16	20	10	13	9	15	15	15	15	12	41	48	24	15	12
28	2026KA28	22	24	12	11	15	15	15	15	15	14	49	50	30	15	14
29	2026KA29	22	24	12	11	18	14	15	15	15	15	48	50	33	15	15
30	2026KA30	24	24	12	12	18	15	15	15	14	15	51	51	33	14	15
31	2026KA31	20	24	10	12	18	15	15	13	11	15	45	51	31	11	15
32	2026KA32	20	16	10	11	16	15	15	15	14	15	45	42	31	14	15
33	2026KA33	22	20	AB	AB	AB	13	15	13	7	6	35	35	13	7	6
34	2026KA34	22	24	10	10	16	15	15	14	7	7	47	49	30	7	7
35	2026KA35	22	24	7	10	19	15	15	15	14	15	44	49	34	14	15

36	2026KA36	22	24	10	10	18	13	15	13	9	13	45	49	31	9	13
37	2026KA37	24	20	12	10	19	15	15	15	15	14	51	45	34	15	14
38	2026KA38	24	26	12	13	17	15	15	13	11	15	51	54	30	11	15
39	2026KA39	22	26	8	5	11	15	15	13	11	15	45	46	24	11	15
40	2026KA40	22	26	12	12	19	15	15	15	15	14	49	53	34	15	14
41	2026KA41	20	22	10	11	8	15	15	14	15	15	45	48	22	15	15
42	2026KA42	24	26	10	13	19	15	15	15	15	14	49	54	34	15	14
43	2026KA43	16	12	AB	AB	AB	15	15	15	15	6	31	27	15	15	6
44	2026KA44	24	22	11	12	12	15	15	15	15	14	50	49	27	15	14
45	2026KA45	20	16	5	6	15	15	15	7	7	7	40	37	22	7	7
46	2026KA46	22	24	7	7	13	15	14	15	15	15	44	45	28	15	15
47	2026KA47	14	10	7	7	14	15	15	15	15	14	36	32	29	15	14
48	2026KA48	22	22	11	13	17	15	15	15	15	14	48	50	32	15	14
49	2026KA49	24	26	10	12	19	15	14	13	11	15	49	52	32	11	15

50	2026KA50	22	20	9	8	14	15	15	15	14	15	46	43	29	14	15
51	2026KA51	22	26	9	13	17	15	15	15	14	15	46	54	32	14	15
52	2026KA52	16	18	10	10	19	15	15	15	15	14	41	43	34	15	14
53	2026KA53	18	18	7	1	7	15	15	15	14	14	40	34	22	14	14
54	2026KA54	22	26	9	11	20	15	15	15	14	15	46	52	35	14	15
55	2026KA55	20	22	9	13	16	15	15	15	14	15	44	50	31	14	15
56	2026KA56	22	24	9	11	14	15	15	15	14	15	46	50	29	14	15
57	2026KA57	24	24	8	10	16	15	15	15	14	15	47	49	31	14	15
58	2026KA58	24	26	12	12	19	15	15	14	15	15	51	53	33	15	15
59	2026KA59	AB	AB	AB	AB	AB	14	11	6	7	6	14	11	10	11	3
Number of students present		58	58	55	55	55	59	59	59	59	59	59	59	59	59	59
Number of Students absent		1	1	4	4	4	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	6	6.5	12.5	7.5	7.5	7.5	7.5	7.5	25.5	27	20	7.5	7.5
Number of students secured		58	56	53	51	45	59	59	58	53	52	59	58	56	53	51
% of students secured more		100	97	96	93	82	100	100	98	90	88	100	98	95	90	88
Correlation Level												3	3	3	3	3
Attainment 03																

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	16	24	58	100	3
	CO2	16	26	56	97	3
CIA - II	CO1	16	12	53	96	3
	CO2	16	13	51	93	3
	CO3	16	25	45	82	3
Model Exam	CO1	16	15	58	100	3
	CO2	16	15	58	100	3
	CO3	16	15	57	98	3
	CO4	16	15	52	90	3
	CO5	16	15	51	88	3
Cumulative	CO1	16	51	58	100	3
	CO2	16	54	57	98	3
	CO3	16	40	55	95	3
	CO4	16	15	52	90	3
	CO5	16	15	51	88	3

Course Outcome attainment = 03 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	2	2	2	2	1	1	0	0	0
CO2	3	2	3	2	2	3	1	1	2	1	1	0
CO3	3	3	2	1	2	2	1	2	2	1	0	0
CO4	3	2	2	2	2	1	2	2	1	0	1	0
CO5	3	3	2	2	1	2	1	1	1	1	1	0
03	3	2.6	2.2	1.8	1.8	2	1.4	1.4	1.4	0.6	0.6	0
Average	3	2.6	2.2	1.8	1.8	2	1.4	1.4	1.4	0.6	0.6	0

Prepared By

Approved By



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COs Attainment

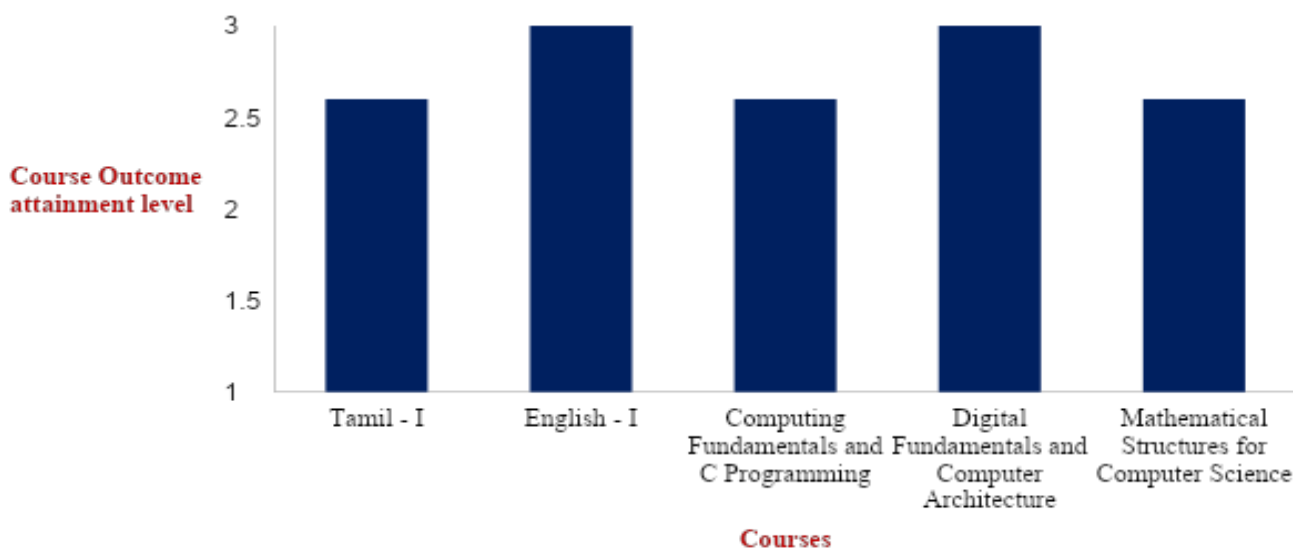
Class : I B.Sc. CT 'A'

Semester : I

Strength : 59

Batch :2020-2023

S. No.	Course Code	Name of the Course	Name of the Faculty	CO Attainment (3)
1	11T	Tamil - I	Ms.A.Jebachristy	2.6
2	12A	English - I	Mr.M.SanthoshKumar	03
3	13A	Computing Fundamentals and C Programming	Dr.G.Yashodha	2.6
4	13B	Digital Fundamentals and Computer Architecture	Mr.S.Karthikeyan	03
5	1AA	Mathematical Structures for Computer Science	Ms.J.Nirmala	03



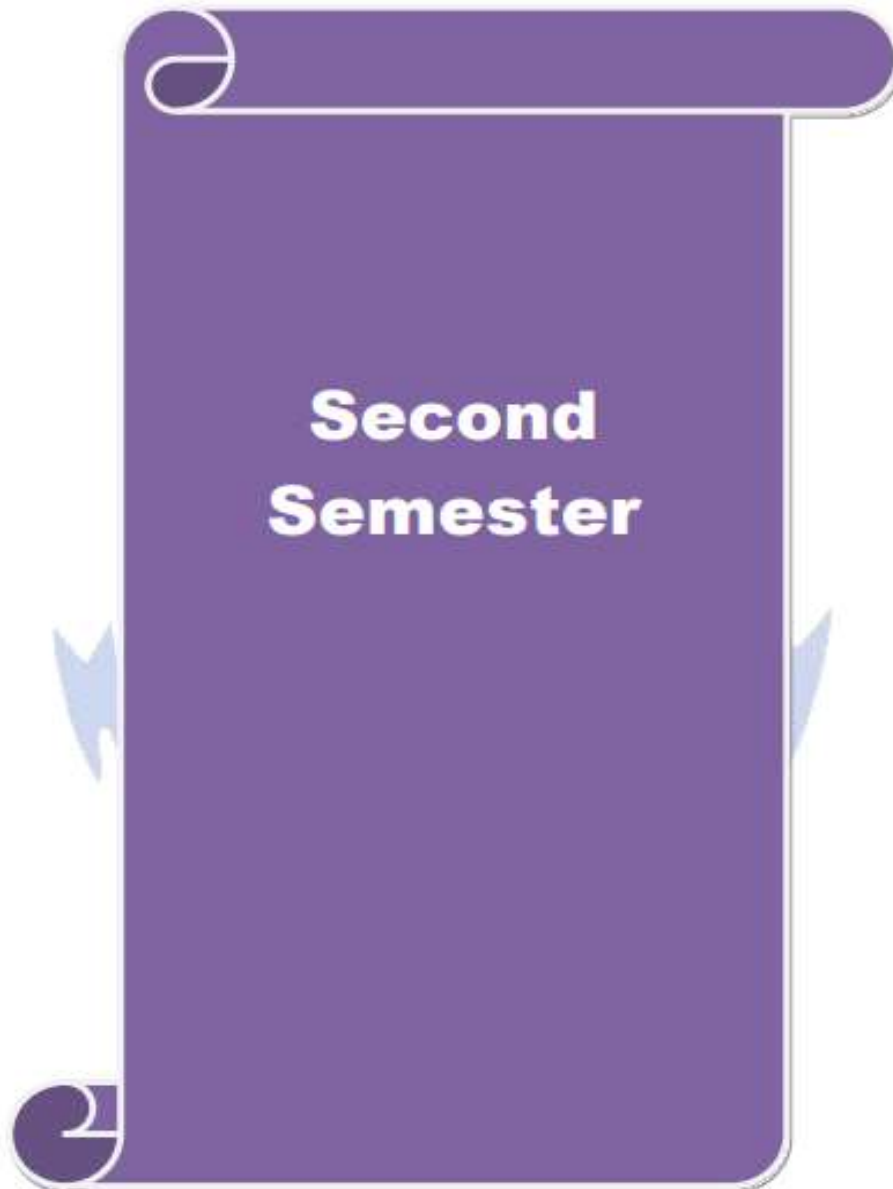
G. Jay

Prepared By

V. Jayaraman

Approved By

B. Sc. Computer Technology 2020-21 onwards - Affiliated Colleges - Annexure No.26
SCAA DATED: 23.09.2020



Course End Report Even Semester 2020 – 21

Programme Name	B.Sc. Computer Technology
Semester	II
Course Name	Tamil - II
Course Code	21T
Class	I B.Sc. CT - 'A'
Number of Students	52
Course Coordinator	Ms.A.Jeba Christy
Programme Coordinator	Dr.V.Sathyavathy

Course Outcomes

CO1	அற இலக்கியங்கள் வழி ஒழுக்கங்களைக் கற்றுத்தருல்
CO2	பக்தி இலக்கியங்கள் வழி பக்தி நெறிகளை உணர்த்துதல்
CO3	தமிழில் உரைநடை இலக்கியப் படைப்பாளர்களின் சிந்தனைகளை எடுத்துரைத்தல்
CO4	பிழையின்றி எழுத இலக்கணங்களைக் கற்றுத்தருதல்
CO5	தமிழ் இலக்கிய வரலாற்றில் அற இலக்கியம் மற்றும் உரை நடையின் தமிழ்ப்பணியை அறிதல்

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to Cos				
				CO1	CO2	CO3	CO4	CO5
1	CIA I	19/04/2021	50	30	20			
2	CIA - II	12/05/2021	50			30	20	
3	Model Exam	17/06/2021	50	10	10	10	10	10

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : I.B.Sc. CT- 'A'

SEMESTER : II

SUBJECT NAME : TAMIL - II

SUBJECT CODE : 21T

S. No.	Roll No.	CIA - I		CIA - II		MODEL EXAM					Consolidated				
		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes															
Total Marks		30	20	30	20	10	10	10	10	10	40	30	40	30	10
1	2026KA02	28	20	28	18	7	9	6	6	9	35	29	34	24	9
2	2026KA03	30	14	20	18	6	6	10	10	9	36	20	30	28	9
3	2026KA05	24	18	28	18	10	10	7	7	10	34	28	35	25	10
4	2026KA08	28	18	28	20	10	8	7	7	9	38	26	35	27	9
5	2026KA09	24	18	24	20	10	10	9	9	10	34	28	33	29	10
6	2026KA10	26	18	30	20	5	9	8	8	7	31	27	38	28	7
7	2026KA11	24	12	24	18	9	8	8	8	6	33	20	32	26	6
8	2026KA12	20	10	26	18	8	8	4	4	9	28	18	30	22	9
9	2026KA13	20	18	18	8	9	8	7	7	7	29	26	25	15	7

10	2026KA14	20	14	26	16	7	10	7	7	7	27	24	33	23	7
11	2026KA15	22	18	24	20	9	9	10	10	9	31	27	34	30	9
12	2026KA16	18	20	28	20	10	10	8	8	10	28	30	36	28	10
13	2026KA17	26	12	22	12	7	8	8	8	8	33	20	30	20	8
14	2026KA18	26	20	28	20	7	6	7	7	8	33	26	35	27	8
15	2026KA19	22	14	30	20	8	9	8	8	10	30	23	38	28	10
16	2026KA20	26	18	28	18	10	7	8	8	9	36	25	36	26	9
17	2026KA21	6	8	10	8	4	6	5	5	6	10	14	15	13	6
18	2026KA23	18	12	24	16	7	3	4	4	1	25	15	28	20	1
19	2026KA24	28	20	28	20	9	9	8	8	9	37	29	36	28	9
20	2026KA25	24	16	30	20	9	10	10	10	8	33	26	40	30	8
21	2026KA26	20	18	20	16	7	5	9	9	7	27	23	29	25	7
22	2026KA27	26	18	AB	AB	8	10	9	9	7	34	28	9	9	7
23	2026KA28	26	20	28	18	9	9	10	10	10	35	29	38	28	10
24	2026KA29	24	20	26	18	9	8	8	8	9	33	28	34	26	9
25	2026KA30	22	20	28	16	8	9	8	8	10	30	29	36	24	10

26	2026KA31	26	16	20	18	5	7	7	7	4	31	23	27	25	4
27	2026KA32	26	16	24	16	8	6	8	8	10	34	22	32	24	10
28	2026KA33	14	20	28	16	5	8	4	4	4	19	28	32	20	4
29	2026KA34	28	20	24	18	9	7	7	7	8	37	27	31	25	8
30	2026KA35	24	16	24	16	10	9	9	9	9	34	25	33	25	9
31	2026KA36	26	16	28	18	8	9	7	7	9	34	25	35	25	9
32	2026KA37	22	14	26	18	9	9	8	8	10	31	23	34	26	10
33	2026KA38	20	16	30	18	8	9	9	9	10	28	25	39	27	10
34	2026KA39	20	12	22	16	6	6	6	6	4	26	18	28	22	4
35	2026KA40	22	18	30	20	8	9	9	9	9	30	27	39	29	9
36	2026KA42	26	14	24	18	9	10	8	8	10	35	24	32	26	10
37	2026KA43	AB	AB	16	16	6	7	5	5	8	6	7	21	21	8
38	2026KA44	26	20	28	20	10	10	10	10	9	36	30	38	30	9
39	2026KA45	16	10	12	12	3	7	7	7	3	19	17	19	19	3
40	2026KA46	18	18	20	10	7	7	6	6	8	25	25	26	16	8
41	2026KA47	24	16	22	20	5	9	5	5	6	29	25	27	25	6

42	2026KA48	26	20	30	20	9	9	8	8	8	35	29	38	28	8
43	2026KA49	24	18	28	20	10	8	6	6	10	34	26	34	26	10
44	2026KA50	24	20	24	18	8	9	7	7	9	32	29	31	25	9
45	2026KA51	22	18	28	20	8	9	9	9	10	30	27	37	29	10
46	2026KA52	24	16	28	16	8	8	9	9	9	32	24	37	25	9
47	2026KA53	28	18	18	14	6	5	2	2	5	34	23	20	16	5
48	2026KA54	26	18	30	16	9	8	6	6	8	35	26	36	22	8
49	2026KA55	18	16	22	14	8	8	4	4	8	26	24	26	18	8
50	2026KA56	26	16	26	18	10	8	5	5	4	36	24	31	23	4
51	2026KA57	26	14	28	20	9	9	7	7	9	35	23	35	27	9
52	2026KA58	26	20	30	20	10	9	10	10	10	36	29	40	30	10
Number of students present		51	51	51	51	52	52	52	52	52	52	52	52	52	52
Number of students absent		1	1	1	1	0	0	0	0	0	0	0	0	0	0
50 % marks		15	10	15	10	5	5	5	5	5	20	15	20	15	5
Number of students secured more		49	48	49	48	46	49	43	43	45	48	49	48	49	45
% of students secured more than		94	92	94	92	88	94	83	83	87	92	94	92	94	87
Correlation Level											3	3	3	3	3
Attainment 03															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	51	30	49	94	3
	CO2	51	20	48	92	3
CIA - II	CO3	51	30	49	94	3
	CO4	51	20	48	92	3
Model Exam	CO1	51	10	46	88	3
	CO2	51	10	49	94	3
	CO3	51	10	43	83	3
	CO4	51	10	43	83	3
	CO5	51	10	45	87	3
Cumulative	CO1	51	40	48	92	3
	CO2	51	30	49	94	3
	CO3	51	40	48	92	3
	CO4	51	30	49	94	3
	CO5	51	10	45	87	3

Course Outcome Attainment = 03 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5
CO1	3	2	3	2	3
CO2	2	3	2	2	2
CO3	3	2	3	3	2
CO4	3	2	2	3	3
CO5	2	3	3	2	2
03	2.6	2.4	2.6	2.4	2.4
Average	2.6	2.4	2.6	2.4	2.4



Prepared By



Approved By

Course End Report Even Semester 2020 – 21

Programme Name	B.Sc. Computer Technology
Semester	II
Course Name	English - II
Course Code	22E
Class	I B.Sc. CT - 'A'
Number of Students	59
Course Coordinator	Dr.S.Rammanohar Pari
Programme Coordinator	Dr.V.Sathyavathy

Course Outcomes

CO1	Develop the ability to identify and produce English key sounds as well as its basic rhythm, stress and intonation patterns in context.
CO2	Skimming and scanning allows you to pick up some of the main ideas without paying attention to detail.
CO3	A modal is a type of auxiliary (helping) verb that is used to express: ability, possibility, permission or obligation.
CO4	Note taking keeps your body active and involved and helps you avoid feelings of drowsiness or distraction.
CO5	We use the present simple tense for an action we do generally or often, perhaps even on a daily basis, and is an action we do at the present time.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	20/04/2021	50	26	24			
2	CIA - II	13/05/2021	50	14	16	20		
3	Model Exam	19/06/2021	50	10	10	10	10	10

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : I B.Sc. CT - 'A'

SEMESTER : II

SUBJECT NAME : English II

SUBJECT CODE : 22E

S. No.	Roll No.	CIA - I		CIA - II			MODEL EXAM					Consolidated				
		CO1	CO2	CO1	CO2	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes		CO1	CO2	CO1	CO2	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		26	24	14	16	20	10	10	10	10	10	36	34	30	25	25
1	2026KA01	10	10	14	14	18	10	7	8	9	9	24	24	18	20	23
2	2026KA02	24	22	8	14	20	9	8	9	9	8	32	36	20	21	22
3	2026KA03	20	18	4	16	14	8	5	9	9	7	24	34	14	17	21
4	2026KA04	26	20	14	16	20	6	10	9	9	8	40	36	20	21	21
5	2026KA05	22	16	12	12	14	10	8	8	6	5	34	28	14	21	16
6	2026KA06	22	16	8	14	16	10	9	10	5	4	30	30	16	24	14
7	2026KA07	12	14	14	16	16	9	7	9	6	10	26	30	16	21	20
8	2026KA08	26	12	12	16	18	10	10	9	10	8	38	28	18	24	23

9	2026KA09	20	20	14	12	20	7	6	10	8	8	34	32	20	18	21
10	2026KA10	22	18	10	14	20	7	9	9	8	9	32	32	20	20	22
11	2026KA11	26	22	8	16	18	9	5	8	10	9	34	38	18	18	23
12	2026KA12	14	12	8	12	18	8	8	10	7	5	22	24	18	21	17
13	2026KA13	22	6	6	4	16	6	7	7	4	9	28	10	16	16	17
14	2026KA14	22	14	12	4	10	5	7	6	6	8	34	18	10	15	17
15	2026KA59	26	20	14	14	20	10	10	10	9	7	40	34	20	25	21
16	2026KA15	22	22	10	14	20	10	8	8	6	9	32	36	20	21	20
17	2026KA16	26	24	12	14	18	10	10	10	8	9	38	38	18	25	22
18	2026KA17	12	16	6	8	12	7	6	5	4	4	18	24	12	16	10
19	2026KA18	24	16	10	8	20	8	8	10	10	7	34	24	20	21	22
20	2026KA19	24	18	12	14	20	10	9	7	8	9	36	32	20	22	21
21	2026KA20	24	22	12	14	18	7	9	7	9	9	36	36	18	19	22
22	2026KA21	10	4	8	6	4	3	4	4	2	5	18	10	4	10	8
23	2026KA22	24	22	12	14	20	9	8	10	10	7	36	36	20	22	22
24	2026KA23	20	14	6	12	12	7	8	7	6	6	26	26	12	19	15

25	2026KA24	26	22	14	16	18	10	10	10	9	9	40	38	18	25	23
26	2026KA25	26	22	12	16	20	10	10	10	8	8	38	38	20	25	21
27	2026KA26	20	14	10	12	12	8	8	6	9	6	30	26	12	17	20
28	2026KA27	12	12	10	14	14	10	6	10	9	8	22	26	14	21	22
29	2026KA28	26	24	14	14	20	10	9	9	10	10	40	38	20	23	25
30	2026KA29	22	16	12	12	18	10	9	10	8	8	34	28	18	24	21
31	2026KA30	26	20	14	14	20	10	10	9	9	9	40	34	20	24	23
32	2026KA31	22	18	8	8	18	2	5	6	8	6	30	26	18	10	17
33	2026KA32	18	16	4	14	12	AB	AB	AB	AB	AB	22	30	12	0	0
34	2026KA33	22	20	10	10	18	7	6	9	5	6	32	30	18	18	15
35	2026KA34	26	22	10	12	20	9	6	5	4	7	36	34	20	17	14
36	2026KA35	24	14	8	14	12	9	5	8	7	8	32	28	12	18	19
37	2026KA36	20	16	8	14	18	7	9	9	7	8	28	30	18	20	20
38	2026KA37	26	24	14	14	18	9	9	8	8	8	40	38	18	21	21
39	2026KA38	26	24	12	14	20	10	10	9	7	6	38	38	20	24	18
40	2026KA39	22	18	10	12	18	10	9	10	8	7	32	30	18	24	20

41	2026KA40	26	22	8	14	20	7	6	6	7	8	34	36	20	17	17
42	2026KA41	20	14	8	12	16	10	10	10	10	7	28	26	16	25	22
43	2026KA42	26	20	14	14	18	9	9	8	6	7	40	34	18	23	16
44	2026KA43	6	8	10	10	16	8	9	8	8	7	16	18	16	20	20
45	2026KA44	24	10	14	16	20	6	5	4	6	6	38	26	20	13	14
46	2026KA45	12	4	12	10	12	9	10	9	7	9	24	14	12	23	21
47	2026KA46	20	10	4	14	12	7	7	9	6	6	24	24	12	18	17
48	2026KA47	22	20	2	2	10	7	4	6	7	6	24	22	10	13	17
49	2026KA48	26	22	12	16	20	1	3	4	5	4	38	38	20	6	11
50	2026KA49	26	24	12	16	20	10	10	9	8	8	38	40	20	24	21
51	2026KA50	22	12	8	10	16	10	10	9	6	8	30	22	16	25	18
52	2026KA51	26	16	14	12	14	10	8	5	8	8	40	28	14	19	20
53	2026KA52	22	22	12	16	20	9	7	7	7	8	34	38	20	19	19
54	2026KA53	24	20	4	8	14	9	10	9	9	9	28	28	14	23	23
55	2026KA54	26	22	14	16	16	6	7	8	7	8	40	38	16	17	19
56	2026KA55	22	18	14	16	18	7	7	7	9	6	36	34	18	16	20

57	2026KA56	22	22	12	16	16	7	10	10	9	8	34	38	16	22	22
58	2026KA57	22	14	14	16	20	10	8	10	7	8	36	30	20	23	20
59	2026KA58	24	22	14	16	20	9	10	9	9	8	38	38	20	23	22
Number of students		59	59	59	59	59	58	58	58	58	58	59	59	59	58	58
Number of students		0	0	0	0	0	1	1	1	1	1	0	0	0	1	1
50 % marks		13	12	7	8	10	5	5	5	5	5	18	17	15	12.5	12.5
Number of students		55	52	51	55	58	56	55	55	54	55	56	54	58	56	55
% of students secured		93	88	86	93	98	95	93	83	92	93	95	92	98	94	93
Correlation Level												3	3	3	3	3
Attainment 03																

Analysis of Continuous Internal Assessment Test

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	59	26	55	93	3
	CO2	59	24	52	88	3
CIA - II	CO1	59	14	51	86	3
	CO2	59	16	55	93	3
	CO3	59	20	58	98	3
Model Exam	CO1	58	10	56	95	3
	CO2	58	10	55	93	3
	CO3	58	10	55	83	3
	CO4	58	10	54	92	3
	CO5	58	10	55	93	3
Cumulative	CO1	59	36	56	95	3
	CO2	59	34	54	92	3
	CO3	59	30	58	98	3
	CO4	58	25	56	94	3
	CO5	58	25	55	93	3

Course Outcome Attainment = 03 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	1	2	2	1	1	2	3	2
CO2	1	3	3	3	2	2	2	2	1	2
CO3	2	3	3	2	3	3	2	1	2	2
CO4	2	2	3	3	3	3	3	1	3	3
CO5	3	3	2	3	3	3	3	1	3	2
03	2.2	2.8	2.4	2.6	2.6	2.4	2.2	1.4	2.4	2.2
Average	2.2	2.8	2.4	2.6	2.6	2.4	2.2	1.4	2.4	2.2

S.P. K...

Prepared By

V. Jayaraman

Approved By

Course End Report Even Semester 2020 – 21

Programme Name	B.Sc. Computer Technology
Semester	II
Course Name	Core 3: C++ Programming
Course Code	23A
Class	I B.Sc. CT – ‘A’
Number of Students	59
Course Coordinator	Dr.G.Yashodha
Programme Coordinator	Dr.V.Sathyavathy

Course Outcomes

CO1	Define the different programming paradigm such as procedure oriented and object oriented programming methodology and conceptualize elements of OO methodology
CO2	Illustrate and model real world objects and map it into programming objects for a legacy system.
CO3	Identify the concepts of inheritance and its types and develop applications using overloading features.
CO4	Discover the usage of pointers with classes
CO5	Explain the usage of Files, templates and understand the importance of exception Handling

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	19/04/2021	50	26	24			
2	CIA - II	12/05/2021	50			26	24	
3	Model Exam	18/06/2021	50	10	8	12	10	10

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		Moderate(2)
3		Substantial(3)

**KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF COMPUTER TECHNOLOGY**

CLASS : I B.Sc. CT - 'A'

SEMESTER : II

SUBJECT NAME : C++ PROGRAMMING

SUBJECT CODE : 23A

S. No.	Roll No.	CIA - I		CIA - II		MODEL EXAM					Consolidated				
		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		26	24	26	24	10	8	12	10	10	36	32	38	34	10
1	2026KA01	20	22	22	24	9	7	9	5	7	29	29	31	29	7
2	2026KA02	22	22	22	16	5	6	12	6	8	27	28	34	22	8
3	2026KA03	20	12	16	18	5	7	9	6	8	25	19	25	24	8
4	2026KA04	26	24	26	24	8	7	10	6	7	34	31	36	30	7
5	2026KA05	18	20	20	18	10	6	11	10	7	28	26	31	28	7
6	2026KA06	18	18	18	16	8	6	4	5	5	26	24	22	21	5
7	2026KA07	24	14	22	14	5	5	4	6	7	29	19	26	20	7
8	2026KA08	24	20	26	24	8	6	8	9	9	32	26	34	33	9

9	2026KA09	24	22	26	20	10	6	10	8	7	34	28	36	28	7
10	2026KA10	16	16	26	22	7	8	6	9	7	23	24	32	31	7
11	2026KA11	22	18	26	24	7	7	9	9	8	29	25	35	33	8
12	2026KA12	20	22	22	16	8	7	12	6	7	28	29	34	22	7
13	2026KA13	12	18	14	18	9	6	7	7	4	21	24	21	25	4
14	2026KA14	16	18	20	12	7	7	6	4	4	23	25	26	16	4
15	2026KA15	22	24	4	18	8	5	5	4	1	30	29	9	22	1
16	2026KA16	26	24	26	22	10	8	12	10	10	36	32	38	32	10
17	2026KA17	18	16	18	18	9	6	11	5	8	27	22	29	23	8
18	2026KA18	22	20	26	22	10	8	9	8	7	32	28	35	30	7
19	2026KA19	18	20	22	22	6	6	10	7	7	24	26	32	29	7
20	2026KA20	24	22	18	20	10	7	12	7	10	34	29	30	27	10
21	2026KA21	AB	AB	2	0	5	2	4	1	1	5	2	6	1	1
22	2026KA22	20	20	16	14	10	7	9	7	5	30	27	25	21	5

23	2026KA23	20	18	22	14	5	4	6	6	4	25	22	28	20	4
24	2026KA24	24	24	26	24	10	8	12	9	9	34	32	38	33	9
25	2026KA25	24	22	26	24	10	8	12	8	10	34	30	38	32	10
26	2026KA26	18	18	18	12	9	6	11	5	9	27	24	29	17	9
27	2026KA27	6	6	20	12	8	6	5	5	4	14	12	25	17	4
28	2026KA28	24	24	26	22	10	8	12	8	9	34	32	38	30	9
29	2026KA29	18	20	26	18	8	6	9	8	9	26	26	35	26	9
30	2026KA30	26	24	26	24	9	8	12	10	10	35	32	38	34	10
31	2026KA31	22	18	10	8	5	5	7	3	3	27	23	17	11	3
32	2026KA32	20	20	22	14	8	7	10	7	9	28	27	32	21	9
33	2026KA33	18	10	4	10	8	4	5	5	3	26	14	9	15	3
34	2026KA34	16	16	26	22	3	7	11	7	9	19	23	37	29	9
35	2026KA35	20	16	18	14	9	7	7	6	6	29	23	25	20	6
36	2026KA36	24	18	22	16	8	8	9	7	8	32	26	31	23	8

37	2026KA37	24	24	26	20	9	6	12	7	8	33	30	38	27	8
38	2026KA38	22	24	24	22	10	7	9	9	7	32	31	33	31	7
39	2026KA39	20	6	18	14	8	4	8	3	1	28	10	26	17	1
40	2026KA40	24	20	26	20	10	7	10	8	7	34	27	36	28	7
41	2026KA41	20	24	22	18	7	5	8	7	7	27	29	30	25	7
42	2026KA42	24	22	24	22	10	8	9	9	7	34	30	33	31	7
43	2026KA43	AB	AB	14	0	3	5	3	4	7	3	5	17	4	7
44	2026KA44	24	24	22	20	10	8	11	9	9	34	32	33	29	9
45	2026KA45	20	8	12	10	7	7	4	4	6	27	15	16	14	6
46	2026KA46	22	24	8	6	5	4	3	3	3	27	28	11	9	3
47	2026KA47	2	10	10	0	2	5	5	5	3	4	15	15	5	3
48	2026KA48	26	22	24	18	9	8	11	10	8	35	30	35	28	8
49	2026KA49	26	24	24	22	9	8	12	9	9	35	32	36	31	9
50	2026KA50	16	18	14	16	8	6	8	6	8	24	24	22	22	8
51	2026KA51	20	22	18	14	6	6	11	4	6	26	28	29	18	6

52	2026KA52	22	24	26	20	7	7	10	8	9	29	31	36	28	9
53	2026KA53	18	12	18	18	6	7	6	6	5	24	19	24	24	5
54	2026KA54	26	24	24	20	8	6	10	8	9	34	30	34	28	9
55	2026KA55	14	20	20	10	7	8	11	7	8	21	28	31	17	8
56	2026KA56	24	22	22	16	10	4	9	5	5	34	26	31	21	5
57	2026KA57	26	24	24	24	7	7	9	9	9	33	31	33	33	9
58	2026KA58	24	22	26	20	10	8	11	9	10	34	30	37	29	10
59	2026KA59	24	22	24	14	8	8	9	8	9	32	30	33	22	9
Number of students		57	57	59	59	59	59	59	59	59	59	59	59	59	59
Number of students		2	2	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	13	12	5	4	6	5	5	18	16	19	17	5
Number of students		54	50	52	48	49	53	45	42	44	55	52	51	47	44
% of students secured		95	88	88	81	83	90	76	71	75	93	88	86	80	75
Correlation Level											3	3	3	3	3
Attainment 03															

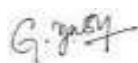
Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	57	26	54	95	3
	CO2	57	24	50	88	3
CIA - II	CO3	59	26	52	88	3
	CO4	59	24	48	81	3
Model Exam	CO1	59	10	49	83	3
	CO2	59	8	53	90	3
	CO3	59	12	45	76	3
	CO4	59	10	42	71	3
	CO5	59	10	44	75	3
Cumulative	CO1	59	36	55	93	3
	CO2	59	32	52	88	3
	CO3	59	38	51	86	3
	CO4	59	34	47	80	3
	CO5	59	10	44	75	3

Course Outcome Attainment = 03 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	2	2	2	2	2	2	1
CO2	3	3	3	3	3	3	3	2	2	2
CO3	3	3	3	3	3	3	3	2	2	2
CO4	3	3	3	3	3	3	3	2	2	3
CO5	3	3	3	3	3	3	3	2	2	3
03	3	3	3	2.8	2.8	2.8	2.8	2	2	2.2
Average	3	3	3	2.8	2.8	2.8	2.8	2	2	2.2



Prepared By



Approved By

Course End Report Even Semester 2020 – 21

Programme Name	B.Sc. Computer Technology
Semester	II
Course Name	Discrete Mathematics
Course Code	2AA
Class	I B.Sc. CT - 'A'
Number of Students	59
Course Coordinator	Dr.P.R. Kavitha
Programme Coordinator	Dr.V.Sathyavathy

Course Outcomes

CO1	Understand the basic concepts of Set theory.
CO2	Understand and to construct Truth tables for Basic connectives and Derived connectives.
CO3	Analyze types of Relations and Functions.
CO4	Understand and Analyze the types of Grammar in Language and in Automata.
CO5	Understand then properties of Graphs and Binary Tree and Apply it for computer representation.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	21/04/2021	50	26	24			
2	CIA - II	15/05/2021	50			22	28	
3	Model Exam	22/06/2021	50	10	9	10	11	10

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : I B.Sc. CT - 'A'

SEMESTER : II

SUBJECT NAME : DISCRETE MATHEMATICS

SUBJECT CODE : 2AA

S. No.	Roll No.	CIA - I		CIA - II		MODEL EXAM					Consolidated				
		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		26	24	22	28	10	9	10	11	10	36	33	32	39	10
1	2026KA01	18	22	12	18	7	7	7	7	6	25	29	19	25	6
2	2026KA02	22	22	14	20	9	8	8	9	8	31	30	22	29	8
3	2026KA03	20	16	12	18	8	7	7	4	4	28	23	19	22	4
4	2026KA04	20	20	12	22	6	5	4	5	5	26	25	16	27	5
5	2026KA05	24	20	20	24	8	9	8	9	7	32	29	28	33	7
6	2026KA06	24	20	6	18	9	7	8	6	4	33	27	14	24	4
7	2026KA07	10	14	10	10	6	5	5	3	5	16	19	15	13	5

8	2026KA08	22	18	14	18	10	9	5	8	8	32	27	19	26	8
9	2026KA09	26	22	14	16	7	9	10	7	7	33	31	24	23	7
10	2026KA10	16	24	18	26	8	7	8	8	6	24	31	26	34	6
11	2026KA11	22	24	20	20	9	9	7	8	8	31	33	27	28	8
12	2026KA12	16	16	12	18	4	6	5	4	7	20	22	17	22	7
13	2026KA13	18	18	16	22	6	8	4	7	6	24	26	20	29	6
14	2026KA14	20	18	20	8	6	8	6	7	3	26	26	26	15	3
15	2026KA59	22	22	12	22	8	5	3	8	5	30	27	15	30	5
16	2026KA15	24	20	10	12	9	6	7	8	7	33	26	17	20	7
17	2026KA16	26	24	16	24	10	9	9	10	6	36	33	25	34	6
18	2026KA17	10	14	8	6	6	5	5	5	8	16	19	13	11	8
19	2026KA18	22	18	20	22	9	8	9	9	8	31	26	29	31	8
20	2026KA19	22	22	16	24	8	8	5	8	7	30	30	21	32	7
21	2026KA20	24	22	20	26	5	7	8	6	9	29	29	28	32	9
22	2026KA21	A	A	8	4	4	4	4	2	4	4	4	12	6	4
23	2026KA22	20	22	16	22	8	8	9	8	7	28	30	25	30	7

24	2026KA23	16	20	8	22	7	6	6	6	4	23	26	14	28	4
25	2026KA24	26	24	20	26	10	9	10	10	9	36	33	30	36	9
26	2026KA25	26	24	12	28	10	9	9	10	10	36	33	21	38	10
27	2026KA26	14	12	8	12	7	6	6	8	6	21	18	14	20	6
28	2026KA27	20	20	12	24	6	7	6	7	6	26	27	18	31	6
29	2026KA28	24	24	18	22	10	9	10	10	7	34	33	28	32	7
30	2026KA29	8	6	22	22	9	7	6	10	6	17	13	28	32	6
31	2026KA30	26	22	14	26	10	9	8	9	9	36	31	22	35	9
32	2026KA31	18	18	8	8	5	4	8	9	5	23	22	16	17	5
33	2026KA32	14	20	14	20	5	6	1	3	6	19	26	15	23	6
34	2026KA33	12	14	16	16	7	6	7	5	1	19	20	23	21	1
35	2026KA34	26	24	20	26	8	7	10	8	9	34	31	30	34	9
36	2026KA35	10	10	12	14	7	7	4	8	6	17	17	16	22	6
37	2026KA36	18	20	10	18	7	7	8	5	8	25	27	18	23	8
38	2026KA37	20	24	16	24	8	9	9	8	10	28	33	25	32	10
39	2026KA38	26	22	16	28	7	9	8	9	6	33	31	24	37	6

40	2026KA39	22	16	10	10	6	5	7	4	4	28	21	17	14	4
41	2026KA40	26	16	16	20	9	9	9	10	4	35	25	25	30	4
42	2026KA41	16	18	20	18	9	7	8	9	4	25	25	28	27	4
43	2026KA42	26	24	14	22	10	9	8	7	7	36	33	22	29	7
44	2026KA43	0	0	8	6	3	2	3	2	2	3	2	11	8	2
45	2026KA44	24	24	16	28	10	8	8	9	8	34	32	24	37	8
46	2026KA45	14	16	12	10	2	2	9	7	4	16	18	21	17	4
47	2026KA46	22	18	10	18	6	3	5	6	5	28	21	15	24	5
48	2026KA47	20	14	6	12	2	1	1	3	3	22	15	7	15	3
49	2026KA48	24	22	16	24	10	9	7	9	8	34	31	23	33	8
50	2026KA49	26	24	20	26	10	9	9	10	8	36	33	29	36	8
51	2026KA50	18	16	18	18	7	8	8	8	8	25	24	26	26	8
52	2026KA51	22	22	16	24	7	6	7	9	5	29	28	23	33	5
53	2026KA52	18	22	18	22	8	9	8	8	7	26	31	26	30	7
54	2026KA53	22	18	12	6	4	6	4	5	3	26	24	16	11	3
55	2026KA54	24	18	10	20	8	6	7	7	7	32	24	17	27	7

56	2026KA55	16	16	8	14	9	9	9	10	9	25	25	17	24	9
57	2026KA56	22	22	14	16	9	8	6	8	9	31	30	20	24	9
58	2026KA57	24	22	10	20	7	5	6	6	8	31	27	16	26	8
59	2026KA58	26	24	12	22	10	9	9	10	9	36	33	21	32	9
Number of students present		58	58	59	59	59	59	59	59	59	59	59	59	59	59
Number of Students absent		1	1	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	11	14	5	4.5	5	5.5	5	18	16.5	16	19.5	5
Number of students secured more		52	54	43	45	50	53	44	46	40	52	55	43	49	40
% of students secured more than		90	93	73	76	85	90	75	78	68	88	93	73	83	68
Correlation Level											3	3	3	3	2
Attainment 2.8															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	58	26	52	90	3
	CO2	58	24	54	93	3
CIA - II	CO3	59	22	43	73	3
	CO4	59	28	45	76	3
Model Exam	CO1	59	10	50	85	3
	CO2	59	9	53	90	3
	CO3	59	10	44	75	3
	CO4	59	11	46	78	3
	CO5	59	10	40	68	2
Cumulative	CO1	59	36	52	88	3
	CO2	59	33	55	93	3
	CO3	59	32	43	73	3
	CO4	59	39	49	83	3
	CO5	59	10	40	68	2

Course Outcome Attainment = 2.8 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	2	0	0	1	1	0	0	0	0	0	1
CO2	2	1	0	0	1	1	0	0	0	0	0	1
CO3	2	2	0	0	1	0	0	0	0	0	0	1
CO4	2	0	2	0	1	1	0	0	0	0	1	2
CO5	3	2	2	1	1	1	0	0	0	2	0	0
2.8	2.4	1.4	0.8	0.2	1	0.8	0	0	0	0.4	0.2	1
Average	2.2	1.3	0.7	0.2	0.9	0.7	0	0	0	0.4	0.2	0.9

P.R.Lt
Prepared By

V. Ganapathy
Approved By



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COs Attainment

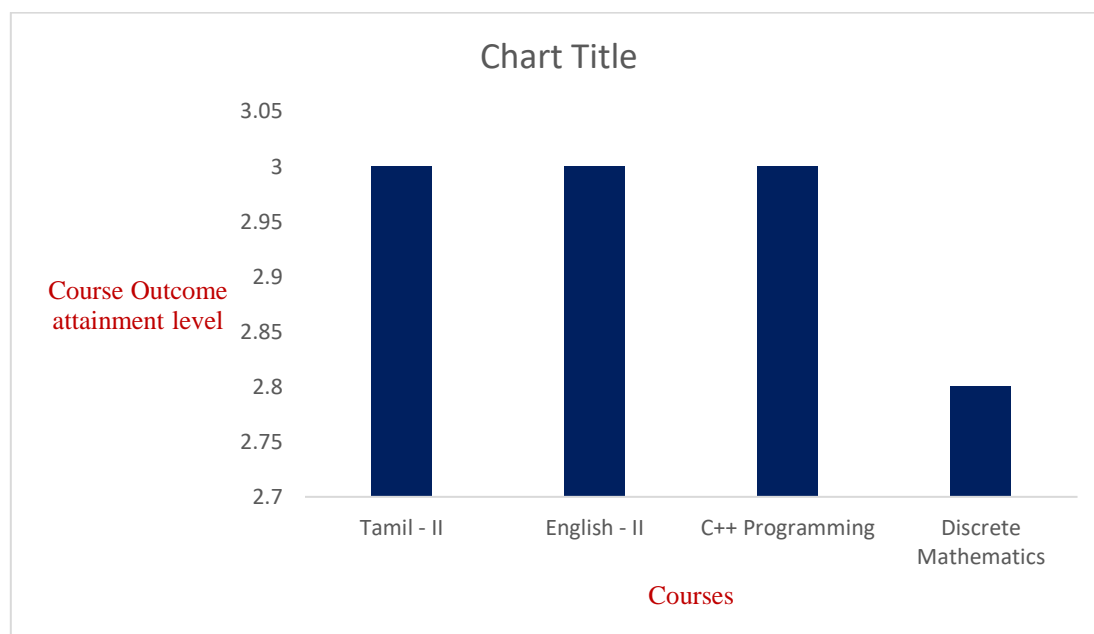
Class : I B.Sc. CT 'A'
2023

Semester : II

Strength : 59

Batch : 2020-

S. No.	Course Code	Name of the Course	Name of the Faculty	CO Attainment (3)
1	21T	Tamil - II	Ms.A.Jebachristy	03
2	22A	English - II	Dr.S.Rammanoharpari	03
3	23A	C++Programming	Dr.G.Yashodha	03
4	2AA	Discrete Mathematics	Dr.P.R.Kavitha	2.8



G. Yashodha

Prepared by

V. Ganesh

Approved by



**Third
Semester**

Course End Report Odd Semester 2021– 22

Programme Name	B.Sc. Computer Technology
Semester	III
Course Name	Core 3: Data Structures
Course Code	33A
Class	II B.Sc. CT A
Number of Students	59
Course Coordinator	Dr.G.Yashodha
Programme Coordinator	Dr.V.Sathyavathy

Course Outcomes

CO1	Understand the basic concepts of data structures and algorithms.
CO2	Construct and analyze of stack and queue operations with illustrations.
CO3	Enhance the knowledge of Linked List and dynamic storage management.
CO4	Demonstrate the concept of trees and its applications.
CO5	Design and implement various sorting and searching algorithms for applications and understand the concept of file organizations.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Mark Distribution on COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	23/08/2021	50	20	30			
2	CIA - II	27/09/2021	50			24	26	
3	Model Exam	27/12/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

**KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF COMPUTER TECHNOLOGY**

CLASS : II B.Sc. CT - 'A'

SEMESTER : III

SUBJECT NAME : DATA STRUCTURES

SUBJECT CODE : 33A

S. No.	Roll No.	CIA - I		CIA - II		Model					Consolidated				
		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		20	30	24	26	15	15	15	15	15	35	45	39	41	15
1	2026KA01	20	22	20	22	6	3	4	1	1	26	25	24	23	s
2	2026KA02	18	28	22	24	10	4	6	5	6	28	32	28	29	6
3	2026KA03	14	22	22	16	10	4	6	2	1	24	26	28	18	1
4	2026KA04	20	28	24	24	7	2	3	1	1	27	30	27	25	1
5	2026KA05	20	30	22	24	13	4	8.5	5.5	9	33	34	30.5	29.5	9
6	2026KA06	16	26	20	20	7.5	3.5	8.5	3	5.5	23.5	29.5	28.5	23	5.5
7	2026KA07	18	28	16	24	8	3	2	1	4	26	31	18	25	4
8	2026KA08	16	10	20	22	9	7.5	4	3	6.5	25	17.5	24	25	6.5
9	2026KA09	20	26	22	22	14	7	8.5	7.5	3	34	33	30.5	29.5	3
10	2026KA10	12	20	8	8	7.5	2	3.5	2	2	19.5	22	11.5	10	2
11	2026KA11	AB	AB	22	20	6	2	2.5	5.5	4	6	2	24.5	25.5	4
12	2026KA12	14	30	24	16	12	2	8	1	2	26	32	32	17	2

13	2026KA13	14	26	12	16	2	3	2	1	0	16	29	14	17	0
14	2026KA14	12	20	16	20	7	4	2	3	2	19	24	18	23	2
15	2026KA15	4	26	20	10	8	3	6	3	4	12	29	26	13	4
16	2026KA16	18	30	24	26	10	9.5	8.5	6	4.5	28	39.5	32.5	32	4.5
17	2026KA17	12	24	22	8	6	3	4	4	2	18	27	26	12	2
18	2026KA18	16	26	18	18	11	4	4	6	8	27	30	22	24	8
19	2026KA19	12	24	16	22	10	1	5	3	0	22	25	21	25	0
20	2026KA20	18	30	20	22	14	6	8	5	9	32	36	28	27	9
21	2026KA21	6	6	12	2	2	2	0	1	0	8	8	12	3	0
22	2026KA22	20	26	24	16	9	5	4	2	7	29	31	28	18	7
23	2026KA23	12	22	14	18	3	3	2	3	2	15	25	16	21	2
24	2026KA24	20	28	24	26	14	6	7	4	7	34	34	31	30	7
25	2026KA25	18	28	24	20	10	5	6	2	6	28	33	30	22	6
26	2026KA26	16	16	8	24	8	2	3	1	2	24	18	11	25	2
27	2026KA27	12	16	18	8	10	3	4	4	3	22	19	22	12	3
28	2026KA28	20	30	24	24	13	2	6	6	7	33	32	30	30	7
29	2026KA29	12	24	20	12	5	3	1	2	1	17	27	21	14	1
30	2026KA30	20	22	22	26	11	9	4	4	3	31	31	26	30	3
31	2026KA31	12	12	16	4	3	4	2	2	1	15	16	18	6	1
32	2026KA32	4	30	18	12	9	6	5	4	2	13	36	23	16	2
33	2026KA33	10	6	8	20	2	4	2	3	4	12	10	10	23	4
34	2026KA34	16	30	24	16	10	6	2	0	1	26	36	26	16	1

35	2026KA35	12	24	20	22	8	5	4	1	6	20	29	24	23	6
36	2026KA36	16	30	22	22	12	4	6	3	5	28	34	28	25	5
37	2026KA37	12	28	24	26	12	5	5	6	10	24	33	29	32	10
38	2026KA38	18	30	22	24	10	7	4	7	3	28	37	26	31	3
39	2026KA39	10	22	18	8	2	2	1	4	5	12	24	19	12	5
40	2026KA40	14	30	24	22	11	6	4	9	9	25	36	28	31	9
41	2026KA41	12	24	12	18	8	3	2	3	2	20	27	14	21	2
42	2026KA42	14	24	22	22	3	2	2	3	2	17	26	24	25	2
43	2026KA43	4	10	12	10	4	3	0	3	1	8	13	12	13	1
44	2026KA44	16	28	22	22	5	3	3	1	2	21	31	25	23	2
45	2026KA45	8	24	14	8	2	2	0	2	3	10	26	14	10	3
46	2026KA46	12	18	18	14	1	3	2	2	1	13	21	20	16	1
47	2026KA47	AB	AB	8	8	AB	AB	AB	AB	AB	0	0	8	8	0
48	2026KA48	18	26	22	22	5	2	6	3	5	23	28	28	25	5
49	2026KA49	18	30	24	26	8	6	6	6	4	26	36	30	32	4
50	2026KA50	10	28	22	14	9	6	5	1	4	19	34	27	15	4
51	2026KA51	12	14	24	24	8	4	8	1	5	20	18	32	25	5
52	2026KA52	14	30	22	20	9	2	4	4	4	23	32	26	24	4
53	2026KA53	14	16	14	12	3	3	2	0	3	17	19	16	12	3
54	2026KA54	18	30	22	26	5	3	3	2	3	23	33	25	28	3
55	2026KA55	12	28	24	24	5	4	3	1	2	17	32	27	25	2
56	2026KA56	20	26	20	4	6	2	4	0	2	26	28	24	4	2

57	2026KA57	20	28	22	20	8	5	6	2	1	28	33	28	22	1
58	2026KA58	20	30	24	26	11	6	5	3	5	31	36	29	29	5
59	2026KA59	AB	AB	16	0	3	2	3	1	2	3	2	19	1	2
Number of students present		56	56	59	59	58	58	58	58	58	58	58	59	59	58
Number of students absent		3	3	0	0	1	1	1	1	1	1	1	0	0	1
50 % marks		10	15	12	13	7.5	7.5	7.5	7.5	7.5	17.5	22.5	19.5	20.5	7.5
Number of students secured more than 50% marks		48	50	51	44	33	2	7	1	5	41	45	43	43	5
% of students secured more than 50% marks		86	89	86	75	57	3	12	2	9	71	78	73	73	9
Correlation Level											3	3	3	3	1

Attainment 2.6

Analysis of continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	56	20	48	86	3
	CO2	56	30	50	89	3
CIA - II	CO3	59	24	51	86	3
	CO4	59	26	44	75	3
Model Exam	CO1	58	15	33	57	1
	CO2	58	15	2	3	1
	CO3	58	15	7	12	1
	CO4	58	15	1	2	1
	CO5	58	15	5	9	1
Cumulative	CO1	58	35	41	71	3
	CO2	58	45	45	78	3
	CO3	59	39	43	73	3
	CO4	59	41	43	73	3
	CO5	58	15	5	9	1

Course Outcome Attainment = 2.6 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	2	2	2	2	2	2	2
CO2	3	3	3	2	2	2	3	2	2	2
CO3	3	3	3	2	3	2	3	2	3	3
CO4	3	3	3	2	3	3	2	3	2	2
CO5	3	3	3	2	2	3	2	2	2	3
2.6	3	3	3	2	2.4	2.4	2.4	2.2	2.2	2.4
Average	2.6	2.6	2.6	1.7	2.0	2.0	2.0	1.9	1.9	2.0

G. Jay

Prepared By

V. Jayaram

Approved By

Course End Report Odd Semester 2021– 22

Programme Name	B.Sc. Computer Technology
Semester	III
Course Name	Core 4: Java Programming
Course Code	33B
Class	II B.Sc. CT - 'A'
Number of Students	59
Course Coordinator	Ms.A.Lavanya
Programme Coordinator	Dr.V.Sathyavathy

Course Outcomes

CO1	The competence and the development of small to medium sized application programs that demonstrate professionally acceptable coding
CO2	Demonstrate the concept of object oriented programming through Java
CO3	Apply the concept of Inheritance, Modularity, Concurrency, Exceptions handling and data persistence to develop java program
CO4	Develop java programs for applets and graphics programming
CO5	Understand the fundamental concepts of AWT controls, layouts and Events

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Mark Distribution on COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	25/08/2021	50	20	30			
2	CIA - II	29/09/2021	50			24	26	
3	Model Exam	28/12/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : II B.Sc. CT - 'A'

SEMESTER : III

SUBJECT NAME : JAVA PROGRAMMING

SUBJECT CODE : 33B

S. No.	Roll No.	CIA - I		CIA - II		MODEL					Consolidated				
		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		20	30	26	24	15	15	15	15	15	35	45	41	39	15
1	2026KA01	14	22	22	16	5	2	1	0	1	19	24	23	16	1
2	2026KA02	16	26	22	20	11	10	7	8	5	27	36	29	28	5
3	2026KA03	18	28	22	16	7	5	2	3	1	25	33	24	19	1
4	2026KA04	18	28	26	22	5	3	3	1	4	23	31	29	23	4
5	2026KA05	18	28	26	22	12	11	10	12	9	30	39	36	34	9
6	2026KA06	12	18	26	20	8	7	5	8	3	20	25	31	28	3
7	2026KA07	12	26	26	24	5	4	2	1	3	17	30	28	25	3
8	2026KA08	14	26	22	22	9	7	3	1	2	23	33	25	23	2
9	2026KA09	14	26	22	18	12	12	11	11	9	26	38	33	29	9
10	2026KA10	10	24	8	10	6	2	2	2	4	16	26	10	12	4
11	2026KA11	AB	AB	26	18	4	7	1	5	4	4	7	27	23	4
12	2026KA12	14	26	24	18	8	7	5	1	4	22	33	29	19	4
13	2026KA13	14	20	18	16	2	2	1	0	0	16	22	19	16	0

14	2026KA14	14	20	16	14	7	5	2	3	6	21	25	18	17	6
15	2026KA15	14	22	16	14	7	2	1	6	1	21	24	17	20	1
16	2026KA16	20	30	26	24	7	6	7	11	11	27	36	33	35	11
17	2026KA17	14	26	18	16	6	3	1	3	4	20	29	19	19	4
18	2026KA18	16	26	22	22	12	10	6	11	8	28	36	28	33	8
19	2026KA19	14	26	26	22	11	6	5	1	8	25	32	31	23	8
20	2026KA20	14	28	24	22	12	11	7	10	12	26	39	31	32	12
21	2026KA21	6	4	4	4	0	1	2	0	0	6	5	6	4	0
22	2026KA22	18	26	22	24	12	9	4	12	4	30	35	26	36	4
23	2026KA23	8	18	14	18	9	4	2	8	3	17	22	16	26	3
24	2026KA24	18	28	26	22	11	8	4	11	5	29	36	30	33	5
25	2026KA25	16	24	24	24	12	11	3	6	5	28	35	27	30	5
26	2026KA26	18	14	14	14	9	5	2	0	3	27	19	16	14	3
27	2026KA27	16	8	0	0	5	2	2	8	5	21	10	2	8	5
28	2026KA28	16	28	26	22	12	7	10	11	4	28	35	36	33	4
29	2026KA29	14	20	26	20	5	2	1	1	0	19	22	27	21	0
30	2026KA30	14	30	26	22	3	9	5	7	6	17	39	31	29	6
31	2026KA31	14	8	12	10	3	2	3	2	1	17	10	15	12	1
32	2026KA32	18	26	24	16	10	7	4	1	6	28	33	28	17	6
33	2026KA33	4	6	18	8	4	0	1	1	3	8	6	19	9	3
34	2026KA34	16	24	22	18	6	2	3	6	1	22	26	25	24	1
35	2026KA35	AB	AB	18	18	7	7	5	11	1	7	7	23	29	1
36	2026KA36	10	24	20	22	9	5	3	8	5	19	29	23	30	5
37	2026KA37	18	28	24	24	8	8	4	10	3	26	36	28	34	3
38	2026KA38	14	28	22	24	12	13	12	12	11	26	41	34	36	11
39	2026KA39	14	26	18	10	9	9	2	2	0	23	35	20	12	0
40	2026KA40	18	28	24	24	11	12	11	11	7	29	40	35	35	7
41	2026KA41	18	28	22	18	3	2	7	4	2	21	30	29	22	2

42	2026KA42	12	22	26	24	8	4	2	12	5	20	26	28	36	5
43	2026KA43	18	28	AB	AB	4	1	2	1	1	22	29	2	1	1
44	2026KA44	12	22	26	22	7	4	1	9	5	19	26	27	31	5
45	2026KA45	14	16	22	20	5	2	2	3	2	19	18	24	23	2
46	2026KA46	10	10	14	12	2	1	1	1	0	12	11	15	13	0
47	2026KA47	6	6	6	6	AB	AB	AB	AB	AB	6	6	6	6	0
48	2026KA48	16	30	20	18	7	2	3	5	5	23	32	23	23	5
49	2026KA49	18	28	24	24	8	8	5	7	7	26	36	29	31	7
50	2026KA50	12	18	26	22	6	3	2	9	5	18	21	28	31	5
51	2026KA51	12	26	26	22	12	8	6	12	4	24	34	32	34	4
52	2026KA52	18	26	26	22	6	6	3	7	8	24	32	29	29	8
53	2026KA53	16	26	20	8	7	5	5	3	1	23	31	25	11	1
54	2026KA54	14	22	22	22	10	7	5	6	3	24	29	27	28	3
55	2026KA55	14	26	22	18	7	5	4	7	2	21	31	26	25	2
56	2026KA56	18	24	18	18	7	1	2	4	1	25	25	20	22	1
57	2026KA57	16	30	22	20	8	5	3	6	3	24	35	25	26	3
58	2026KA58	18	30	22	20	10	10	5	11	5	28	40	27	31	5
59	2026KA59	14	26	20	20	4	0	1	1	1	18	26	21	21	1
Number of students present		57	57	58	58	58	58	58	58	58	59	59	59	59	59
Number of Students absent		2	2	1	1	1	1	1	1	1	0	0	0	0	0
50 % marks		10	15	13	12	7.5	7.5	7.5	7.5	7.5	17.5	22.5	20.5	19.5	7.5
Number of students secured more than 50% marks		50	50	53	49	27	16	5	22	8	47	45	43	41	7
% of students secured more than 50% marks		88	88	91	84	47	28	9	38	14	80	76	73	69	12
Correlation Level											3	3	3	2	1
Attainment 2.4															

Analysis of continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	57	20	50	88	3
	CO2	57	30	50	88	3
CIA - II	CO3	58	24	53	91	3
	CO4	58	26	49	84	3
Model Exam	CO1	58	15	27	47	1
	CO2	58	15	16	28	1
	CO3	58	15	5	9	1
	CO4	58	15	22	38	1
	CO5	58	15	8	14	1
Cumulative	CO1	59	35	47	80	3
	CO2	59	45	45	76	3
	CO3	59	31	43	73	3
	CO4	59	41	41	69	2
	CO5	58	15	7	12	1

Course Outcome Attainment = 2.4 (Moderate)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	2	3	1	3	2	2	2
CO2	3	3	3	2	3	1	3	2	2	2
CO3	3	3	3	2	3	2	3	3	2	2
CO4	3	3	3	2	3	2	2	3	2	2
CO5	3	3	3	2	3	2	3	3	2	2
2.4	3	3	3	2	3	1.6	2.8	2.6	2	2
Average	2.4	2.4	2.4	1.6	2.4	1.2	2.2	2.0	1.6	1.6

Prepared By

Approved By

Course End report Odd Semester 2021 – 22

Programme Name	B.Sc Computer Technology
Semester	III
Course Name	E-Commerce
Course Code	3AC
Class	II B.Sc CT - 'A'
Number of Students	59
Course Coordinator	Mr.S.Deepankumar
Programme Coordinator	Dr.V.Sathayavathy

Course Outcomes

On completion of this course, the successful students should be able to:

CO1	Define the fundamental Concepts of E-Commerce and Supply chain Management.
CO2	Explain the process of Business Strategy and Inter Organizational Transactions.
CO3	Illustrate the concepts of E-market, EDI with its Communication and Security.
CO4	Develop the various technologies used to build E-Commerce websites.
CO5	Summarize the concepts of E-Business with real-time Examples

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	26/08/2021	50	26	24			
2	CIA - II	30/09/2021	50			26	24	
3	MODEL	29/12/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE															
DEPARTMENT OF COMPUTER TECHNOLOGY															
CLASS : II B.Sc. CT - 'A'											SEMESTER : III				
SUBJECT NAME : E-COMMERCE											SUBJECT CODE : 3AC				
S. No.	Roll No.	CIA - I		CIA - II		MODEL					Consolidated				
Course Outcomes		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		26	24	26	24	15	15	15	15	15	41	39	41	39	15
1	2026KA01	20	18	24	20	10	5	5	9	4	30	23	29	29	4
2	2026KA02	20	18	22	22	12	7	5	11	6	32	25	27	33	6
3	2026KA03	20	18	10	16	11	3	4	8	2	31	21	14	24	2
4	2026KA04	26	20	16	20	7	5	4	4	3	33	25	20	24	3
5	2026KA05	22	20	24	20	13	0	11	8	6	35	20	35	28	6
6	2026KA06	22	18	24	22	13	9	10	10	4	35	27	34	32	4
7	2026KA07	24	22	16	16	5	2	3	5	5	29	24	19	21	5
8	2026KA08	20	16	24	24	10	11	11	10	1	30	27	35	34	1
9	2026KA09	20	20	16	24	13	5	10	12	12	33	25	26	36	12
10	2026KA10	18	16	22	20	6	0	6	9	4	24	16	28	29	4
11	2026KA11	AB	AB	20	20	13	8	1	8	6	13	8	21	28	6
12	2026KA12	18	12	18	20	9	3	2	6	4	27	15	20	26	4
13	2026KA13	24	20	12	16	4	2	1	3	3	28	22	13	19	3
14	2026KA14	20	6	4	18	11	6	7	8	7	31	12	11	26	7
15	2026KA15	20	22	12	20	12	4	9	11	1	32	26	21	31	1

16	2026KA16	24	22	26	24	13	12	12	12	11	37	34	38	36	11
17	2026KA17	16	12	18	16	13	12	8	9	11	29	24	26	25	11
18	2026KA18	22	10	18	18	13	4	12	11	6	35	14	30	29	6
19	2026KA19	18	20	22	20	12	11	5	4	2	30	31	27	24	2
20	2026KA20	24	14	24	22	12	6	13	10	3	36	20	37	32	3
21	2026KA21	8	2	4	8	2	1	2	3	2	10	3	6	11	2
22	2026KA22	20	20	22	22	11	6	8	9	8	31	26	30	31	8
23	2026KA23	8	12	16	6	8	4	1	2	4	16	16	17	8	4
24	2026KA24	26	20	22	20	13	4	1	11	11	39	24	23	31	11
25	2026KA25	16	22	26	22	13	4	7	12	8	29	26	33	34	8
26	2026KA26	16	20	18	14	13	4	2	10	1	29	24	20	24	1
27	2026KA27	16	10	20	20	13	4	12	6	8	29	14	32	26	8
28	2026KA28	26	22	26	24	13	5	4	13	2	39	27	30	37	2
29	2026KA29	22	20	24	24	9	5	2	6	3	31	25	26	30	3
30	2026KA30	24	22	26	24	12	4	11	12	5	36	26	37	36	5
31	2026KA31	16	2	12	16	4	4	5	5	0	20	6	17	21	0
32	2026KA32	12	12	22	10	12	13	12	9	6	24	25	34	19	6
33	2026KA33	14	10	18	20	9	1	5	6	0	23	11	23	26	0
34	2026KA34	14	10	20	22	8	0	2	4	3	22	10	22	26	3
35	2026KA35	10	10	24	16	6	9	10	12	1	16	19	34	28	1
36	2026KA36	24	16	22	22	11	10	7	7	5	35	26	29	29	5
37	2026KA37	22	18	24	22	13	4	9	11	2	35	22	33	33	2
38	2026KA38	22	20	26	20	9	13	10	8	9	31	33	36	28	9
39	2026KA39	18	18	18	12	3	1	1	1	2	21	19	19	13	2
40	2026KA40	20	22	26	22	13	10	11	5	8	33	32	37	27	8
41	2026KA41	24	20	18	22	10	1	4	9	7	34	21	22	31	7
42	2026KA42	20	24	18	20	8	3	5	6	5	28	27	23	26	5
43	2026KA43	14	8	26	24	9	3	1	0	0	23	11	27	24	0

44	2026KA44	18	24	AB	AB	13	4	5	13	11	31	28	5	13	11
45	2026KA45	16	6	18	20	7	3	6	4	4	23	9	24	24	4
46	2026KA46	14	6	8	14	5	0	2	10	8	19	6	10	24	8
47	2026KA47	4	6	2	2	10	8	9	6	4	14	14	11	8	4
48	2026KA48	24	20	24	22	13	7	4	7	6	37	27	28	29	6
49	2026KA49	20	24	26	20	12	12	12	9	8	32	36	38	29	8
50	2026KA50	18	14	20	18	5	12	9	6	2	23	26	29	24	2
51	2026KA51	24	18	20	24	13	12	4	12	8	37	30	24	36	8
52	2026KA52	18	22	24	22	13	10	10	11	4	31	32	34	33	4
53	2026KA53	10	6	10	18	9	1	1	6	2	19	7	11	24	2
54	2026KA54	26	24	22	16	12	10	1	6	1	38	34	23	22	1
55	2026KA55	24	24	24	22	13	11	12	5	6	37	35	36	27	6
56	2026KA56	20	22	12	6	13	5	4	5	5	33	27	16	11	5
57	2026KA57	26	22	22	18	6	1	8	5	12	32	23	30	23	12
58	2026KA58	20	22	26	24	13	7	11	8	13	33	29	37	32	13
59	2026KA59	16	2	18	16	8	4	4	2	0	24	6	22	18	0
Number of students present		58	58	58	58	59	59	59	59	59	59	59	59	59	59
Number of students absent		1	1	1	1	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	13	12	7.5	7.5	7.5	7.5	7.5	20.5	19.5	20.5	19.5	7.5
Number of students secured more than 50% marks		52	40	48	52	47	18	24	32	15	51	40	43	50	15
% of students secured more than 50% marks		90	69	83	90	80	31	41	54	25	86	68	73	85	25
Correlation Level											3	2	3	3	1
Attainment 2.4															

Analysis of continuous Internal Assessment Test

Test	Cos	Number of students	Marks in QP	Students scored more		Correlation level
				No.	%	
CIA - I	CO1	58	26	52	90	3
	CO2	58	24	40	69	2
CIA - II	CO3	58	26	48	83	3
	CO4	58	24	52	90	3
Model Exam	CO1	59	15	47	80	3
	CO2	59	15	18	31	1
	CO3	59	15	24	41	1
	CO4	59	15	32	54	1
	CO5	59	15	15	25	1
Cumulative	CO1	59	41	51	86	3
	CO2	59	39	40	68	2
	CO3	59	41	43	73	3
	CO4	59	39	50	85	3
	CO5	59	15	15	25	1

Course Outcome Attainment = 2.4 (Moderate)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	0	2	0	0	1	2	2	1	2	1	1	2
CO2	0	2	0	1	2	1	1	2	2	2	2	2
CO3	0	1	0	2	2	1	1	0	2	3	1	1
CO4	0	2	1	0	2	1	1	0	2	2	1	1
CO5	0	1	1	2	2	1	2	1	1	2	0	1
2.4	0	1.6	0.4	1	1.8	1.2	1.4	0.8	1.8	2	1	1.4
Average	0	1.3	0.3	0.8	1.4	1	1.1	0.6	1.4	1.6	0.8	1.1

S. D. Jankumar

Prepared by

V. Jankumar

Approved by

Course End Report Even Semester 2020–21

Name of the Programme	B.Sc. Computer Technology
Semester	III
Course Name	Data Communication and Networks
Course Code	3ZA
Class	II B.Sc.CT –‘A’
Number of Students	59
Course Coordinator	Ms.P.R.Pameela Rani
Programme Coordinator	Dr.V.Sathavathy

Course Outcomes

CO1	Understand the basics of communications and networking.
CO2	Understand and remember the analog and digital transmission methods, mode of transmissions, parallel and serial communications, etc.
CO3	Understand and analyse the transmission media, network topology and switching Techniques.
CO4	Remember, understand the network protocols and the functions of the OSI model.
CO5	Understand the ISDN architecture, interfaces, protocols, ATM cells and layers.

Course Outcomes Assessment methods

1. CIA–I (Continuous Internal Assessment – I)
2. CIA–II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S.No.	Assessment name	Date	Total marks	Marks Distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	27/08/2021	50	20	30			
2	CIA - II	01/10/2021	50			30	20	
3	Model Exam	30/12/2021	75	16	14	17	15	13

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 60%
2		61 %-70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : II B.Sc. CT - 'A'

SEMESTER : III

SUBJECT NAME : DATA COMMUNICATION AND NETWORKS

SUBJECT CODE : 3ZA

S. No.	Roll No.	CIA - I		CIA - II		MODEL					Consolidated				
		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Course Outcomes		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		20	30	30	20	16	14	17	15	13	36	44	47	35	13
1	2026KA01	18	28	24	18	4	1	3	1	4	22	29	27	19	4
2	2026KA02	18	28	26	20	5	6	7	3	3	23	34	33	23	3
3	2026KA03	8	24	18	18	0	2	5	1	2	8	26	23	19	2
4	2026KA04	18	30	22	16	5	2	5.5	4.5	0	23	32	27.5	20.5	0
5	2026KA05	16	26	24	16	10	9	11.5	9	6.5	26	35	35.5	25	6.5
6	2026KA06	14	14	30	18	8.5	8	10	7.5	3	22.5	22	40	25.5	3
7	2026KA07	14	20	18	14	3	4	6	2	0	17	24	24	16	0

8	2026KA08	14	30	26	18	7	6	10.5	6	1.5	21	36	36.5	24	1.5
9	2026KA09	18	28	22	18	13	7.5	13.5	7	6	31	35.5	35.5	25	6
10	2026KA10	16	26	10	12	4	3	7.5	1.5	1	20	29	17.5	13.5	1
11	2026KA11	14	24	14	14	6.5	6.5	7	9	4	20.5	30.5	21	23	4
12	2026KA12	14	22	18	14	5	4	10.5	1	3.5	19	26	28.5	15	3.5
13	2026KA13	16	26	26	14	2	0	3	1	0	18	26	29	15	0
14	2026KA14	14	22	18	14	4	7	5	3	1	18	29	23	17	1
15	2026KA15	14	26	16	16	5.5	1	7	2	1.5	19.5	27	23	18	1.5
16	2026KA16	18	30	30	20	13	10	15	11	7	31	40	45	31	7
17	2026KA17	16	18	26	18	8	3	7	4	6	24	21	33	22	6
18	2026KA18	12	22	24	14	7	7	6.5	5	4.5	19	29	30.5	19	4.5
19	2026KA19	12	22	26	18	2	9.5	8.5	3	4	14	31.5	34.5	21	4
20	2026KA20	16	30	22	18	8	14	15	1	9	24	44	37	19	9
21	2026KA21	AB	AB	AB	AB	3	1	4	1	0	3	1	4	1	0
22	2026KA22	14	26	26	18	11	10	14	11	6	25	36	40	29	6
23	2026KA23	12	22	30	18	5	2	5	4	0	17	24	35	22	0
24	2026KA24	18	28	AB	AB	13	12	13	2	7	31	40	13	2	7

25	2026KA25	18	30	28	18	7	9.5	9	6	6.5	25	39.5	37	24	6.5
26	2026KA26	14	26	AB	AB	6	7	8	6	0	20	33	8	6	0
27	2026KA27	16	22	20	18	9	10	9	2	4	25	32	29	20	4
28	2026KA28	18	30	30	18	8	13	11.5	4.5	8	26	43	41.5	22.5	8
29	2026KA29	14	22	28	18	8	5	4	1	0	22	27	32	19	0
30	2026KA30	18	28	30	18	5	8	12	10	8	23	36	42	28	8
31	2026KA31	12	12	18	10	4	0	3	4	1	16	12	21	14	1
32	2026KA32	12	26	20	14	7	5	7	0	0	19	31	27	14	0
33	2026KA33	AB	AB	24	16	3	0	2	0	0	3	0	26	16	0
34	2026KA34	10	18	28	16	6	4	6	3	0	16	22	34	19	0
35	2026KA35	14	16	18	20	7.5	11.5	11	4	2	21.5	27.5	29	24	2
36	2026KA36	14	22	22	20	6.5	9	9	9.5	2	20.5	31	31	29.5	2
37	2026KA37	18	24	28	16	6	7	7	7	6	24	31	35	23	6
38	2026KA38	18	30	24	20	7	10	11	6	4	25	40	35	26	4
39	2026KA39	14	22	AB	AB	7.5	5	7	2.5	0	21.5	27	7	2.5	0
40	2026KA40	18	28	26	20	13	10	13	10	6	31	38	39	30	6
41	2026KA41	12	26	20	14	4	3	9	3	5	16	29	29	17	5

42	2026KA42	18	28	28	20	6	7	5	6	0	24	35	33	26	0
43	2026KA43	8	6	AB	AB	2	0	0	1	0	10	6	0	1	0
44	2026KA44	16	30	30	20	7	7	12	0	10	23	37	42	20	10
45	2026KA45	12	18	AB	AB	4	3	4	1	2	16	21	4	1	2
46	2026KA46	10	16	10	16	4	1	0	1	0	14	17	10	17	0
47	2026KA47	AB	AB	AB	AB	AB	AB	AB	AB	AB	0	0	0	0	0
48	2026KA48	16	28	26	20	4	7	8	2	7	20	35	34	22	7
49	2026KA49	18	30	26	18	14.5	11.5	13	8	6	32.5	41.5	39	26	6
50	2026KA50	10	18	18	16	4	4	10	5	4	14	22	28	21	4
51	2026KA51	14	20	28	20	8	9.5	15	14	2.5	22	29.5	43	34	2.5
52	2026KA52	18	22	26	18	8	4	8	7	0	26	26	34	25	0
53	2026KA53	16	20	16	16	8	1	2	5	2	24	21	18	21	2
54	2026KA54	18	26	30	16	10	9	12	7	3	28	35	42	23	3
55	2026KA55	14	24	28	20	5	6	8	4	7	19	30	36	24	7
56	2026KA56	16	24	20	12	5	7	8	8	2	21	31	28	20	2
57	2026KA57	16	26	26	18	2	7	8	13	11	18	33	34	31	11
58	2026KA58	18	26	28	20	6	11	9	8	6	24	37	37	28	6

59	2026KA59	AB	AB	AB	AB	2	3	4	2	0	2	3	4	2	0
Number of students present		55	55	51	51	58	58	58	58	58	58	58	58	58	58
Number of students absent		4	4	8	8	1	1	1	1	1	1	1	1	1	1
50 % marks		10	15	15	10	8	7	8.5	7.5	6.5	18	22	23.5	17.5	6.5
Number of students secured more than 50% marks		50	52	48	50	10	20	24	12	9	41	46	43	41	9
% of students secured more than 50% marks		91	95	94	98	17	34	41	21	16	71	79	74	71	16
Correlation Level											3	3	3	3	1
Attainment 2.6															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation Level
				No.	%	
CIA - I	CO1	55	20	50	91	3
	CO2	55	30	52	95	3
CIA -II	CO3	51	30	48	94	3
	CO4	51	20	50	91	3
Model Exam	CO1	58	16	10	17	1
	CO2	58	14	20	34	1
	CO3	58	17	24	41	1
	CO4	58	15	12	21	1
	CO5	58	13	09	16	1
Cumulative	CO1	58	36	41	71	3
	CO2	58	44	46	79	3
	CO3	58	47	43	74	3
	CO4	58	35	41	71	3
	CO5	58	13	09	16	1

Course Outcome Attainment = 2.6 (Substantial)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	2	3	2	3	3	3	3	2
CO2	3	3	3	3	3	3	3	2	3	2
CO3	3	2	3	3	2	2	3	2	3	2
CO4	3	2	3	2	3	3	2	2	3	2
CO5	3	2	3	3	3	3	2	3	3	2
2.6	3	2.2	2.8	2.8	2.6	2.8	2.6	2.4	3	2
Average	2.6	1.9	2.4	2.4	2.2	2.4	2.2	2.0	2.6	1.7

P. J. R.

Prepared by

V. Jayaraman

Approved by



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COs Attainment

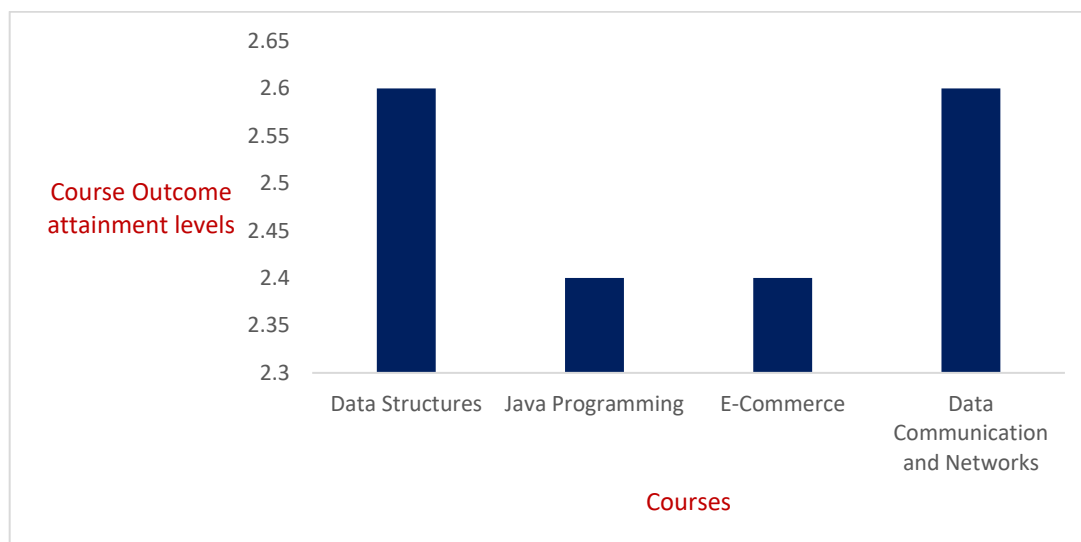
Class : II B.Sc. CT 'A'
2023

Semester : III

Strength : 59

Batch : 2020-

S. No.	Course Code	Name of the Course	Name of the Faculty	CO Attainment (3)
1	33A	Data Structures	Dr. G. Yashodha	2.6
2	33B	Java Programming	Ms.A.Lavanya	2.4
3	3AC	E-Commerce	Mr.S.Deepankumar	2.4
4	3ZA	Data Communication and Networks	Ms.P.R.Pameela Rani	2.6



G. yashodha

Prepared by

V. Ganesh

Approved by

B. Sc. Computer Technology 2020-21 onwards - Affiliated Colleges - Annexure No.26
SCAA DATED: 23.09.2020



Fourth Semester

Course End report Even Semester 2021 – 22

Programme Name	B.Sc. Computer Technology
Semester	IV
Course Name	Core 5: System Software and Operating System
Course Code	43A
Class	II B.Sc. CT A
Number of Students	59
Course Coordinator	Dr. G. Yashodha / Dr. V. Sathyavathy
Programme Coordinator	Dr. V. Sathyavathy

Course Outcomes

CO1	Know the program generation and program execution activities in detail
CO2	Understand the concepts of Macro Expansions and Gain the knowledge of Editing processes
CO3	Remember the basic concepts of operating system
CO4	Understand the concepts like interrupts, deadlock , memory management and file management
CO5	Analyze the need for scheduling algorithms and implement different algorithms used for representation, scheduling, and allocation in DOS and UNIX operating system.

Course Outcomes Assessment methods

1. CIA (Continuous Internal Assessment)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Mark Distribution on COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA	28/03/2022	50	20	30			
2	Model Exam	01/06/2022	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 30%
2		31 % - 50%
3		More than 50%

KG COLLEGE OF ARTS AND SCIENCE													
DEPARTMENT OF COMPUTER TECHNOLOGY													
CLASS : II B.Sc. CT - 'A'										SEMESTER : IV			
SUBJECT NAME : SYSTEM SOFTWARE AND OPERATING SYSTEM										SUBJECT CODE:43A			
S.No.	Roll No	CIA		UG Model Examination					Consolidated				
Course Outcomes		CO1	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO3	CO2	CO4	CO5
Total Marks		18	32	14	15	15	16	15	32	47	15	16	15
1	2026KA01	4	9	8	5	10	1	0	12	19	5	1	0
2	2026KA02	13	11	10	2	12	7	3	23	23	2	7	3
3	2026KA03	5	12	9	2	10	6	1	14	22	2	6	1
4	2026KA04	2	4	3	3	2	3	0	5	6	3	3	0
5	2026KA05	9	16	5	4	13	11	1	14	29	4	11	1
6	2026KA06	3	11	11	5	6	5	0	14	17	5	5	0
7	2026KA07	5	8	3	3	13	4	2	8	21	3	4	2
8	2026KA08	7	14	5	2	13	11	7	12	27	2	11	7
9	2026KA09	6	23	5	5	15	12	7	11	38	5	12	7

10	2026KA10	6	8	3	1	5	1	1	9	13	11	1	1
11	2026KA11	11	10	10	8	13	8	6	21	23	8	8	6
12	2026KA12	6	18	8	3	9	9	2	14	27	3	9	2
13	2026KA13	AB	AB	1	2	2	1	0	1	2	2	1	0
14	2026KA14	5	9	9	2	11	6	2	14	20	2	6	2
15	2026KA15	8	5	5	5	6	6	3	13	11	5	6	3
16	2026KA16	12	15	12	9	8	7	10	24	23	9	7	10
17	2026KA17	7	6	4	2	7	6	3	11	13	2	6	3
18	2026KA18	5	12	4	2	13	7	2	9	25	2	7	2
19	2026KA19	3	13	5	1	9	12	5	8	22	11	12	5
20	2026KA20	15	13	AB	AB	AB	AB	AB	15	13	AB	AB	AB
21	2026KA21	3	3	AB	AB	AB	AB	AB	3	3	AB	AB	AB
22	2026KA22	7	15	4	4	13	9	7	11	28	4	9	7
23	2026KA23	7	6	4	2	2	5	0	11	8	2	5	0
24	2026KA24	10	19	5	2	14	9	2	15	33	2	9	2
25	2026KA25	11	16	4	8	8	8	2	15	24	8	8	2
26	2026KA26	5	8	6	1	7	11	1	11	15	11	11	1
27	2026KA27	9	14	8	6	9	7	1	17	23	6	7	1

28	2026KA28	12	14	4	1	9	8	3	16	23	11	8	3
29	2026KA29	6	12	4	2	4	4	1	10	16	2	4	1
30	2026KA30	8	17	10	4	14	9	9	18	31	4	9	9
31	2026KA31	4	5	3	1	1	3	2	7	6	11	3	2
32	2026KA32	6	16	8	2	5	7	2	14	21	2	7	2
33	2026KA33	7	13	4	2	4	5	1	11	17	2	5	1
34	2026KA34	8	7	3	2	9	6	2	11	16	2	6	2
35	2026KA35	10	15	5	12	12	6	8	15	27	12	6	8
36	2026KA36	5	12	8	2	7	7	6	13	19	2	7	6
37	2026KA37	10	13	4	6	9	7	6	14	22	6	7	6
38	2026KA38	11	27	8	8	6	12	8	19	33	8	12	8
39	2026KA39	6	5	5	6	6	4	2	11	11	6	4	2
40	2026KA40	9	22	12	11	12	11	8	21	34	11	11	8
41	2026KA41	9	13	8	3	5	3	4	17	18	3	3	4
42	2026KA42	7	12	6	6	5	6	8	13	17	6	6	8
43	2026KA43	6	4	2	3	3	6	1	8	7	3	6	1
44	2026KA44	6	15	4	1	14	7	6	10	29	11	7	6
45	2026KA45	7	7	5	7	1	10	2	12	8	7	10	2
46	2026KA46	4	3	1	2	5	1	1	5	8	12	1	1
47	2026KA47	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
48	2026KA48	5	14	4	2	12	8	5	9	26	12	8	5
49	2026KA49	14	14	11	13	8	11	9	25	22	13	11	9
50	2026KA50	9	13	AB	AB	AB	AB	AB	9	13	AB	AB	AB

51	2026KA51	8	18	11	4	8	11	9	19	26	4	11	9
52	2026KA52	11	11	10	2	8	7	11	21	19	2	7	11
53	2026KA53	6	4	10	2	5	6	6	16	9	2	6	6
54	2026KA54	8	17	8	5	8	4	6	16	25	5	4	6
55	2026KA55	6	17	8	1	14	8	3	14	31	11	8	3
56	2026KA56	8	12	5	5	5	7	6	13	17	5	7	6
57	2026KA57	5	11	11	2	5	8	1	16	16	2	8	1
58	2026KA58	8	17	8	4	14	8	4	16	31	14	8	4
59	2026KA59	3	5	3	2	0	1	2	6	5	2	1	2
No of students present		57	57	55	55	55	55	55	58	58	55	55	55
No of students absent		2	2	4	4	4	4	4	1	1	4	4	4
50 % marks		9	16	7	7.5	7.5	8	7.5	16	23.5	7.5	8	7.5
No of students secured more than 50% marks		17	13	23	7	31	21	9	16	18	17	21	9
% of students secured more than 50% marks		30	23	42	13	56	38	16	28	31	31	39	17
Correlation Level									1	2	2	2	1
Attainment 1.6													

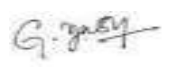
Analysis on continuous Internal Assessment

Test	COs	Number of students	Marks in QP	Students scored more		Correlation level
				No.	%	
CIA	CO1	57	18	17	30	1
	CO3	57	32	13	23	1
Model Exam	CO1	55	14	23	42	2
	CO2	55	15	07	13	1
	CO3	55	15	31	56	3
	CO4	55	16	21	38	2
	CO5	55	15	9	16	1
Cumulative	CO1	58	32	16	28	1
	CO2	58	47	18	31	2
	CO3	54	15	7	32	2
	CO4	54	16	21	36	2
	CO5	54	15	9	17	1

Course Outcome Attainment = 1.6 (Moderate)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	2	2	3	2	2	2	2	1
CO2	3	3	3	3	3	2	2	2	3	1
CO3	3	2	2	2	3	2	3	3	3	1
CO4	3	3	3	2	3	3	3	2	2	2
CO5	3	3	3	2	3	3	3	2	2	2
1.6	3	0.5	0.5	2.2	3	0.5	2.6	2.2	2.4	1.4
Average	1.6	1.4	1.4	1.8	1.6	1.4	1.4	1.2	1.3	0.7


Prepared By


Approved By

Course End report Even Semester 2021 – 22

Programme Name	B.Sc. Computer Technology
Semester	IV
Course Name	Core 6: Linux and Shell Programming
Course Code	43B
Class	II B.Sc. CT A
Number of Students	59
Course Coordinator	Ms.A.Lavanya
Programme Coordinator	Dr.V.Sathyavathy

Course Outcomes

CO1	Describe the architecture and features of Linux Operating System and distinguish it from other Operating System.
CO2	Develop Linux utilities to perform File processing, Directory handling, User Management and display system configuration
CO3	Develop shell scripts using pipes, redirection, filters and Pipes
CO4	Apply and change the ownership and file permissions using advanced Unix commands
CO5	Build Regular expression to perform pattern matching using utilities and implement shell scripts for real time applications

Course Outcomes Assessment methods

1. CIA (Continuous Internal Assessment)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Mark Distribution on COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA	29/03/2022	50	20	30			
2	Model Exam	02/06/2022	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 30%
2		31 % - 50%
3		More than 50%

KG COLLEGE OF ARTS AND SCIENCE													
DEPARTMENT OF COMPUTER TECHNOLOGY													
CLASS : II B.Sc. CT – ‘A’										SEMESTER : IV			
SUBJECT NAME : LINUX AND SHELL PROGRAMMING										SUBJECT CODE : 43B			
S. No.	Roll No	CIA		UG Model Examination					Consolidated				
Course Outcomes		CO1	CO2	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		25	25	15	15	15	15	15	40	40	15	15	15
1	2026KA01	9	12	7	4	1	7	5	16	16	1	7	5
2	2026KA02	7	20	9	4	9	12	10	16	24	9	12	10
3	2026KA03	11	12	9	6	7	8	7	20	18	7	8	7
4	2026KA04	7	8	3	3	1	6	1	10	11	1	6	1
5	2026KA05	15	16	3	11	9	12	7	18	27	9	12	7
6	2026KA06	15	9	7	8	7	8	1	22	17	7	8	1
7	2026KA07	8	8	6	3	3	4	1	14	11	3	4	1
8	2026KA08	14	20	11	10	9	9	1	25	30	9	9	1
9	2026KA09	12	20	11	12	11	9	5	23	32	11	9	5
10	2026KA10	13	13	5	4	3	4	1	18	17	3	4	1
11	2026KA11	13	17	6	8	6	4	4	19	25	6	4	4
12	2026KA12	10	21	10	8	6	6	4	20	29	6	6	4
13	2026KA13	AB	AB	2	2	1	1	1	2	2	1	1	1
14	2026KA14	14	18	5	6	8	7	4	19	24	8	7	4

15	2026KA15	16	8	4	9	7	5	5	20	17	7	5	5
16	2026KA16	14	26	9	10	10	11	7	23	36	10	11	7
17	2026KA17	12	10	5	4	7	10	4	17	14	7	10	4
18	2026KA18	8	12	9	12	10	8	5	17	24	10	8	5
19	2026KA19	13	18	11	12	11	11	1	24	30	11	11	1
20	2026KA20	14	26	AB	AB	AB	AB	AB	14	26	AB	AB	AB
21	2026KA21	5	3	3	2	1	2	0	8	5	1	2	0
22	2026KA22	18	19	11	11	10	11	6	29	30	10	11	6
23	2026KA23	12	6	11	2	12	6	6	23	8	12	6	6
24	2026KA24	12	24	11	11	10	5	4	23	35	10	5	4
25	2026KA25	11	20	8	8	9	11	8	19	28	9	11	8
26	2026KA26	7	7	5	6	1	5	5	12	13	1	5	5
27	2026KA27	10	15	5	4	6	4	4	15	19	6	4	4
28	2026KA28	14	19	11	8	8	11	7	25	27	8	11	7
29	2026KA29	9	11	7	4	4	2	1	16	15	4	2	1
30	2026KA30	19	16	11	10	10	7	6	30	26	10	7	6
31	2026KA31	5	4	6	3	2	3	2	11	7	2	3	2
32	2026KA32	12	14	10	5	4	2	1	22	19	4	2	1
33	2026KA33	9	5	2	6	6	2	1	11	11	6	2	1
34	2026KA34	7	11	7	7	7	7	1	14	18	7	7	1
35	2026KA35	10	18	12	7	11	10	5	22	25	11	10	5

36	2026KA36	10	10	9	6	7	8	9	19	16	7	8	9
37	2026KA37	19	14	9	2	8	8	4	28	16	8	8	4
38	2026KA38	18	9	12	6	12	12	11	30	15	12	12	11
39	2026KA39	AB	AB	5	2	2	3	1	5	2	2	3	1
40	2026KA40	12	18	11	12	12	12	11	23	30	12	12	11
41	2026KA41	9	12	10	5	6	2	3	19	17	6	2	3
42	2026KA42	16	10	12	6	7	5	7	28	16	7	5	7
43	2026KA43	6	8	5	3	2	2	1	11	11	2	2	1
44	2026KA44	13	23	9	8	10	5	1	22	31	10	5	1
45	2026KA45	8	7	8	6	5	4	2	16	13	5	4	2
46	2026KA46	10	3	4	2	1	2	1	14	5	1	2	1
47	2026KA47	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
48	2026KA48	12	20	4	4	6	6	1	16	24	6	6	1
49	2026KA49	13	22	AB	AB	AB	AB	AB	13	22	AB	AB	AB
50	2026KA50	11	14	AB	AB	AB	AB	AB	11	14	AB	AB	AB
51	2026KA51	13	21	12	11	12	12	6	25	32	12	12	6
52	2026KA52	13	21	12	5	12	12	1	25	26	12	12	1
53	2026KA53	13	7	12	4	10	6	1	25	11	10	6	1
54	2026KA54	17	12	11	5	11	10	1	28	17	11	10	1
55	2026KA55	11	21	12	12	8	12	1	23	33	8	12	1
56	2026KA56	12	11	11	5	5	6	1	23	16	5	6	1

57	2026KA57	17	9	12	6	9	6	2	29	15	9	6	2
58	2026KA58	13	20	10	6	10	12	7	23	26	10	12	7
59	2026KA59	7	5	2	2	2	3	2	9	7	2	3	2
No of students present		56	56	55	55	55	55	55	58	58	55	55	55
No of students absent		3	3	4	4	4	4	4	1	1	4	4	4
50 % marks		12.5	12.5	7.5	7.5	7.5	7.5	7.5	20	20	7.5	7.5	7.5
No of students secured more than 50% marks		24	29	32	19	26	23	5	28	25	26	23	5
% of students secured more than 50% marks		43	52	58	35	47	42	9	48	43	47	42	9
Correlation Level									2	2	2	2	1
Attainment 1.8													

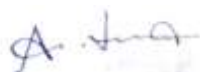
Analysis on continuous Internal Assessment

Test	COs	Number of students	Marks in QP	Students scored more		Correlation level
				No.	%	
CIA	CO1	56	25	24	43	2
	CO3	56	25	29	52	3
Model Exam	CO1	55	15	32	58	3
	CO2	55	15	19	35	2
	CO3	55	15	26	47	2
	CO4	55	15	23	42	2
	CO5	55	15	5	9	1
Cumulative	CO1	58	40	28	48	2
	CO2	58	40	25	43	2
	CO3	58	15	26	45	2
	CO4	58	15	23	40	2
	CO5	58	15	5	9	1

Course Outcome Attainment = 1.8 (Moderate)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	2	2	3	2	2	2	2	1
CO2	3	3	3	2	3	2	2	2	2	1
CO3	3	3	3	2	3	2	3	3	3	2
CO4	3	3	3	2	3	2	3	3	3	2
CO5	3	3	3	3	3	3	3	3	3	3
1.8	3	2.8	2.8	2.2	3	2.2	2.6	2.6	2.6	1.8
Average	1.8	1.7	1.7	1.3	1.8	1.3	1.6	1.6	1.6	1.0



Prepared By



Approved By

Course End report Even Semester 2021 – 22

Programme Name	B.Sc. Computer Technology
Semester	IV
Course Name	Allied 4: Business Accounting
Course Code	4AC
Class	II B.Sc. CT - 'A'
Number of Students	59
Course Coordinator	Dr.M.Vimalarani
Programme Coordinator	Dr.V.Sathyavathy

Course Outcomes

CO1	Recalling accounting Concepts and Conventions and use Accounting rules to record business transactions in the form of journal, Ledger, Subsidiary books and preparation of Trial Balance.
CO2	Understanding the steps involved in locating errors and prepare them to understand to prepare final accounts for sole traders.
CO3	Recall various concepts of costing and methods of preparing cost sheet
CO4	Analyze the various elements of costing
CO5	Outline the various concepts relating to management accounting, Analyze new budget and budgetary control for organizations

Course Outcomes Assessment methods

1. CIA (Continuous Internal Assessment)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Mark Distribution on COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA	30/03/2022	50	50				
2	Model Exam	03/06/2022	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Upto 30%
2		31 % - 50%
3		More than 50%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF COMPUTER TECHNOLOGY

CLASS : II B.Sc. CT - 'A'

SEMESTER : IV

SUBJECT NAME : BUSINESS ACCOUNTING

SUBJECT CODE : 4AC

S. No.	Roll No.	CIA	Model					Consolidated				
Course Outcomes		CO1	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		50	15	15	15	17.5	12.5	65	15	15	17.5	12.5
1	2026KA01	23	1	2	4	9	4	24	2	4	9	4
2	2026KA02	36	13	7	4	7	7	49	7	4	7	7
3	2026KA03	41	13	11	6	8	1	54	11	6	8	1
4	2026KA04	23	1	0	0	1	0	24	0	0	1	0
5	2026KA05	40	13	1	2	14	0	53	1	2	14	0
6	2026KA06	38	5	3	5	4	0	43	3	5	4	0
7	2026KA07	41	12	8	5	2	5	53	8	5	2	5
8	2026KA08	47	14	7	6	9	5	61	7	6	9	5
9	2026KA09	46	10	5	13	10	12	56	5	13	10	12
10	2026KA10	26	3	2	7	2	7	29	2	7	2	7
11	2026KA11	31	7	5	13	11	5	38	5	13	11	5
12	2026KA12	27	8	0	14	4	1	35	0	14	4	1
13	2026KA13	AB	5	0	1	1	1	5	0	1	1	1

14	2026KA14	36	12	0	4	7	6	48	0	4	7	6
15	2026KA15	33	5	2	7	1	0	38	2	7	1	0
16	2026KA16	42	AB	AB	AB	AB	AB	0	0	0	0	0
17	2026KA17	25	3	1	6	4	5	28	1	6	4	5
18	2026KA18	35	4	4	11	11	10	39	4	11	11	10
19	2026KA19	42	12	4	12	4	4	54	4	12	4	4
20	2026KA20	42	AB	AB	AB	AB	AB	42	0	0	0	0
21	2026KA21	10	AB	AB	AB	AB	AB	10	0	0	0	0
22	2026KA22	49	13	7	14	7	14	62	7	14	7	14
23	2026KA23	16	13	14	13	7	7	29	14	13	7	7
24	2026KA24	43	13	2	14	9	7	56	2	14	9	7
25	2026KA25	44	11	2	7	13	8	55	2	7	13	8
26	2026KA26	35	5	2	7	12	3	40	2	7	12	3
27	2026KA27	44	12	11	4	2	3	56	11	4	2	3
28	2026KA28	44	11	1	12	12	11	55	1	12	12	11
29	2026KA29	25	4	0	2	2	4	29	0	2	2	4
30	2026KA30	39	12	7	13	11	8	51	7	13	11	8
31	2026KA31	25	15	11	6	5	1	40	11	6	5	1
32	2026KA32	45	15	7	6	13	1	60	7	6	13	1
33	2026KA33	27	5	5	2	9	0	32	5	2	9	0
34	2026KA34	40	14	6	1	4	5	54	6	1	4	5

35	2026KA35	45	12	8	8	9	10	57	8	8	9	10
36	2026KA36	24	10	10	12	11	1	34	10	12	11	1
37	2026KA37	48	12	2	14	5	12	60	2	14	5	12
38	2026KA38	46	12	8	12	13	13	58	8	12	13	13
39	2026KA39	18	2	7	1	6	0	20	7	1	6	0
40	2026KA40	49	11	13	5	13	12	60	13	5	13	12
41	2026KA41	32	11	6	2	9	0	43	6	2	9	0
42	2026KA42	37	15	7	12	8	2	52	7	12	8	2
43	2026KA43	10	2	2	2	2	2	12	2	2	2	2
44	2026KA44	40	9	0	10	12	5	49	0	10	12	5
45	2026KA45	28	13	5	7	6	2	41	5	7	6	2
46	2026KA46	17	6	1	2	9	0	23	1	2	9	0
47	2026KA47	AB	AB	AB	AB	AB	AB	0	0	0	0	0
48	2026KA48	38	12	6	7	13	2	50	6	7	13	2
49	2026KA49	42	AB	AB	AB	AB	AB	42	0	0	0	0
50	2026KA50	37	AB	AB	AB	AB	AB	37	0	0	0	0
51	2026KA51	46	13	4	13	13	12	59	4	13	13	12
52	2026KA52	41	10	2	5	13	6	51	2	5	13	6
53	2026KA53	39	11	2	2	4	6	50	2	2	4	6
54	2026KA54	28	11	6	6	5	7	39	6	6	5	7
55	2026KA55	43	15	12	13	13	1	58	12	13	13	1

56	2026KA56	33	12	5	11	7	2	45	5	11	7	2
57	2026KA57	37	13	2	13	2	2	50	2	13	2	2
58	2026KA58	41	9	5	10	9	7	50	5	10	9	7
59	2026KA59	24	AB	AB	AB	AB	AB	24	0	0	0	0
Number of students		57	52	52	52	52	52	58	52	52	52	52
Number of Students		2	7	7	7	7	7	1	7	7	7	7
50 % marks		25	7.5	7.5	7.5	8.75	6.25	32.5	7.5	7.5	8.75	6.25
Number of students		45	37	10	21	25	17	45	10	21	25	17
% of students secured more than 50% marks		80	71	19	40	48	37	78	19	40	48	37
Correlation Level								3	1	2	2	2
Attainment 02												

Analysis on continuous Internal Assessment

Test	COs	Number of students	Marks in QP	Students scored more		Correlation level
				No.	%	
CIA - I	CO1	57	50	48	84	3
Model Exam	CO1	52	15	37	71	3
	CO2	52	15	10	19	1
	CO3	52	15	21	40	2
	CO4	52	15	25	48	2
	CO5	52	15	17	33	2
Cumulative	CO1	58	65	45	78	3
	CO2	52	15	10	19	1
	CO3	52	15	21	36	2
	CO4	52	15	25	43	2
	CO5	52	15	17	29	2

Course Outcome Attainment = 02 (Moderate)

CO - PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	2	2	2	2	3	2	3	1
CO2	3	3	3	2	1	2	3	2	3	1
CO3	3	3	3	2	2	1	3	2	3	2
CO4	3	2	3	2	2	2	3	2	3	2
CO5	3	3	3	2	2	2	3	2	3	2
02	3	2.8	2.8	2	1.8	1.8	3	2	3	1.6
Average	2	1.9	1.9	1.3	1.2	1.2	2	1.3	2	1.0

Prepared By

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KG COLLEGE OF ARTS AND SCIENCE

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KGiSL Campus, Coimbatore – 641 035

COs Attainment

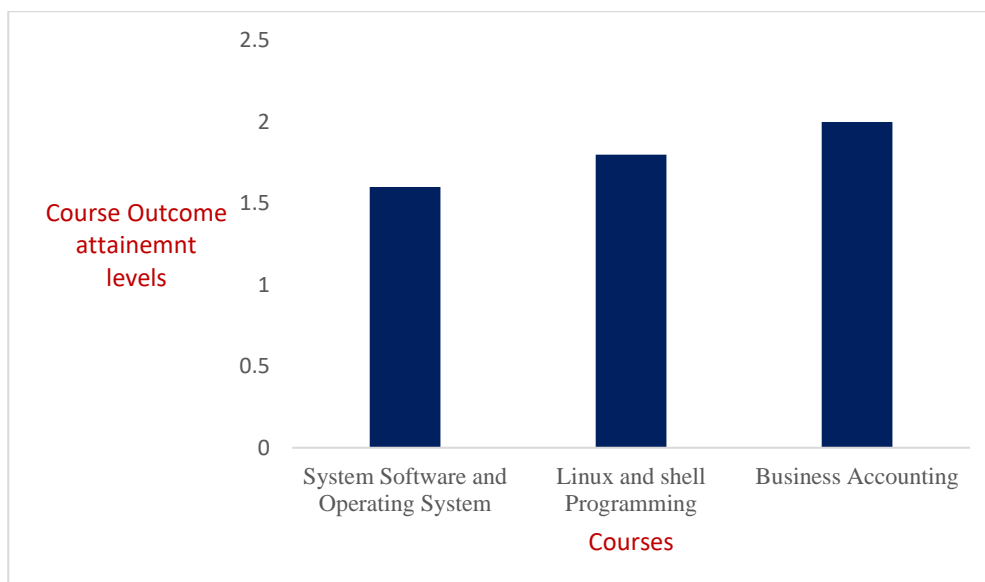
Class : II B.Sc. CT 'A'
2023

Semester : IV

Strength : 59

Batch : 2020-

S. No.	Course Code	Name of the Course	Name of the Faculty	CO Attainment (3)
1	43A	System Software and Operating System	Dr.V.Sathyavathy Dr.G.Yashodha	1.6
2	43B	Linux and Shell Programming	Ms.A.Lavanya	1.8
3	4AC	Business Accounting	Dr.M.VimalaRani	02



G. Yashodha

Prepared By

V. Vimala Rani

Approved By

Attainment of COs
Mapping of CO - PO
Attainment of POs

M.Sc. Mathematics

2020 Batch

M. Sc. Mathematics

Syllabus

AFFILIATED COLLEGES

Program Code: 32A

2020 – 2021 onwards



BHARATHIAR UNIVERSITY

(A State University, Accredited with "A" Grade by NAAC,
Ranked 13th among Indian Universities by MHRD-NIRF,
World Ranking : Times - 801-1000, Shanghai - 901-1000, URAP - 982)
Coimbatore - 641 046, Tamil Nadu, India

M. Sc. Mathematics 2020-21 onwards - Affiliated Colleges - Annexure No.90A
SCAA DATED: 23.09.2020

Program Educational Objectives (PEOs)	
The M. Sc. Mathematics program describe accomplishments that graduates are expected to attain within five to seven years after graduation	
PEO1	Provide a strong foundation in different areas of Mathematics, so that the students can compete with their contemporaries and excel in the various careers in Mathematics.
PEO2	Motivate and prepare the students to pursue higher studies and research, thus contributing to the ever-increasing academic demands of the country.
PEO3	Enrich the students with strong communication and interpersonal skills, broad knowledge and an understanding of multicultural and global perspectives, to work effectively in multidisciplinary teams, both as leaders and team members.
PEO4	Facilitate integral development of the personality of the student to deal with ethical and professional issues, and also to develop ability for independent and lifelong learning.



Program Specific Outcomes (PSOs)	
After the successful completion of M. Sc. Mathematics program, the students are expected to	
PSO1	Communicate concepts of Mathematics and its applications.
PSO2	Acquire analytical and logical thinking through various mathematical tools and techniques.
PSO3	Investigate real life problems and learn to solve them through formulating mathematical models.
PSO4	Attain in-depth knowledge to pursue higher studies and ability to conduct research. Work as mathematical professional.
PSO5	Achieve targets of successfully clearing various examinations/interviews for placements in teaching, banks, industries and various other organizations/services.



M. Sc. Mathematics 2020-21 onwards - Affiliated Colleges - Annexure No.90A
SCAA DATED: 23.09.2020

Program Outcomes (POs)	
On successful completion of the M. Sc. Mathematics program, the students will be able to	
PO1	Demonstrate in-depth knowledge of Mathematics, both in theory and application.
PO2	Attain the ability to identify, formulate and solve challenging problems in Mathematics.
PO3	Know the various specialised areas of advanced mathematics and its applications.
PO4	Analyze complex problems in Mathematics and propose solutions using research-based knowledge.
PO5	Obtain the accurate solutions for the community oriented problems via various mathematical models.
PO6	Work individually or as a team member or leader in uniform and multidisciplinary settings.
PO7	Crack lectureship and fellowship exams affirmed by UGC like CSIR-NET and SET.
PO8	Apply the Mathematical concepts, in all the fields of learning including higher research, and recognize the need and prepare for lifelong learning.
PO9	Know the use of computers both as an aid and as a tool to study problems in Mathematics.
PO10	Inculcate the knowledge of formulation and apply the mathematical concepts which are suitable for real life applications.



M. Sc. Mathematics 2020-21 onwards - Affiliated Colleges - Annexure No.90A
SCAA DATED: 23.09.2020

BHARATHIAR UNIVERSITY :: COIMBATORE 641 046

M. Sc. Mathematics Curriculum (Affiliated Colleges)

(For the students admitted during the academic year 2020 – 21 onwards)

Course Code	Title of the Course	Credits	Hours		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
FIRST SEMESTER							
	Abstract Algebra	4	6	–	25	75	100
	Real Analysis	4	7	–	25	75	100
	Ordinary Differential Equations	4	7	–	25	75	100
	Numerical Methods	4	6	–	25	75	100
	Elective-I	4	4	–	25	75	100
	Total	20	30	–	125	375	500
SECOND SEMESTER							
	Linear Algebra	4	6	–	25	75	100
	Complex Analysis	4	7	–	25	75	100
	Partial Differential Equations	4	7	–	25	75	100
	Mechanics	4	6	–	25	75	100
	Elective-II	4	4	–	25	75	100
	Total	20	30	–	125	375	500
THIRD SEMESTER							
	Topology	4	7	–	25	75	100
	Fluid Dynamics	4	7	–	25	75	100
	Mathematical Statistics	4	6	–	25	75	100
	Graph Theory	4	6	–	25	75	100
	Elective-III	4	4	–	25	75	100
	Total	20	30	–	125	375	500
FOURTH SEMESTER							
	Functional Analysis	4	7	–	25	75	100
	Mathematical Methods	4	7	–	25	75	100
	Optimization Techniques	4	6	–	25	75	100
	Computer Programming* (C++ Theory)	4	4	–	25	75	100
	Computer Programming (C++ Practical)	4	–	2	40	60	100
	Elective-IV	4	4	–	25	75	100
	Project	6				150	150*
	Total	30	28	2	165	585	750
	Grand Total	90	118	2	540	1710	2250



First Semester

Course End Report Odd Semester 2020 – 21

Programme Name	M.Sc. Mathematics
Semester	I
Course Name	Core : Abstract Algebra
Course Code	13A
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms.G.Hema
Programme Coordinator	Ms.R.Geetharamani

Course Outcomes

CO1	Understand the group theory, Sylow's theorem and its application.
CO2	Remembering types of rings and their properties
CO3	Some Knowledge on extension fields and roots of polynomials
CO4	Identify the elements of Galois theory and Galois Groups over the rationals
CO5	Understand the basic concepts of solvability by radicals and finite fields

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	25/01/2021	50	24	26			
2	Model Exam	22/02/2021	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER : I

SUBJECT NAME : Abstract Algebra

SUBJECTCODE : 13A

S. No.	Roll No.	CIA - I		Model Exam					Consolidated				
Course Outcomes		CO1	CO2	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		24	26	15	15	15	15	15	39	41	15	15	15
1	2032A01	24	26	15	15	15	15	15	39	41	15	15	15
2	2032A02	32	18	15	15	15	15	15	47	33	15	15	15
3	2032A03	24	26	14	15	15	15	15	38	41	15	15	15
4	2032A04	24	26	15	15	15	14	15	39	41	15	14	15
5	2032A05	23	24	15	14	14	15	15	38	38	14	15	15
6	2032A06	32	18	15	15	15	15	14	47	33	15	15	14
7	2032A07	24	26	15	14	15	15	15	39	40	15	15	15
8	2032A08	24	26	15	15	15	14	15	39	41	15	14	15
9	2032A09	24	26	15	15	15	15	15	39	41	15	15	15
10	2032A10	32	18	15	15	15	14	15	47	33	15	14	15
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	7.5	7.5	7.5	7.5	7.5	19.5	20.5	7.5	7.5	7.5
Number of students secured more than 50% marks		10	10	10	10	10	10	10	10	10	10	10	10
% of students secured more than 50% marks		100	100	100	100	100	100	100	100	100	100	100	100
Correlation Level									3	3	3	3	3
Attainment 03													

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	24	10	100	3
	CO2	10	26	10	100	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	10	100	3
	CO3	10	15	10	100	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3
Cumulative	CO1	10	39	10	100	3
	CO2	10	41	10	100	3
	CO3	10	15	10	100	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3

Course Outcome Attainment =03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	1	1	1	2	3	1	3	2	2
CO2	3	3	2	1	1	3	1	3	2	3
CO3	2	1	3	2	3	2	2	1	1	3
CO4	2	1	3	3	3	2	2	1	1	3
CO5	1	2	2	3	2	1	3	2	3	2
03	2	1.6	2.2	2	2.2	2.2	1.8	2	1.8	2.6
Average	2	1.6	2.2	2	2.2	2.2	1.8	2	1.8	2.6

G. Prasad

Prepared by

S. Srinivas

Approved by

Course End Report Odd Semester 2020 – 21

Programme Name	M.Sc. Mathematics
Semester	I
Course Name	Core Paper 2: Real Analysis
Course Code	13B
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Mr. T. Jagan
Programme Coordinator	Ms. R. Geetharamani

Course Outcomes

CO1	Apply the Riemann Stieltjes integral and bring its properties and rectifiable curves.
CO2	Remembering of sequences and series along with its properties.
CO3	Analyze the concept of linear transformation and find the extreme values of implicit functions.
CO4	Understand the fundamental concept of Lebesgue measure.
CO5	Evaluate the complex integration and the benefits of Lebesgue Integral.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. Model Exam

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to Cos				
				CO1	CO2	CO3	CO4	CO5
1	CIA – I	27/01/2021	50	18	32			
2	Model Exam	23/02/2021	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER : I

SUBJECT NAME : Real Analysis

SUBJECT CODE : 13B

S. No.	Roll No.	CIA - I		MODEL EXAM					Consolidated				
		CO1	CO 2	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5
Total Marks		18	32	15	15	15	15	15	33	47	15	15	15
1	2032A01	16	28	15	14	14	15	15	31	42	14	15	15
2	2032A02	17	32	15	15	15	15	14	32	47	15	15	14
3	2032A03	16	32	15	14	15	15	15	31	46	15	15	15
4	2032A04	17	31	15	14	15	15	14	32	45	15	15	14
5	2032A05	16	28	15	14	15	14	14	31	42	15	14	14
6	2032A06	17	32	15	14	14	15	15	32	46	14	15	15
7	2032A07	17	32	15	15	14	15	15	32	47	14	15	15
8	2032A08	17	31	15	14	14	15	15	32	45	14	15	15
9	2032A09	17	31	15	15	14	15	15	32	46	14	15	15
10	2032A10	17	32	15	14	14	15	15	32	46	14	15	15
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		9	16	7.5	7.5	7.5	7.5	7.5	16.5	23.5	7.5	7.5	7.5
Number of students secured more than 50% marks		10	10	10	10	10	10	10	10	10	10	10	10
% of students secured more than 50% marks		100	100	100	100	100	100	100	100	100	100	100	100
Correlation Level									3	3	3	3	3
Attainment 03													

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	18	10	100	3
	CO2	10	32	10	100	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	10	100	3
	CO3	10	15	10	100	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3
Cumulative	CO1	10	33	10	100	3
	CO2	10	47	10	100	3
	CO3	10	15	10	100	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3

Course Outcome attainment = 03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	1	3	3	2	3	2	3	3	3	3
CO2	3	2	2	1	3	3	3	1	1	1
CO3	1	2	3	1	2	2	2	3	2	3
CO4	1	2	3	1	2	3	3	3	2	2
CO5	2	1	3	2	3	1	2	2	1	1
03	1.6	2	2.8	1.4	2.6	2.2	2.6	2.4	1.8	2
Average	1.6	2	2.8	1.4	2.6	2.2	2.6	2.4	1.8	2

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Course End Report Odd Semester 2020 – 21

Programme Name	M.Sc. Mathematics
Semester	I
Course Name	Core Paper 3: Ordinary Differential Equations
Course Code	13C
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms. C. Padmavathi
Programme Coordinator	Ms. R. Geetharamani

Course Outcomes

CO1	Understand and remember the physical situations with real world problems to construct mathematical models using partial differential equations and study the methods to solve.
CO2	Analyze the types of partial differential equations and different methods to solve.
CO3	Evaluate Laplace equation and analyze its applications.
CO4	Apply variable separable method to solve Laplace and Diffusion equations
CO5	Finding the appropriate method to solve the partial differential equations.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	29/01/2021	50	24	26			
2	Model Exam	24/02/2021	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

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DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER : I

SUBJECT NAME : Ordinary Differential Equations

SUBJECT CODE : 13C

S. no.	Roll No.	CIA - I		MODEL EXAM					Consolidated				
		CO1	CO 2	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5
Total Marks		24	26	15	15	15	15	15	39	41	15	15	15
1	2032A01	23	26	15	15	15	15	15	38	41	15	15	15
2	2032A02	24	25	15	15	15	15	14	39	40	15	15	14
3	2032A03	24	25	15	15	15	15	15	39	40	15	15	15
4	2032A04	24	26	15	15	15	15	15	39	41	15	15	15
5	2032A05	24	24	15	6	10	13	9	39	30	10	13	9
6	2032A06	24	26	15	15	15	15	15	39	41	15	15	15
7	2032A07	24	26	15	15	15	15	15	39	41	15	15	15
8	2032A08	24	26	15	15	15	14	15	39	41	15	14	15
9	2032A09	24	26	15	15	15	15	15	39	41	15	15	15
10	2032A10	24	26	14	15	7	14	15	38	41	7	14	15
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	7.5	7.5	7.5	7.5	7.5	19.5	20.5	7.5	7.5	7.5
Number of students secured more than 50% marks		10	10	10	9	9	10	10	10	10	9	10	10
% of students secured more than 50% marks		100	100	100	90	90	100	100	100	100	90	100	100
Correlation Level									3	3	3	3	3
Attainment 03													

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	24	10	100	3
	CO2	10	26	10	100	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	9	90	3
	CO3	10	15	9	90	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3
Cumulative	CO1	10	39	10	100	3
	CO2	10	41	10	100	3
	CO3	10	15	9	90	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3

Course Outcome attainment = 03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	2	2	3	1	3	2	3	1
CO2	2	3	3	2	3	3	3	3	3	2
CO3	1	2	3	3	3	3	3	3	3	3
CO4	2	3	1	2	3	2	3	3	1	3
CO5	1	2	3	3	3	2	3	3	1	2
03	1.8	2.6	2.4	2.4	3	2.2	3	2.8	2.2	2.2
Average	1.8	2.6	2.4	2.4	3	2.2	3	2.8	2.2	2.2

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Course End Report Odd Semester 2020–21

Programme Name	M.Sc. Mathematics
Semester	I
Course Name	Core Paper 4: Numerical Analysis
Course Code	13D
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Dr.V. Krishnaveni
Programme Coordinator	Ms. R. Geetharamani

Course Outcomes

CO1	Solve problems in numerical differentiation and integration K3.
CO2	Solve system of equations using various methods.
CO3	Apply various methods to find numerical solution of first and second order ordinary differential equations.
CO4	Explain the various methods for solving Boundary Value Problems and Characteristic Value Problems.
CO5	Understand the Explicit method and the Crank Nicolson method for solving partial differential equations.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	30/01/2021	50	24	26			
2	Model Exam	25/02/2021	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description		Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%	Slight (1)
2		61 % - 70%	Moderate (2)
3		More than 70%	Substantial (3)

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics SEMESTER: I

SUBJECT NAME : Numerical Analysis SUBJECT CODE: 13D

S. no.	Roll No.	CIA - I		Model Exam					Consolidated				
		CO 1	CO 2	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5
Total Marks		24	26	15	15	15	15	15	39	41	15	15	15
1	2032A01	22	26	15	15	13	14	14	37	41	13	14	14
2	2032A02	24	26	15	15	14	12	15	39	41	14	12	15
3	2032A03	24	25	15	14	15	14	15	39	39	15	14	15
4	2032A04	24	26	15	15	13	14	15	39	41	13	14	15
5	2032A05	22	24	15	15	6	14	13	37	39	6	14	13
6	2032A06	24	26	15	15	13	14	14	39	41	13	14	14
7	2032A07	24	26	15	15	15	14	15	39	41	15	14	15
8	2032A08	24	26	15	15	14	14	15	39	41	14	14	15
9	2032A09	22	26	15	15	14	14	15	37	41	14	14	15
10	2032A10	24	26	15	15	15	14	15	39	41	15	14	15
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	7.5	7.5	7.5	7.5	7.5	19.5	20.5	7.5	7.5	7.5
Number of students secured more than 50% marks		10	10	10	10	9	10	10	10	10	9	10	10
% of students secured more than 50% marks		100	100	100	100	90	100	100	100	100	90	100	100
Correlation Level									3	3	3	3	3
Attainment 03													

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	24	10	100	3
	CO2	10	26	10	100	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	10	100	3
	CO3	10	15	9	90	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3
Cumulative	CO1	10	39	10	100	3
	CO2	10	41	10	100	3
	CO3	10	25	9	90	3
	CO4	10	25	10	100	3
	CO5	10	25	10	100	3

Course Outcome Attainment = 03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	1	3	3	2	1	3	2	2
CO2	3	2	1	3	3	2	1	3	2	2
CO3	3	2	1	3	3	2	1	3	2	2
CO4	3	3	3	3	2	3	3	2	1	1
CO5	3	3	3	3	2	3	3	2	1	1
03	3	2.4	1.8	3	2.6	2.4	1.8	2.6	1.6	1.6
Average	3	2.4	1.8	3	2.6	2.4	1.8	2.6	1.6	1.6

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Course End report Odd Semester 2020 – 21

Programme Name	M.Sc. Mathematics
Semester	I
Course Name	Elective Paper 9: Latex
Course Code	1EA
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms. Y. Preethi Ceon
Programme Coordinator	Ms. R. Geetharamani

Course Outcomes

CO1	Understand basic concepts of Text formatting and LaTeX file
CO2	Demonstrating command names and arguments, Special characters.
CO3	Apply the commands to create document layout and displayed output
CO4	Create Table, Printing Text, Foot notes and marginal notes
CO5	Apply LaTeX commands to mathematical formulae

Course Outcomes Assessment methods

1. CIA (Continuous Internal Assessment)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to Cos				
				CO1	CO2	CO3	CO4	CO5
1	CIA	01/02/2021	50	18	32			
2	Model	26/02/2021	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	Up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER : I

SUBJECT NAME : Latex

SUBJECT CODE : 1EA

S. No.	Roll No.	CIA - I		MODEL					Consolidated				
Course Outcomes		CO1	CO2	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		18	32	15	15	15	15	15	33	47	15	15	15
1	2032A01	16	28	15	14	14	15	15	31	42	14	15	15
2	2032A02	17	32	15	15	15	15	14	32	47	15	15	14
3	2032A03	16	32	15	14	15	15	15	31	46	15	15	15
4	2032A04	17	31	15	14	15	15	14	32	45	15	15	14
5	2032A05	16	28	15	14	15	14	14	31	42	15	14	14
6	2032A06	17	32	15	14	14	15	15	32	46	14	15	15
7	2032A07	17	32	15	15	14	15	15	32	47	14	15	15
8	2032A08	17	31	15	14	14	15	15	32	45	14	15	15
9	2032A09	17	31	15	15	14	15	15	32	46	14	15	15
10	2032A10	17	32	15	14	14	15	15	32	46	14	15	15
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		9	16	7.5	7.5	7.5	7.5	7.5	16.5	23.5	7.5	7.5	7.5
Number of students secured more than 50% marks		10	10	10	10	10	10	10	10	10	10	10	10
% of students secured more than 50% marks		100	100	100	100	100	100	100	100	100	100	100	100
Correlation Level									3	3	3	3	3
Attainment 03													

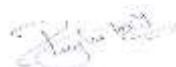
Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlati on level
				No.	%	
CIA - I	CO1	10	18	10	100	3
	CO2	10	32	10	100	3
MODEL	CO1	10	15	10	100	3
	CO2	10	15	10	100	3
	CO3	10	15	10	100	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3
Cumulative	CO1	10	33	10	100	3
	CO2	10	47	10	100	3
	CO3	10	15	10	100	3
	CO4	10	15	10	100	3
	CO5	10	15	10	100	3

Course Outcome Attainment = 03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	1	2	2	2	1	1	2	2
CO2	2	1	1	2	2	2	1	1	2	2
CO3	1	2	1	2	2	3	1	3	3	2
CO4	2	1	1	2	2	2	1	1	2	2
CO5	1	2	2	2	2	3	1	3	3	2
03	1.8	1.6	1.2	2	2	2.4	1	1.8	2.4	2
Average	1.8	1.6	1.2	2	2	2.4	1	1.8	2.4	2


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Cos Attainment

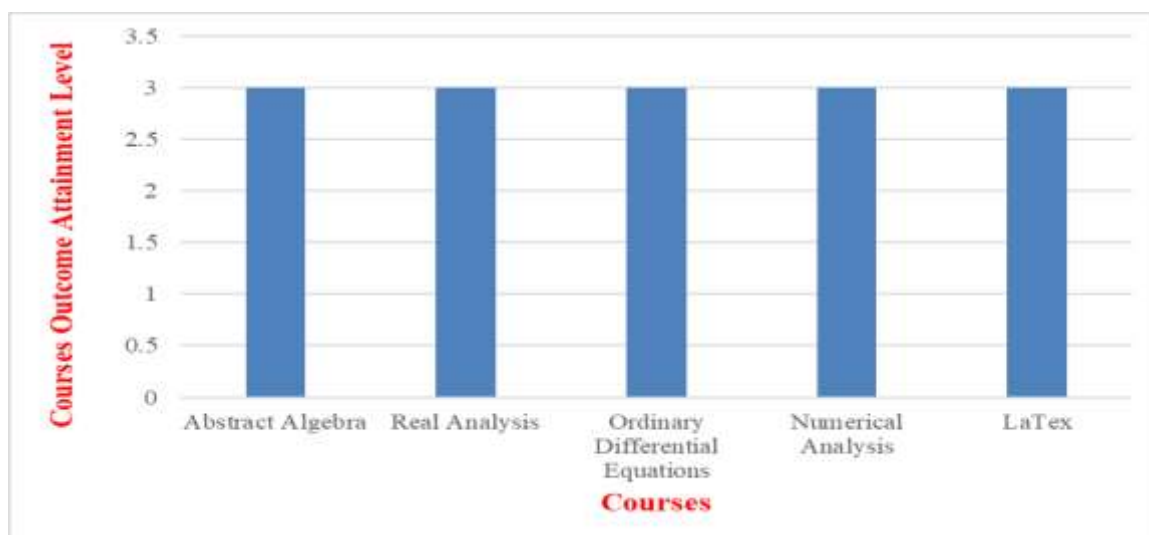
Class : I M.Sc. Mathematics

Semester : I

Strength : 10

Batch:2020- 2022

S. No.	Course Code	Name of the Course	Name of the Faculty	CO Attainment(03)
1	13A	Abstract Algebra	Ms.G.Hema	03
2	13B	Real Analysis	Mr.T.Jagan	03
3	13C	Ordinary Differential Equations	Ms.C.Padmavathy	03
4	13D	Numerical methods	Dr.V.Krishnaveni	03
5	1EA	Latex	Ms.Y.Preethiceon	03



P. Jagan

Prepared by

Jagan

Approved by

B. Sc. Computer Technology 2020-21 onwards - Affiliated Colleges - Annexure No.26
SCAA DATED: 23.09.2020



**Second
Semester**

Course End Report Even Semester 2020–21

Programme Name	M.Sc. Mathematics
Semester	II
Course Name	Core Paper 5: Linear Algebra
Course Code	23A
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms.G.Hema
Programme Coordinator	Ms.R.Geetharamani

Course Outcomes

CO1	Understand the basic concept of linear transformation, characteristics roots and matrices of linear transformation and its applications.
CO2	Explain about the algebra of polynomials, polynomial ideals and prime factorization of a polynomial
CO3	Understand the basic concept of determinants and its additional properties
CO4	Describe the concept of Invariant subspaces and diagonalization process.
CO5	Analyze the Canonical form, Jordon form and Rational Canonical form.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	19/04/2021	50	24	26			
2	CIA - II	12/05/2021	50			28	22	
2	Model Exam	17/06/2021	50	10	10	10	10	10

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

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DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER:II

SUBJECT NAME : Linear Algebra

SUBJECT CODE:23A

S. No.	Roll No.	CIA - I		CIA - II		MODEL EXAM					Consolidated				
		CO 1	CO 2	CO3	CO 4	CO1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO3	CO 4	CO 5
Total Marks		26	24	28	22	10	10	10	10	10	36	34	38	32	10
1	2032A	16	20	20	18	10	10	8	8	8	26	30	28	26	8
2	2032A	26	24	26	20	8	9	9	9	8	34	33	35	29	8
3	2032A	20	20	26	16	10	10	9	10	8	30	30	35	26	8
4	2032A	24	22	26	20	10	10	9	8	10	34	32	35	28	10
5	2032A	4	14	12	10	5	3	6	8	4	9	17	18	18	4
6	2032A	26	20	28	18	9	10	10	10	10	35	30	38	28	10
7	2032A	24	20	26	18	10	9	9	10	10	34	29	35	28	10
8	2032A	24	20	26	18	10	9	7	9	5	34	29	33	27	5
9	2032A	18	22	24	14	10	9	9	10	8	28	31	33	24	8
10	2032A	14	14	14	12	6	8	5	5	6	20	22	19	17	6
Number of		10	10	10	10	10	10	10	10	10	10	10	10	10	10
Number of		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	14	11	5	5	5	5	5	18	17	19	16	5
Number of students secured more than 50% marks		9	10	9	9	10	9	10	10	9	9	10	9	10	9
% of students secured more than 50% marks		90	100	90	90	100	90	100	100	90	90	100	90	100	90
Correlation Level											3	3	3	3	3
Attainment 03															

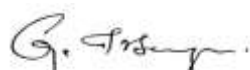
Analysis of Continuous Internal Assessment

Test	COs	Number of students	Marks in QP	Students scored more		Correlation level
				No.	%	
CIA - I	CO1	10	26	9	90	3
	CO2	10	24	10	100	3
CIA - II	CO3	10	28	9	90	3
	CO4	10	22	9	90	3
Model Exam	CO1	10	10	10	100	3
	CO2	10	10	9	90	3
	CO3	10	10	10	100	3
	CO4	10	10	10	100	3
	CO5	10	10	9	90	3
Cumulative	CO1	10	36	9	90	3
	CO2	10	34	10	100	3
	CO3	10	38	9	90	3
	CO4	10	32	10	100	3
	CO5	10	10	9	90	3

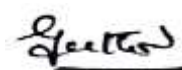
Course Outcome attainment =03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	2	1	2	3	3	3	2	2
CO2	2	3	3	2	1	3	3	3	2	2
CO3	3	3	2	1	2	3	3	3	2	2
CO4	1	2	1	3	2	3	2	2	1	1
CO5	2	3	3	2	1	3	3	3	2	2
03	2.2	2.8	2.2	1.8	1.6	3	2.8	2.8	1.8	1.8
Average	2.2	2.8	2.2	1.8	1.6	3	2.8	2.8	1.8	1.8



Prepared by



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Course End Report Even Semester 2020 – 21

Programme Name	M.Sc. Mathematics
Semester	II
Course Name	Core Paper 6: Complex Analysis
Course Code	23B
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Dr.T.Mahalakshmi
Programme Coordinator	Ms.R.Geetharamani

Course Outcomes

CO1	Remembering the concept of analytic function as a mapping on the plane and understand Mobious Transformation.
CO 2	Understand Cauchy's Integral formula on open sets on the plane and know about poles, residues and singularities.
CO 3	Apply the Cauchy's integral formula in residue theorems and in evaluation of definite integral.
CO 4	Analyze and represent the sum function of a power series as an Analytic function.
CO 5	Study and understand periodic function, Weierstrass function and its applications.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	20/04/2021	50	26	24			
2	CIA - II	13/05/2021	50			26	24	
3	Model Exam	19/06/2021	50	10	10	10	10	10

CO Attainment in Internal Assessment Tests

Attainment level	Description		Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%	Slight (1)
2		61 % - 70%	Moderate (2)
3		More than 70%	Substantial (3)

KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER : II

SUBJECT NAME : Complex Analysis

SUBJECT CODE : 23B

S. no.	Roll No.	CIA - I		CIA -II		Model Exam					Consolidated				
		CO1	CO2	CO3	CO 4	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	C O4	CO 5
Total Marks		26	24	26	24	10	10	10	10	10	36	34	36	34	10
1	2032A01	26	20	26	22	10	10	3	3	2	36	30	29	25	2
2	2032A02	22	16	24	20	AB	AB	AB	AB	AB	22	16	24	20	AB
3	2032A03	20	16	26	24	9	6	9	7	5	29	22	35	31	5
4	2032A04	22	22	22	20	9	7	7	7	4	31	29	29	27	4
5	2032A05	22	18	6	8	10	7	8	6	3	32	25	14	14	3
6	2032A06	22	22	24	24	10	10	10	9	10	32	32	34	33	10
7	2032A07	24	20	26	22	6	7	8	9	3	30	27	34	31	3
8	2032A08	26	22	12	14	9	8	5	6	10	35	30	17	20	10
9	2032A09	22	18	22	20	10	9	3	4	4	32	27	25	24	4
10	2032A10	20	12	24	20	5	4	6	4	3	25	16	30	24	3
Number of students present		10	10	10	10	9	9	9	9	9	10	10	10	10	9
Number of students absent		0	0	0	0	1	1	1	1	1	0	0	0	0	0
50 % marks		13	12	13	12	5	5	5	5	5	18	17	18	17	5
Number of students secured more than 50% marks		10	10	8	9	9	8	7	6	3	10	8	8	9	3
% of students secured more than 50% marks		100	100	80	90	100	89	78	67	33	100	80	80	90	33
Correlation Level											3	3	3	3	1
Attainment 2.6															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	26	10	100	3
	CO2	10	24	10	100	3
CIA - II	CO3	10	26	8	80	3
	CO4	10	24	9	90	3
MODEL EXAM	CO1	9	10	9	100	3
	CO2	9	10	8	89	3
	CO3	9	10	7	78	3
	CO4	9	10	6	67	2
	CO5	9	10	3	33	1
Cumulative	CO1	10	36	10	100	3
	CO2	10	34	8	80	3
	CO3	10	36	8	80	3
	CO4	10	34	9	90	3
	CO5	9	10	3	33	1

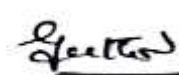
Course Outcome attainment = 2.6 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	2	1	1	2	2	2	1	2
CO2	2	3	2	1	2	2	2	2	1	2
CO3	2	3	2	3	2	2	3	3	2	2
CO4	2	3	3	3	2	3	3	2	1	3
CO5	3	2	3	3	2	3	3	2	2	3
2.6	2.4	2.8	2.4	2.2	1.8	2.4	2.6	2.2	1.4	2.4
Average	2.1	2.4	2.1	1.9	1.6	2.1	2.3	1.9	1.2	2.1



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Course End Report Even Semester 2020 – 21

Programme Name	M.Sc. Mathematics
Semester	II
Course Name	Core Paper 7: Partial Differential Equations
Course Code	23C
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms.C.Padmavathi
Programme Coordinator	Ms.R.Geetharamani

Course Outcomes

CO1	Understand and remember the physical situations with real world problems to construct mathematical models using partial differential equations and study the methods to solve.
CO2	Analyze the types of partial differential equations and different methods to solve.
CO3	Evaluate Laplace equation and analyze its applications.
CO4	Apply variable separable method to solve Laplace and Diffusion equations
CO5	Finding the appropriate method to solve the partial differential equations.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	20/04/2021	50	26	24			
2	CIA - II	13/05/2021	50			26	24	
3	MODEL	21/06/2021	50	10	10	10	10	10

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER : II

SUBJECT NAME : Partial Differential Equations

SUBJECT CODE : 23C

S. No.	Roll No.	CIA - I		CIA II		MODEL					Consolidated				
		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		26	24	26	24	10	10	10	10	10	36	34	36	34	10
1	2032A01	22	18	24	18	10	5	8	8	8	32	23	32	26	8
2	2032A02	22	18	22	18	10	7	6	10	7	32	25	28	28	7
3	2032A03	24	22	24	22	7	8	6	10	9	31	30	30	32	9
4	2032A04	26	22	24	22	10	8	9	9	10	36	30	33	31	10
5	2032A05	24	24	8	0	5	6	8	9	5	5	6	16	9	5
6	2032A06	26	20	22	20	10	8	9	10	10	36	28	31	30	10
7	2032A07	24	22	24	22	10	10	9	10	10	34	32	33	32	10
8	2032A08	26	22	22	22	4	8	9	10	5	30	30	31	32	5
9	2032A09	26	20	24	20	8	6	9	9	6	34	26	33	29	6
10	2032A10	26	14	14	14	3	5	7	7	7	29	19	21	21	7
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	13	12	5	5	5	5	5	18	17	18	17	5
Number of students secured more than 50% marks		10	10	9	9	7	8	10	10	8	9	9	9	9	8
% Of students secured more than 50% marks		100	100	90	90	70	80	100	100	80	90	90	90	90	80
Correlation Level											3	3	3	3	3
Attainment 03															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	26	10	100	3
	CO2	10	24	10	100	3
CIA - II	CO3	10	26	9	90	3
	CO4	10	24	9	90	3
MODEL	CO1	10	10	7	70	3
	CO2	10	10	8	80	3
	CO3	10	10	10	100	3
	CO4	10	10	10	100	3
	CO5	10	10	8	80	3
Cumulative	CO1	10	36	9	90	3
	CO2	10	34	9	90	3
	CO3	10	36	9	90	3
	CO4	10	34	9	90	3
	CO5	10	10	8	80	3

Course Outcome attainment = 03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	2	1	2	2	2	3	1	2
CO2	2	2	3	2	3	3	3	3	2	1
CO3	1	3	2	3	3	3	2	3	1	1
CO4	2	3	2	3	3	3	3	3	1	1
CO5	2	3	2	3	3	3	2	3	2	2
03	1.8	2.6	2.2	2.4	2.8	2.8	2.4	3	1.4	1.4
Average	1.8	2.6	2.2	2.4	2.8	2.8	2.4	3	1.4	1.4

Sadhu

Prepared by

Sadhu

Approved by

Course End Report Even Semester 2020–21

Programme Name	M.Sc. Mathematics
Semester	II
Course Name	Core Paper 8: Mechanics
Course Code	23D
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Dr.V. Krishnaveni
Programme Coordinator	Ms. R. Geetharamani

Course Outcomes

CO1	Understand the basic concepts of the mechanical system, generalized coordinates, work, energy and momentum.
CO2	Solve and analyse the Lagrange's equations and integrals of motion with examples.
CO3	Understand the Hamilton's Principle and other variational principles and gain ability to analyse those principles to the problems arising in practical situations.
CO4	Understand and develop the Hamilton's Principal function and Hamilton Jacobi equation.
CO5	Get familiar with canonical transformations, conditions of canonicity of a transformation in terms of Lagrange and Poisson brackets.

Course Outcomes Assessment methods

- 1.CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	19/04/2021	50	24	26			
2	CIA - II	12/05/2021	50			26	24	
3	Model	18/06/2021	50	10	10	10	10	10

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER: II

SUBJECT NAME: Mechanics

SUBJECT CODE:23D

S. no.	Roll No.	CIA - I		CIA II		MODEL					Consolidated				
		CO 1	CO 2	CO 3	CO 4	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5
Course Outcomes															
Total Marks		24	26	26	24	10	10	10	10	10	34	36	36	34	10
1	2032A01	18	26	20	16	6	7	4	8	5	24	33	24	24	5
2	2032A02	22	26	18	16	6	4	3	1	0	28	30	21	17	0
3	2032A03	18	25	18	12	7	9	4	5	5	25	34	22	17	5
4	2032A04	24	26	20	16	4	5	6	7	4	28	31	26	23	4
5	2032A05	0	24	8	12	5	2	5	9	2	5	26	13	21	2
6	2032A06	26	16	22	22	8	7	9	8	3	34	23	31	30	3
7	2032A07	22	20	24	20	9	7	7	6	7	31	27	31	26	7
8	2032A08	18	18	10	14	7	5	6	7	3	25	23	16	21	3
9	2032A09	18	20	14	22	6	10	9	4	7	24	30	23	26	7
10	2032A10	22	0	10	10	8	5	4	7	6	30	5	14	17	6
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	13	12	5	5	5	5	5	17	18	18	17	5
Number of students secured more than 50% marks		9	9	7	7	8	5	5	7	3	9	9	7	7	3
% Of students secured more than 50% marks		90	90	70	70	80	50	50	70	30	90	90	70	70	30
Correlation Level											3	3	2	2	1
Attainment 2.2															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlat ion level
				No.	%	
CIA - I	CO1	10	24	9	90	3
	CO2	10	26	9	90	3
CIA-II	CO3	10	26	7	70	2
	CO4	10	24	7	70	2
Model	CO1	10	10	8	80	3
	CO2	10	10	5	50	1
	CO3	10	10	5	50	1
	CO4	10	10	7	70	2
	CO5	10	10	3	30	1
Cumulative	CO1	10	34	9	90	3
	CO2	10	36	9	90	3
	CO3	10	36	7	70	2
	CO4	10	34	7	70	2
	CO5	10	10	3	30	1

Course Outcome Attainment =2.2 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	2	3	2	3	1	3	1
CO2	2	3	2	3	3	1	2	3	1	2
CO3	3	3	2	3	3	1	3	3	2	1
CO4	3	3	2	3	3	2	2	3	1	3
CO5	3	3	2	3	3	2	2	3	1	3
2.2	2.8	2.8	2.2	2.8	3	1.6	2.4	2.6	1.6	2
Average	2.1	2.1	1.6	2.1	2.2	1.2	1.8	2.0	1.2	1.5

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Course End report Even Semester 2020 – 21

Programme Name	M.Sc. Mathematics
Semester	I
Course Name	Elective 8: Matlab
Course Code	2EA
Class	I M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms. Y. Preethi Ceon
Programme Coordinator	Ms. R. Geetharamani

Course Outcomes

CO1	Understand the basic concepts of starting windows and solve the MATLAB applications.
CO2	Create arrays and solve them in MATLAB.
CO3	Solve problems using M files and apply the same for advanced data objects in MATLAB.
CO4	Understand the importance of MATLAB in differential equations and assess it for plotting graphs using layouts.
CO5	Diagnose various applications of MATLAB in curve fitting, statistics and integration.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Exam

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to Cos				
				CO1	CO2	CO3	CO4	CO5
1	CIA – I	21/04/2021	50	24	26			
2	CIA – II	15/05/2021	50			24	26	
3	Model Exam	22/06/2021	50	10	10	10	10	10

CO Attainment in Continuous Internal Assessment

Attainment level	Description		Correlation level
1	Percentage of students secured more than 50% of marks	Up to 60%	Slight(1)
2		61 % - 70%	Moderate(2)
3		More than 70%	Substantial(3)

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : I M.Sc. Mathematics

SEMESTER : II

SUBJECT NAME : MATLAB

SUBJECT CODE : 2EA

S. No.	Roll No.	CIA - I		CIA - II		MODEL					Consolidated				
Course Outcomes		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		24	26	24	26	10	10	10	10	10	34	36	34	36	10
1	2032A01	20	12	16	20	10	8	9	7	2	30	20	25	27	2
2	2032A02	22	24	18	14	10	10	10	10	10	32	34	28	24	10
3	2032A03	18	12	14	22	9	7	10	7	6	27	19	24	29	6
4	2032A04	24	24	24	24	10	9	9	9	8	34	33	33	33	8
5	2032A05	6	12	8	8	1	5	3	2	1	7	17	11	10	1
6	2032A06	24	22	24	26	10	9	10	10	9	34	31	34	36	9
7	2032A07	24	24	24	24	10	10	9	9	10	34	34	33	33	10
8	2032A08	22	22	18	14	10	6	7	7	8	32	28	25	21	8
9	2032A09	20	18	16	16	10	8	9	9	6	30	26	25	25	6
10	2032A10	16	18	8	10	8	8	7	7	3	24	26	15	17	3
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	12	13	5	5	5	5	5	17	18	17	18	5
Number of students secured more than 50% marks		9	7	8	8	9	9	9	9	7	9	9	8	8	7
% of students secured more than 50% marks		90	70	80	80	90	90	90	90	70	90	90	80	80	70
Correlation Level											3	3	3	3	2
Attainment 2.8															

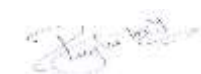
Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA – I	CO1	10	24	9	90	3
	CO2	10	26	7	70	2
CIA – II	CO3	10	24	8	80	3
	CO4	10	26	8	80	3
MODEL	CO1	10	10	9	90	3
	CO2	10	10	9	90	3
	CO3	10	10	9	90	3
	CO4	10	10	9	90	3
	CO5	10	10	5	70	2
Cumulative	CO1	10	34	9	90	3
	CO2	10	36	9	90	3
	CO3	10	34	8	80	3
	CO4	10	36	8	80	3
	CO5	10	10	5	70	2

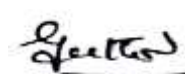
Course Outcome Attainment = 2.8 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	1	3	2	3	3	3	3
CO2	2	3	2	2	2	3	2	2	3	2
CO3	2	2	3	3	3	3	2	3	2	3
CO4	3	2	2	1	2	2	3	2	3	2
CO5	3	2	2	3	2	3	2	3	2	3
2.8	2.6	2.2	2.4	2	2.4	2.6	2.4	2.6	2.6	2.6
Average	2.4	2.1	2.2	1.9	2.2	2.4	2.2	2.4	2.4	2.4



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Cos Attainment

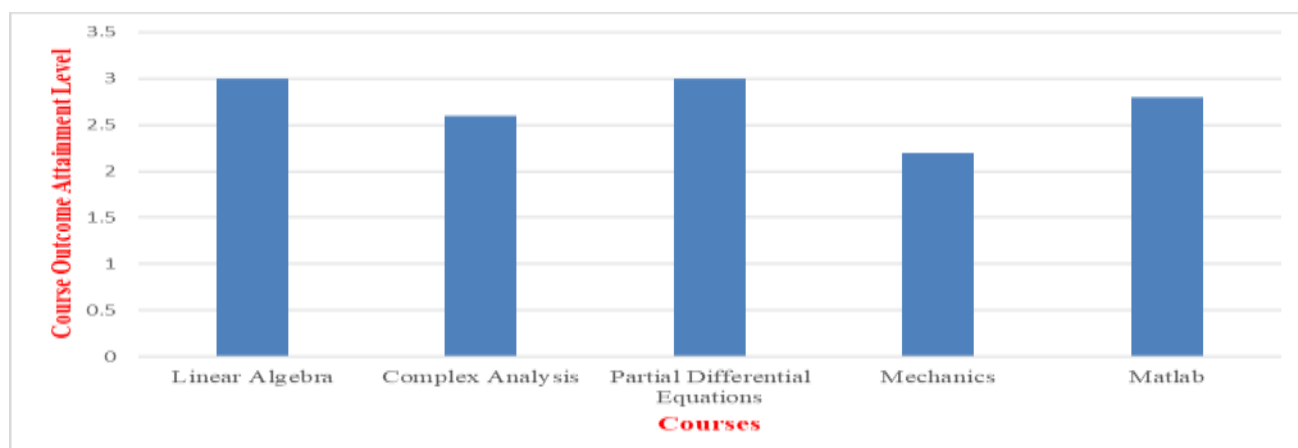
Class: I M.Sc. Mathematics

Semester : II

Strength : 10

Batch :2020-2022

S. No.	Course Code	Name of the Course	Name of the Faculty	CO Attainment(3)
1	23A	Linear Algebra	Ms.G.Hema	03
2	23B	Complex Analysis	Dr.T.Mahalakhmi	2.6
3	23C	Partial differential Equations	Ms.C.Padmavathi	03
4	23D	Mechanics	Dr.V.Krishnaveni	2.2
5.	2EA	Matlab	Ms.Y.Preethiceon	2.8



P. Souda

Prepared by

Sudha

Approved by



**Third
Semester**

Course End Report Odd Semester 2021 – 22

Programme Name	M.Sc. Mathematics
Semester	III
Course Name	Core Paper 9: Topology
Course Code	33A
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Dr.S.K.Mala
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Acquire knowledge about various types of topological spaces and their properties
CO2	Discuss connected spaces, the components of a space
CO3	Apply the properties and derive the proofs of theorems.
CO4	Construct a variety of examples and counter examples in topology
CO5	Understand the properties of the compact spaces and analyse the different types of compactness.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	23/08/2021	50	26	24			
2	CIA - II	27/09/2021	50			26	24	
3	Model Exam	27/12/2021	75	15	15	15	14	16

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF MATHEMATICS

CLASS : II M.Sc. Mathematics

SEMESTER : III

SUBJECT NAME: Topology

SUBJECT CODE : 33A

S. No	Roll No	CIA - I		CIA - II		PG Model Examination					Consolidated				
Course Outcome		CO 1	C O2	CO 3	CO 4	CO 1	CO 2	CO 3	C O4	CO 5	CO 1	CO 2	CO 3	C O 4	C O5
Total Marks		26	24	26	24	15	15	15	14	16	41	39	41	38	16
1	2032A01	26	22	24	26	15	13	15	12	4	41	35	39	38	4
2	2032A02	18	14	24	26	14	14	15	10	15	32	28	39	36	15
3	2032A03	12	12	16	18	7	13	13	6	2	19	25	29	24	2
4	2032A04	24	24	22	22	15	15	14	14	16	39	39	36	36	16
5	2032A05	20	22	14	20	5	8	3	1	9	25	30	17	21	9
6	2032A06	24	24	16	14	15	15	10	14	16	39	39	26	28	16
7	2032A07	22	24	22	22	15	15	14	14	16	37	39	36	36	16
8	2032A08	22	18	22	24	14	15	10	13	16	36	33	32	37	16
9	2032A09	24	20	22	24	15	15	11	5	16	39	35	33	29	16
10	2032A10	20	18	18	18	14	15	14	7	3	34	33	32	25	3
No of students present		10	10	10	10	10	10	10	10	10	10	10	10	10	10
No of students absent		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	13	12	7.5	7.5	7.5	7	8	20.5	19.5	20.5	19	8
No of students secured more than 50% marks		9	9	10	10	8	10	9	6	6	9	10	9	10	7
% of students secured more than 50% marks		90	90	100	100	80	100	90	60	60	90	100	90	100	70
Correlation Level											3	3	3	3	2

Attainment 2.8

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlat ion level
				No.	%	
CIA - I	CO1	10	26	9	90	3
	CO2	10	24	9	90	3
CIA - II	CO3	10	26	10	100	3
	CO4	10	24	10	100	3
Model Exam	CO1	10	15	8	80	3
	CO2	10	15	10	100	3
	CO3	10	15	9	90	3
	CO4	10	14	6	60	1
	CO5	10	16	6	60	1
Cumulative	CO1	10	41	9	90	3
	CO2	10	39	10	100	3
	CO3	10	41	9	90	3
	CO4	10	38	10	100	3
	CO5	10	16	7	70	2

Course Outcome attainment = 2.8 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	1	2	3	1	2	2	3	1	2	3
CO2	3	2	2	1	1	3	3	2	3	2
CO3	3	2	3	1	2	3	3	3	2	3
CO4	3	3	3	2	1	3	3	3	2	3
CO5	3	2	3	2	2	3	3	3	2	3
2.8	2.6	2.2	2.8	1.4	1.6	2.8	3	2.4	2.2	2.8
Average	2.4	2.1	2.6	1.3	1.5	2.6	2.8	2.2	2.1	2.6

Seemala

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Shamika S

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Course End Report Odd Semester 2020 – 21

Programme Name	M.Sc. MATHEMATICS
Semester	III
Course Name	Core Paper 10: Fluid Dynamics
Course Code	33B
Class	II M. Sc Mathematics
Number of Students	10
Course Coordinator	DR. T. Mahalakshmi
Programme Coordinator	Dr. S. Sharmila

Course Outcomes

CO1	Recall the basic concepts of velocity, density and curvilinear co-ordinates.
CO2	Understand the concepts and equations of fluid dynamics.
CO3	Analyze and understand the concepts of the force experienced by a two-dimensional fixed body in a steady irrotational flow.
CO4	Analyze the approximate solution of the Navier-Stokes equation.
CO5	Analyze and apply the approximate method to solve integral equation of boundary layer, Blasius equation and its series solution.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA-II (Continuous Internal Assessment – I)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	24/08/2021	50	26	24			
2	CIA- II	28/09/2021	50			26	24	
3	Model Exam	28/12/2021	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	% of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : I M. Sc MATHEMATICS SEMESTER : II

SUBJECT NAME : FLUID DYNAMICS SUBJECT CODE : 33B

S.No	Roll No	CIA - I		CIA - II		PG MODEL EXAMINATION					CONSOLIDATED				
		CO1	CO2	CO 3	CO 4	CO 1	CO 2	CO 3	CO 4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5
Total Marks		26	24	26	24	15	15	15	15	15	41	39	41	39	15
1	2032A01	24	18	24	20	8	9	13	2	12	32	27	37	22	12
2	2032A02	24	24	22	16	10	13	4	4	5	34	37	26	20	5
3	2032A03	22	22	12	20	10	6	4	1	5	32	28	16	21	5
4	2032A04	26	22	24	18	13	11	9	3	13	39	33	33	21	13
5	2032A05	12	8	20	18	8	8	1	5	10	20	16	21	23	10
6	2032A06	26	24	22	18	11	13	5	2	13	37	37	27	20	13
7	2032A07	26	24	22	18	11	13	13	7	12	37	37	35	25	12
8	2032A08	26	18	22	20	10	12	13	3	8	36	30	35	23	8
9	2032A09	26	20	18	16	12	12	9	1	11	38	32	27	17	11
10	2032A10	24	20	8	10	5	5	7	3	9	29	25	15	13	9
No of students present		10	10	10	10	10	10	10	10	10	10	10	10	10	10
No of students absent		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	13	12	7.5	7.5	7.5	7.5	7.5	20.5	19.5	20.5	19.5	7.5
No of students secured more than 50% marks		9	9	8	9	9	8	5	0	8	9	9	8	8	8
% of students secured more than 50% marks		90	90	80	90	90	80	50	0	80	90	90	80	80	80
Correlation Level											3	3	3	3	3
Attainment 03															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	26	9	90	3
	CO2	10	24	9	90	3
CIA - I	CO3	10	26	8	80	3
	CO4	10	24	9	90	3
Model Exam	CO1	10	15	9	90	3
	CO2	10	15	8	80	3
	CO3	10	15	5	50	1
	CO4	10	15	0	0	0
	CO5	10	15	8	80	3
Cumulative	CO1	10	41	9	90	3
	CO2	10	39	9	90	3
	CO3	10	41	8	80	3
	CO4	10	39	8	80	3
	CO5	10	15	8	80	3

Course Outcome Attainment =03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	3	2	2	2	1	1	2	2	3
CO2	2	3	2	2	3	2	3	2	2	3
CO3	1	2	2	2	3	2	3	3	2	3
CO4	2	2	3	3	2	2	3	3	2	3
CO5	1	2	3	2	2	2	3	3	2	3
03	1.6	2.4	2.4	2.2	2.4	1.8	2.6	2.6	2	3
Average	1.6	2.4	2.4	2.2	2.4	1.8	2.6	2.6	2	3

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Course End Report Odd Semester 2021–22

Programme Name	M.Sc. Mathematics
Semester	III
Course Name	Core Paper 11: Mathematical Statistics
Course Code	33C
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms.R.Geetharamani
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Remembering the understanding the basic concepts such as statistics, probability and random variables.
CO2	Applying the concepts and methods to find the moments of the distributions.
CO3	Study multivariate distributions and the independence of random variables. Further evaluating the marginal distributions from bivariate distributions.
CO4	Analyze and study the properties of some discrete as well as continuous distributions
CO5	Understand the convergence of distributions and central limit theorem

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	25/08/2021	50	24	26			
2	CIA-II	29/09/2021	50		20	30		
2	Model Exam	29/12/2021	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF MATHEMATICS

CLASS : II M.Sc. Mathematics SEMESTER : III

SUBJECT NAME: Mathematical Statistics SUBJECT CODE: 33C

S.No	Roll No	CIA - I		CIA-II		PG Model Examination					Consolidated				
		CO1	CO2	CO2	CO3	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		24	26	20	30	15	15	15	15	15	39	61	45	15	15
1	2032A01	22	24	16	18	10	13	9	10	7	32	53	27	10	7
2	2032A02	24	24	16	24	12	13	8	14	6	36	53	32	14	6
3	2032A03	22	26	18	26	14	6	6	11	7	36	50	32	11	7
4	2032A04	24	26	18	24	15	14	13	15	8	39	58	37	15	8
5	2032A05	AB	AB	10	10	10	10	10	3	5	10	20	20	3	5
6	2032A06	24	26	16	28	10	12	8	10	4	34	54	36	10	4
7	2032A07	24	26	16	26	15	15	14	14	8	39	57	40	14	8
8	2032A08	24	14	16	22	12	10	7	7	8	36	40	29	7	8
9	2032A09	20	22	14	20	12	11	11	11	5	32	47	31	11	5
10	2032A10	24	24	10	14	8	5	6	6	3	32	39	20	6	3
No of students present		9	9	10	10	10	10	10	10	10	10	10	10	10	10
No of students absent		1	1	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		12	13	10	15	7.5	7.5	7.5	7.5	7.5	19.5	30.5	22.5	7.5	7.5
No of students secured more than 50% marks		9	9	8	8	10	8	7	7	3	9	9	8	7	3
% of students secured more than 50% marks		100	100	80	80	100	80	70	70	30	90	100	100	70	30
Correlation Level											3	3	3	2	1
Attainment 2.4															

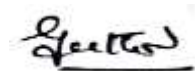
Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlat ion level
				No.	%	
CIA - I	CO1	9	24	9	100	3
	CO2	9	26	9	100	3
CIA - II	CO2	10	20	8	80	3
	CO3	10	30	8	80	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	8	80	3
	CO3	10	15	7	70	2
	CO4	10	15	7	70	2
	CO5	10	15	3	30	1
Cumulative	CO1	10	39	9	90	3
	CO2	10	61	9	90	3
	CO3	10	45	8	80	3
	CO4	10	15	7	70	2
	CO5	10	15	3	30	1

Course Outcome Attainment =2.4 (Substantial)

CO – PO Mapping

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	2	1	1	2	3	3	3	3
CO2	2	3	2	1	3	3	2	3	3	3
CO3	3	2	3	2	2	3	3	2	1	3
CO4	2	2	3	2	2	3	2	3	2	3
CO5	2	2	1	2	3	2	3	3	3	3
2.4	2.4	2.2	2.2	1.6	2.2	2.6	2.6	2.8	2.4	3
Average	1.9	1.8	1.8	1.3	1.8	2.1	2.1	2.2	1.9	2.4



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Course End Report Odd Semester 2021–22

Programme Name	M.Sc. Mathematics
Semester	III
Course Name	Paper 12 : Graph Theory
Course Code	33D
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms.R.Vinitha
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Understand the basic concepts of Graphs and Trees.
CO2	Analyze vertex and Edge Connectivity concepts.
CO3	Acquire Knowledge in Matching and Colorings.
CO4	Apply Chromatic Number.
CO5	Determining the planar, non-planar and Directed graphs.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA – I	26/08/2021	50	26	24			
2	CIA – II	30/09/2021	50			26	24	
3	Model Exam	30/12/2021	75	15	15	15	15	15

CO Attainment in Continuous Internal Assessment

Attainment level	Description		Correlation level
1	Percentage of students secured more than 50% of marks	Up to 60%	Slight(1)
2		61 % - 70%	Moderate(2)
3		More than 70%	Substantial(3)

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : II M.Sc. MATHEMATICS

SEMESTER : III

SUBJECT NAME : Graph Theory

SUBJECT CODE :33D

S. no.	Roll No.	CIA - I		CIA - II		MODEL					Consolidated				
		CO 1	CO 2	CO 3	CO4	CO1	C O2	CO 3	CO4	CO 5	CO 1	CO 2	CO 3	CO 4	CO 5
Total Marks		26	24	26	24	15	15	15	15	15	41	39	41	39	15
1	2032A01	24	24	18	14	13	14	6	12	7	37	38	24	26	7
2	2032A02	26	24	24	22	13	13	13	12	12	39	37	37	34	12
3	2032A03	26	24	24	16	14	5	14	11	4	40	29	38	27	4
4	2032A04	26	22	22	22	15	15	15	15	15	41	37	37	37	15
5	2032A05	10	8	12	12	14	13	9	13	5	24	21	21	25	5
6	2032A06	24	24	18	22	15	15	15	13	15	39	39	33	35	15
7	2032A07	26	22	24	22	15	15	15	15	15	41	37	39	37	15
8	2032A08	22	18	20	14	12	14	13	10	14	34	32	33	24	14

9	2032A09	26	18	20	22	15	14	14	14	12	41	32	34	36	12
10	2032A10	26	24	14	10	14	8	4	9	9	40	32	18	19	9
Number of students present		10	10	10	10	10	10	10	10	10	10	10	10	10	10
Number of students absent		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	13	12	7.5	7.5	7.5	7.5	7.5	20.5	19.5	20.5	19.5	7.5
Number of students secured more than 50% marks		9	9	9	8	10	9	8	10	7	10	10	9	9	7
% of students secured more than 50% marks		90	90	90	80	100	90	80	100	70	100	100	90	90	70
Correlation Level											3	3	3	3	2
Attainment 2.8															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	26	9	90	3
	CO2	10	24	9	90	3
CIA - II	CO3	10	26	9	90	3
	CO4	10	24	8	80	3
MODEL	CO1	10	15	10	100	3
	CO2	10	15	9	90	3
	CO3	10	15	8	80	3
	CO4	10	15	10	100	3
	CO5	10	15	7	70	2
Cumulative	CO1	10	41	10	100	3
	CO2	10	39	10	100	3
	CO3	10	41	9	90	3
	CO4	10	39	9	90	3
	CO5	10	15	7	70	2

Course Outcome Attainment=2.8 (Substantial)

CO – PO Mapping

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	1	2	2	1	2	2	2	3	2	3
CO2	2	3	3	2	2	1	1	3	2	3
CO3	3	3	3	2	1	1	1	2	1	2
CO4	1	2	3	3	2	1	2	3	2	2
CO5	2	1	3	2	2	2	2	3	2	3
2.8	1.8	2.2	2.8	2	1.8	1.4	1.6	2.8	1.8	2.6
Average	1.7	2.1	2.6	1.9	1.7	1.3	1.5	2.6	1.7	2.4



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Course End Report Odd Semester 2021 – 22

Programme Name	M.Sc. Mathematics
Semester	III
Course Name	Elective Paper 3: Neural Networks
Course Code	3EF
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Dr.P.Poongodi
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Understand and analyze different neuron network models
CO2	Understand the basic ideas behind most common learning algorithms for multilayer perceptions, radial-basis function networks.
CO3	Describe Hebb rule and analyze back propagation algorithm with examples.
CO4	Study convergence and generalization and implement common learning algorithm
CO5	Study directional derivatives and necessary conditions for optimality and to evaluate quadratic functions.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA –II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	27/08/2021	50	26	24			
2	CIA - II	01/10/2021	50			26	24	
3	Model Exam	31/12/2021	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

**KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF MATHEMATICS**

CLASS : II M.Sc. Mathematics

SEMESTER : III

SUBJECT NAME: Neural Networks

SUBJECT CODE : 3EF

S.NO	Roll No	CIA - I		CIA - II		PG Model Examination					Consolidated				
Course Outcomes		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		26	24	26	24	15	15	15	15	15	41	39	41	39	15
1	2032A01	22	18	18	18	15	9	13	2	2	37	27	31	20	2
2	2032A02	18	20	26	18	10	10	5	2	2	28	30	31	20	2
3	2032A03	22	24	20	18	7	10	13	4	6	29	34	33	22	6
4	2032A04	22	22	26	18	15	13	13	9	13	37	35	39	27	13
5	2032A05	10	4	10	6	15	10	9	5	7	25	14	19	11	7
6	2032A06	24	22	24	18	15	13	15	15	13	39	35	39	33	13
7	2032A07	24	24	26	18	15	8	12	15	7	39	32	38	33	7
8	2032A08	20	20	26	24	7	11	11	6	9	27	31	37	30	9
9	2032A09	24	18	18	14	14	6	5	2	4	38	24	23	16	4
10	2032A10	24	22	24	22	10	6	9	3	2	34	28	33	25	2
No of students present		10	10	10	10	10	10	10	10	10	10	10	10	10	10
No of students absent		0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		13	12	13	12	7.5	7.5	7.5	7.5	7.5	20.5	19.5	20.5	19.5	7.5
No of students secured more than 50% marks		9	9	9	9	8	8	8	3	3	10	9	9	8	3
% of students secured more than 50% marks		90	90	90	90	80	80	80	30	30	100	90	90	80	30
Correlation Level											3	3	3	3	1
Attainment 2.6															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlat ion level
				No.	%	
CIA - I	CO1	10	26	9	90	3
	CO2	10	24	9	90	3
CIA - II	CO3	10	26	9	90	3
	CO4	10	24	9	90	3
Model Exam	CO1	10	15	8	80	3
	CO2	10	15	8	80	3
	CO3	10	15	8	80	3
	CO4	10	15	3	30	1
	CO5	10	15	3	30	1
Cumulative	CO1	10	41	10	100	3
	CO2	10	39	9	90	3
	CO3	10	41	9	90	3
	CO4	10	39	8	80	3
	CO5	10	15	3	30	1

Course Outcome attainment = 2.6 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	1	2	2	2	1	2	3	3	2
CO2	3	2	2	1	1	1	1	2	2	1
CO3	1	2	2	3	1	1	1	2	2	2
CO4	2	2	1	1	2	1	1	1	2	3
CO5	2	2	2	1	1	1	1	3	2	2
2.6	2.2	1.8	1.8	1.6	1.4	1	1.2	2.2	2.2	2
Average	1.9	1.6	1.6	1.4	1.2	0.9	1.0	1.9	1.9	1.8

P. Souda

Prepared by

Shamika S

Approved by

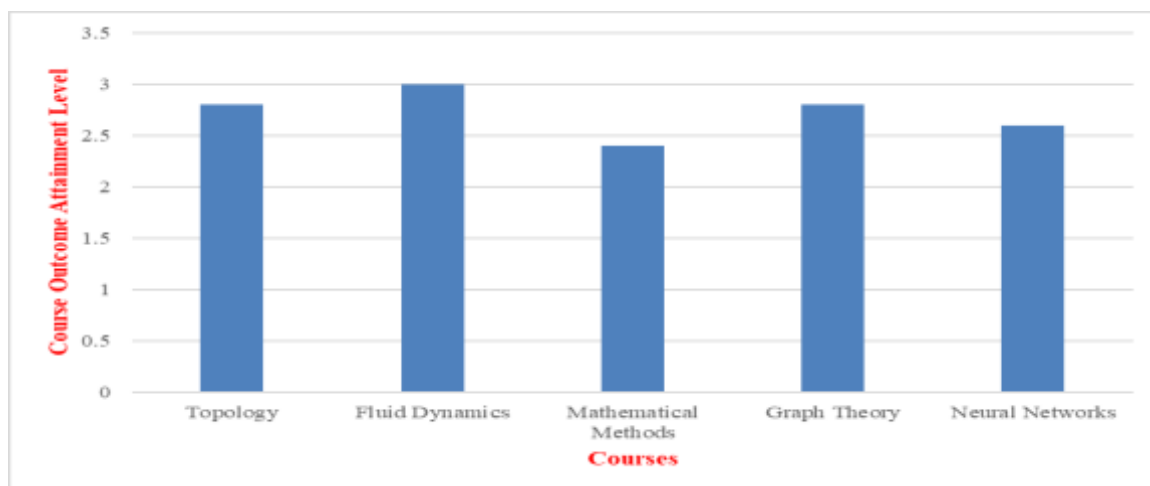


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COs Attainment

Class : II M.Sc. Mathematics Semester : III Strength : 10 Batch :2020 - 2022

S. No.	Course Code	Name of the Course	Name of the Faculty	CO Attainment (3)
1	33A	Topology	Dr.S.K.Mala	2.8
2	33B	Fluid Dynamics	Dr.T.Mahalakshmi	03
3	33C	Mathematical Methods	Ms.R.Geetharamani	2.4
4	33D	Graph Theory	Ms.R.Vinitha	2.8
5	3EF	Neural Networks	Dr.P.Poongodi	2.6



P. Poongodi

Sharmila S

Prepared by

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**Fourth
Semester**

Course End Report Even Semester 2021 – 22

Programme Name	M.Sc. Mathematics
Semester	IV
Course Name	Core Paper 13: Functional Analysis
Course Code	43A
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Dr.S.Sharmila
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Familiarize with the concepts of normed linear spaces and operators on normed linear space
CO2	Demonstrate an understanding of the concepts of Hilbert spaces and Banach spaces, and their role in mathematics
CO3	Apply the theorems.
CO4	Obtain Orthogonal complements, Orthonormal sets and conjugate space.
CO5	Understand the concepts of linear operators, self adjoint, unitary operators , isometric isomorphism on Hilbert spaces ,Determinants ,the spectrum of an operator, Banach algebra .

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	28/03/2022	50	50				
2	Model Exam	30/05/2022	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

**KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF MATHEMATICS**

CLASS : II M.Sc. Mathematics

SEMESTER : IV

SUBJECT NAME : Functional Analysis

SUBJECT CODE : 43A

S.No.	Roll No	CIA - I	PG Model Examination					Consolidated				
Course Outcomes		CO1	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		50	15	15	15	15	15	65	15	15	15	15
1	2032A01	38	15	7	6	15	15	53	7	6	15	15
2	2032A02	44	15	7	15	7	15	59	7	15	7	15
3	2032A03	50	10	15	7	7	10	60	15	7	7	10
4	2032A04	50	15	15	15	15	15	65	15	15	15	15
5	2032A05	44	15	15	7	15	15	59	15	8	15	15
6	2032A06	50	15	15	15	15	15	65	15	15	15	15
7	2032A07	50	15	15	15	15	15	65	15	15	15	15
8	2032A08	45	10	15	15	15	15	55	15	15	15	15

9	2032A09	42	15	10	15	15	15	57	10	15	15	15
10	2032A10	43	15	15	15	15	7	58	15	15	15	7
No of students present		10	10	10	10	10	10	10	10	10	10	10
No of students absent		0	0	0	0	0	0	0	0	0	0	0
50 % marks		25	7.5	7.5	7.5	7.5	7.5	32.5	7.5	7.5	7.5	7.5
No of students secured more than 50% marks		10	10	8	7	8	9	10	8	8	8	9
% of students secured more than 50% marks		100	100	80	70	80	90	100	80	80	80	90
Correlation Level								3	3	3	3	3
Attainment 2.8												

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlat ion level
				No.	%	
CIA - I	CO1	10	50	10	100	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	8	80	3
	CO3	10	15	7	70	3
	CO4	10	15	8	80	3
	CO5	10	15	9	90	3
Cumulative	CO1	10	65	10	100	3
	CO2	10	15	8	80	3
	CO3	10	15	7	80	3
	CO4	10	15	8	80	3
	CO5	10	15	9	90	3

Course Outcome Attainment = 03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	2	2	2	3	1	2	3
CO2	3	3	2	2	1	3	3	2	3	2
CO3	2	2	1	3	3	3	3	3	2	3
CO4	3	2	3	1	1	3	3	3	2	3
CO5	3	3	3	1	3	3	3	2	3	2
03	2.8	2.6	2.4	1.8	2	2.8	3	2.2	2.4	2.6
Average	2.8	2.6	2.4	1.8	2	2.8	3	2.2	2.4	2.6

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Course End Report Even Semester 2021 – 22

Programme Name	M.Sc. Mathematics
Semester	IV
Course Name	Core Paper 14: Mathematical Methods
Course Code	43B
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Dr.P.Poongodi
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Understand and Apply various transforms and Integral equations to solve problems in all respects.
CO2	Recognize and solve the special cases of Volterra Integral equations by the method of resolvent kernel, method of successive approximations and by using transforms.
CO3	Understand the relations between the Hankel, Fourier transform and their applications in evaluating the equations.
CO4	Understand the formulation of variational problems, the variation of functional and its properties.
CO5	Demonstrate and apply the methods in all application problems in day-today life.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	29-03-2022	50	28	22			
2	Model Exam	31-05-2022	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

**KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF MATHEMATICS**

CLASS : II M.Sc. Mathematics
SUBJECT NAME : Mathematical Methods

SEMESTER : IV
SUBJECT CODE : 43B

S.No.	Roll No	CIA - I		PG Model Examination					Consolidated				
Course Outcomes		CO1	CO2	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		28	22	15	15	15	15	15	43	37	15	15	15
1	2032A01	24	16	9	7	7	15	15	33	23	7	15	15
2	2032A02	29	16	15	14	12	14	15	44	30	12	14	15
3	2032A03	26	7	9	9	10	10	8	35	16	10	10	8
4	2032A04	31	18	10	14	15	15	15	41	32	15	15	15
5	2032A05	29	12	10	14	14	13	12	39	26	14	13	12
6	2032A06	22	24	15	10	15	15	14	37	34	15	15	14
7	2032A07	31	18	10	10	15	15	14	41	28	15	15	14
8	2032A08	20	16	9	8	13	12	14	29	24	13	12	14
9	2032A09	24	13	14	9	13	7	15	38	22	13	7	15
10	2032A10	18	7	8	10	14	12	14	26	17	14	12	14
No of students present		10	10	10	10	10	10	10	10	10	10	10	10
No of students absent		0	0	0	0	0	0	0	0	0	0	0	0
50 % marks		14	11	7.5	7.5	7.5	7.5	7.5	21.5	18.5	7.5	7.5	7.5
No of students secured more than 50% marks		10	8	10	9	9	9	10	10	8	9	9	10
% of students secured more		100	80	100	90	90	90	100	100	80	90	90	100
Correlation Level									3	3	3	3	3
Attainment 03													

Analysis of Continuous Internal Assessment

Test	COs	Number of students	Marks in QP	Students scored more		Correlation level
				No.	%	
CIA - I	CO1	10	28	10	100	3
	CO2	10	22	8	80	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	9	90	3
	CO3	10	15	9	90	3
	CO4	10	15	9	90	3
	CO5	10	15	10	100	3
Cumulative	CO1	10	43	10	100	3
	CO2	10	37	8	80	3
	CO3	10	15	9	90	3
	CO4	10	15	9	90	3
	CO5	10	15	10	100	3

Course Outcome attainment = 03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	1	2	2	2	2	3	1	3
CO2	2	2	1	2	2	1	3	2	2	2
CO3	1	2	2	2	1	1	3	2	2	2
CO4	1	2	2	1	2	1	2	3	2	3
CO5	2	2	2	3	2	2	3	3	1	3
03	1.6	2	1.6	2	1.8	1.4	2.6	2.6	1.6	2.6
Average	1.6	2	1.6	2	1.8	1.4	2.6	2.6	1.6	2.6

P. George

Prepared by

Shamika S

Approved by

Course End Report Even Semester 2021 – 22

Programme Name	M.Sc. Mathematics
Semester	IV
Course Name	Paper 15 : Optimization Techniques
Course Code	43C
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms.R.Vinitha
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Explain various techniques to solve real life problems expressed in terms of LPP.
CO2	Solving LPP through Dynamic Programming.
CO3	Apply the fundamental concept of Inventory control.
CO4	Understanding the queuing theory.
CO5	Solving NLPP using Kuhn–Tucker Method.

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. CIA – II (Continuous Internal Assessment – II)
3. Model Examination

Scheme of Assessment Methods

S. No.	Assessment name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA – I	31/03/2022	50	29	21			
2	CIA – II	28/04/2022	50			25	25	
3	Model Exam	01/06/2022	75	15	15	19	15	11

CO Attainment in Continuous Internal Assessment

Attainment level	Description		Correlation level
1	Percentage of students secured more than 50% of marks	Up to 60%	Slight(1)
2		61 % - 70%	Moderate(2)
3		More than 70%	Substantial(3)

**KG COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF MATHEMATICS**

CLASS : II M.Sc. Mathematics

SEMESTER : IV

SUBJECT NAME : OPTIMIZATION TECHNIQUES

SUBJECT CODE : 43C

S. No	Roll No	CIA - I		CIA - II		PG Model Examination					Consolidated				
		CO1	CO2	CO3	CO4	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		29	21	25	25	15	15	19	15	11	44	36	44	40	11
1	2032A01	15	15	25	25	7	14	15	9	14	22	29	40	34	14
2	2032A02	18	14	AB	AB	15	15	15	14	15	33	29	15	14	15
3	2032A03	20	5	25	23	12	7	19	12	5	32	12	44	35	5
4	2032A04	24	15	25	25	15	15	19	15	11	39	30	44	40	11
5	2032A05	17	8	24	11	13	6	13	14	7	30	14	37	25	7
6	2032A06	21	21	25	25	15	14	19	15	11	36	35	44	40	11
7	2032A07	29	16	25	25	15	15	19	15	11	44	31	44	40	11

8	2032A08	19	11	AB	AB	9	10	14	9	4	28	21	14	9	4
9	2032A09	16	16	24	25	15	14	19	15	11	31	30	43	40	11
10	2032A10	12	13	20	20	15	11	15	13	6	27	24	35	33	6
No of students present		10	10	8	8	10	10	10	10	10	10	10	10	10	10
No of students absent		0	0	2	2	0	0	0	0	0	0	0	0	0	0
50 % marks		14.5	10.5	12.5	12.5	7.5	7.5	9.5	7.5	5.5	22	18	22	20	5.5
No of students secured more than 50% marks		9	8	8	7	9	8	10	10	8	9	8	8	8	8
% of students secured more than 50% marks		90	80	100	88	90	80	100	100	80	90	80	80	80	80
Correlation Level											3	3	3	3	3
Attainment 03															

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	29	9	90	3
	CO2	10	21	8	80	3
CIA - II	CO3	8	25	8	100	3
	CO4	8	25	7	88	3
MODEL	CO1	10	15	9	90	3
	CO2	10	15	8	80	3
	CO3	10	19	10	100	3
	CO4	10	15	10	100	3
	CO5	10	11	8	80	3
Cumulative	CO1	10	44	10	100	3
	CO2	10	36	8	80	3
	CO3	10	44	8	80	3
	CO4	10	40	8	80	3
	CO5	10	11	8	80	3

Course Outcome attainment=03(Substantial)

CO – PO Mapping

Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	1	3	2	2	3	3	3	3	3
CO2	3	2	3	3	3	3	2	3	1	3
CO3	3	2	3	3	3	3	2	3	1	3
CO4	2	1	3	2	2	3	3	3	3	3
CO5	3	2	3	3	3	3	2	3	1	3
03	2.6	1.6	3	2.6	2.6	3	2.4	3	1.8	3
Average	2.6	1.6	3	2.6	2.6	3	2.4	3	1.8	3

R. V. J.

Prepared by

Shamika S.

Approved by

Course End Report Even Semester 2021 – 22

Programme Name	M.Sc. Mathematics
Semester	IV
Course Name	Core Paper 15: Computer Programming C++ Theory
Course Code	43D
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Dr.P.R.Kavitha
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Understand and apply the C++ structure, tokens, expressions, control structures
CO2	Ability to declare various prototyping, friend and virtual functions
CO3	Create Classes, objects, arrays of objects, constructors, and Destructors
CO4	Analyze over loading operators and inheritance
CO5	Deliberate files, pointers and templates. Create, design and develop quality programs in C++

Course Outcomes Assessment methods

1. CIA – I (Continuous Internal Assessment – I)
2. Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	30-03-2022	50	50				
2	Model Exam	02-06-2022	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE**DEPARTMENT OF MATHEMATICS****CLASS : II M.Sc. Mathematics****SEMESTER : IV****SUBJECT NAME : Computer Programming(C++ Theory)****SUBJECT CODE : 43D**

S.No	Roll No	CIA - I	PG Model Examination					Consolidated				
Course Outcomes		CO1	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		50	15	15	15	15	15	65	15	15	15	15
1	2032A01	48	11	12	12	7	9	59	12	12	7	9
2	2032A02	48	14	12	6	7	6	62	12	6	7	6
3	2032A03	47	13	8	14	14	13	60	8	14	14	13
4	2032A04	48	13	14	14	10	9	61	14	14	10	9
5	2032A05	42	12	14	8	8	7	54	14	8	8	7
6	2032A06	48	12	14	13	10	12	60	14	13	10	12
7	2032A07	48	13	14	15	10	10	61	14	15	10	10
8	2032A08	40	12	14	14	8	11	52	14	14	8	11
9	2032A09	46	12	14	15	12	10	58	14	15	12	10

10	2032A10	25	13	14	10	10	8	38	14	10	10	8
No of students present		10	10	10	10	10	10	10	10	10	10	10
No of students absent		0	0	0	0	0	0	0	0	0	0	0
50 % marks		25	7.5	7.5	7.5	7.5	7.5	32.5	7.5	7.5	7.5	7.5
No of students secured more than 50% marks		9	10	10	9	8	8	10	10	9	8	8
% of students secured more than 50% marks		90	100	100	90	80	80	100	100	90	80	80
Correlation Level								3	3	3	3	3
Attainment 03												

Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	50	9	90	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	10	100	3
	CO3	10	15	9	90	3
	CO4	10	15	8	80	3
	CO5	10	15	8	80	3
Cumulative	CO1	10	65	10	100	3
	CO2	10	15	10	100	3
	CO3	10	15	9	90	3
	CO4	10	15	8	80	3
	CO5	10	15	8	80	3

Course Outcome attainment = 03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	2	2	3	1	2	3	3
CO2	2	3	3	2	3	3	1	2	3	3
CO3	2	2	1	3	2	2	1	3	3	2
CO4	2	3	3	1	2	3	2	3	3	2
CO5	2	2	1	1	3	3	2	3	3	2
03	2.2	2.4	2.2	1.8	2.4	2.8	1.4	2.6	3	2.4
Average	2.2	2.4	2.2	1.8	2.4	2.8	1.4	2.6	3	2.4

P.R. Lt

Prepared by

Sharmila S

Approved by

Course End Report Even Semester 2021–22

Programme Name	M.Sc. Mathematics
Semester	IV
Course Name	Elective 4: Control Theory
Course Code	4EC
Class	II M.Sc. Mathematics
Number of Students	10
Course Coordinator	Ms.R.Geetharamani
Programme Coordinator	Dr.S.Sharmila

Course Outcomes

CO1	Explain observability and estimate the observability of constant coefficient system, linear, nonlinear system, and discuss reconstruction kernel.
CO2	Apply controllability criteria to constant coefficient system, linear, nonlinear system, and explain steering function.
CO3	Apply controllability criteria to constant coefficient system, linear, nonlinear system, and explain steering function.
CO4	Evaluate stabilizabilization via linear feedback control, Bass method.
CO5	Analyze controllable subspace, and stabilization with restricted feedback.

Course Outcomes Assessment methods

1.CIA – I (Continuous Internal Assessment – I)

2.Model Examination

Scheme of Assessment Methods

S. No.	Assessment Name	Date	Total marks	Marks distribution to COs				
				CO1	CO2	CO3	CO4	CO5
1	CIA - I	01/04/2022	50	32	18			
2	Model Exam	03/06/2022	75	15	15	15	15	15

CO Attainment in Internal Assessment Tests

Attainment level	Description	Correlation level
1	Percentage of students secured more than 50% of marks	up to 60%
2		61 % - 70%
3		More than 70%

KG COLLEGE OF ARTS AND SCIENCE

DEPARTMENT OF MATHEMATICS

CLASS : II M.Sc. Mathematics

SEMESTER : IV

SUBJECT NAME : Control Theory

SUBJECT CODE: 4EC

S. No.	Roll No	CIA - I		PG Model Examination					Consolidated				
Course Outcomes		CO1	CO2	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
Total Marks		32	18	15	15	15	15	15	47	33	15	15	15
1	2032A01	23	15	15	11	9	15	11	38	26	9	15	11
2	2032A02	23	17	15	10	13	15	11	38	27	13	15	11
3	2032A03	14	12	12	2	12	7	10	26	14	12	7	10
4	2032A04	30	18	15	15	14	15	14	45	33	14	15	14
5	2032A05	25	15	15	11	9	12	8	40	26	9	12	8
6	2032A06	24	17	15	14	14	15	14	39	31	14	15	14
7	2032A07	29	18	15	15	14	15	14	44	33	14	15	14
8	2032A08	20	12	13	13	9	10	9	33	25	9	10	9
9	2032A09	24	16	15	14	13	15	14	39	30	13	15	14
10	2032A10	21	10	15	15	12	13	12	36	25	12	13	12
No of students present		10	10	10	10	10	10	10	10	10	10	10	10

KG College of Arts and Science	Criterion 2 – Student centric methods	2.6.1.Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website
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No of students absent	0	0	0	0	0	0	0	0	0	0	0	0
50 % marks	16	9	7.5	7.5	7.5	7.5	7.5	23.5	16.5	7.5	7.5	7.5
No of students secured more than 50% marks	9	10	10	9	10	9	10	10	9	10	9	10
% of students secured more than 50% marks	90	100	100	90	100	90	100	100	90	100	90	100
Correlation Level								3	3	3	3	3
Attainment 03												

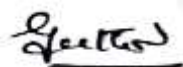
Analysis of Continuous Internal Assessment

Test	COs	Number of students present	Marks in QP	Students scored more than 50% of marks		Correlation level
				No.	%	
CIA - I	CO1	10	32	9	90	3
	CO2	10	18	10	100	3
Model Exam	CO1	10	15	10	100	3
	CO2	10	15	9	90	3
	CO3	10	15	10	100	3
	CO4	10	15	9	90	3
	CO5	10	15	10	100	3
Cumulative	CO1	10	47	10	100	3
	CO2	10	33	9	90	3
	CO3	10	15	10	100	3
	CO4	10	15	9	90	3
	CO5	10	15	10	100	3

Course Outcome Attainment =03 (Substantial)

CO – PO Mapping

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	2	1	3	3	2	1	2	2
CO2	2	2	3	2	2	2	2	2	2	3
CO3	3	3	2	2	2	2	3	3	3	3
CO4	2	2	3	3	3	3	1	2	3	2
CO5	3	3	2	3	2	2	1	2	2	2
3	2.6	2.4	2.4	2.2	2.4	2.4	1.8	2	2.4	2.4
Average	2.6	2.4	2.4	2.2	2.4	2.4	1.8	2	2.4	2.4



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KGiSL Campus, Coimbatore – 641 035

COs Attainment

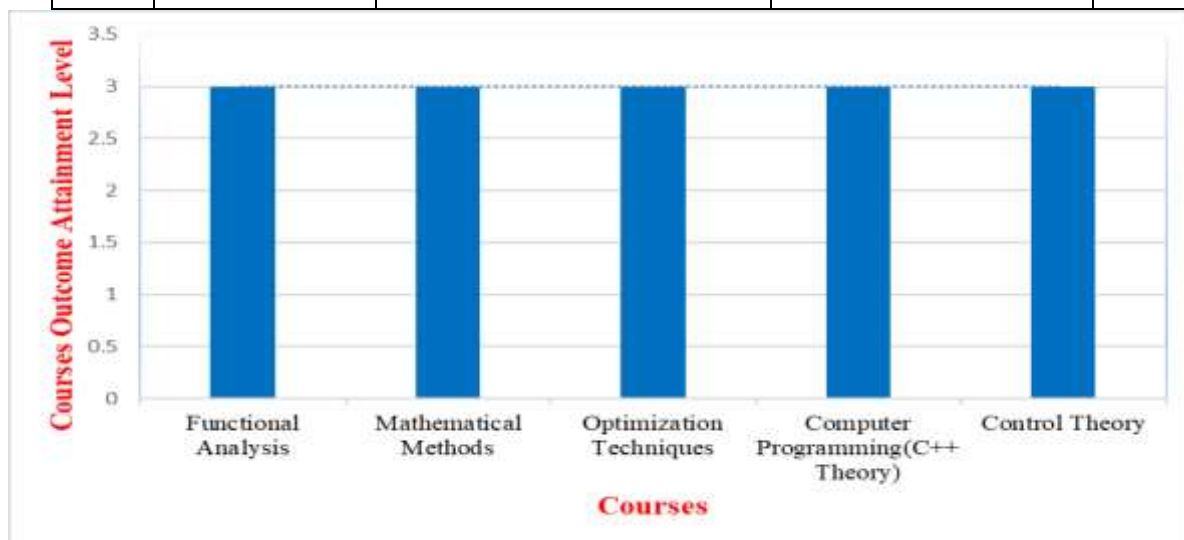
Class : II M.Sc. Mathematics

Semester : IV

Strength : 10

Batch :2020

S. No.	Course Code	Name of the Course	Name of the Faculty	CO Attainment (3)
1	43A	Functional Analysis	Dr.S.Sharmila	03
2	43B	Mathematical Methods	Dr.P.Poongodi	03
3	43C	Optimization Techniques	Ms.R.Vinitha	03
4	43D	Computer Programming C++ Theory	Dr.P.K.Kavitha	03
5	4EC	Control Theory	Ms.R.Geetharamani	03



P. Poongodi

Prepared by

Sharmila S

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COs - POs Matrix for all the courses

Programme : M.Sc. Mathematics

Batch : 2020

S. No.	Name of the Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	Abstract Algebra	2.0	1.6	2.2	2.0	2.2	2.2	1.8	2.0	1.8	2.6
2	Real Analysis	1.6	2.0	2.8	1.4	2.6	2.2	2.6	2.4	1.8	2
3	Ordinary Differential Equations	1.8	2.6	2.4	2.4	3.0	2.2	3.0	2.8	2.2	2.2
4	Numerical Analysis	3.0	2.4	1.8	3	2.6	2.4	1.8	2.6	1.6	1.6
5	Latex	1.8	1.6	1.2	2.0	2.0	2.4	1.0	1.8	2.4	2.0
6	Linear Algebra	1.8	1.6	1.2	2.0	2.0	2.4	1.0	1.8	2.4	2.0
7	Complex Analysis	2.4	2.8	2.4	2.2	1.8	2.4	2.6	2.2	1.4	2.4
8	Partial Differential Equations	1.8	2.6	2.2	2.4	2.8	2.8	2.4	3.0	1.4	1.4
9	Mechanics	2.8	2.8	2.2	2.8	3	1.6	2.4	2.6	1.6	2.0
10	Mat lab	2.6	2.2	2.4	2.0	2.4	2.6	2.4	2.6	2.6	2.6
11	Topology	2.6	2.2	2.8	1.4	1.6	2.8	3.0	2.4	2.2	2.8
12	Fluid Dynamics	1.6	2.4	2.4	2.2	2.4	1.8	2.6	2.6	2.0	3.0
13	Mathematical Statistics	2.4	2.2	2.2	1.6	2.2	2.6	2.6	2.8	2.4	3.0

S. No.	Name of the Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
14	Graph Theory	1.8	2.2	2.8	2.0	1.8	1.4	1.6	2.8	1.8	2.6
15	Neural Networks	2.2	1.8	1.8	1.6	1.4	1.0	1.2	2.2	2.2	2.0
16	Functional Analysis	2.8	2.6	2.4	1.8	2	2.8	3	2.2	2.4	2.6
17	Mathematical Methods	1.6	2	1.6	2.0	1.8	1.4	2.6	2.6	1.6	2.6
18	Optimization Techniques	2.6	1.6	3.0	2.6	2.6	3.0	2.4	3.0	1.8	3.0
19	Computer Programming C++ Theory	2.2	2.4	2.2	1.8	2.4	2.8	1.4	2.6	3.0	2.4
20	Control Theory	2.6	2.4	2.4	2.2	2.4	2.4	1.8	2	2.4	2.4
Target		2.2	2.2	2.2	2.1	2.3	2.3	2.2	2.5	2.1	2.4

POs Attainment

Programme : M.Sc. Mathematics

Batch : 2020

S. No.	Name of the Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
1	Abstract Algebra	2	1.6	2.2	2	2.2	2.2	1.8	2	1.8	2.6
2	Real Analysis	1.6	2	2.8	1.4	2.6	2.2	2.6	2.4	1.8	2
3	Ordinary Differential Equations	1.8	2.6	2.4	2.4	3	2.2	3	2.8	2.2	2.2
4	Numerical Analysis	3	2.4	1.8	3	2.6	2.4	1.8	2.6	1.6	1.6
5	Latex	1.8	1.6	1.2	2	2	2.4	1	1.8	2.4	2
6	Linear Algebra	1.8	1.6	1.2	2	2	2.4	1	1.8	2.4	2
7	Complex Analysis	2.1	2.4	2.1	1.9	1.6	2.1	2.3	1.9	1.2	2.1
8	Partial Differential Equations	1.8	2.6	2.2	2.4	2.8	2.8	2.4	3	1.4	1.4
9	Mechanics	2.1	2.1	1.6	2.1	2.2	1.2	1.8	2.0	1.2	1.5
10	Mat lab	2.4	2.1	2.2	1.9	2.2	2.4	2.2	2.4	2.4	2.4
11	Topology	2.4	2.1	2.6	1.3	1.5	2.6	2.8	2.2	2.1	2.6
12	Fluid Dynamics	1.6	2.4	2.4	2.2	2.4	1.8	2.6	2.6	2	3
13	Mathematical Statistics	1.9	1.8	1.8	1.3	1.8	2.1	2.1	2.2	1.9	2.4
14	Graph Theory	1.7	2.1	2.6	1.9	1.7	1.3	1.5	2.6	1.7	2.4
15	Neural Networks	1.9	1.6	1.6	1.4	1.2	0.9	1.0	1.9	1.9	1.8
16	Functional Analysis	2.8	2.6	2.4	1.8	2	2.8	3	2.2	2.4	2.6

S. No.	Name of the Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
17	Mathematical Methods	1.6	2	1.6	2	1.8	1.4	2.6	2.6	1.6	2.6
18	Optimization Techniques	2.6	1.6	3	2.6	2.6	3	2.4	3	1.8	3
19	Computer Programming C++ Theory	2.2	2.4	2.2	1.8	2.4	2.8	1.4	2.6	3.0	2.4
20	Control Theory	2.6	2.4	2.4	2.2	2.4	2.4	1.8	2	2.4	2.4
Attainment		2.1	2.1	2.1	2.0	2.2	2.2	2.1	2.3	2.0	2.3

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Target	2.2	2.2	2.2	2.1	2.3	2.3	2.2	2.5	2.1	2.4
Attainment	2.1	2.1	2.1	2.0	2.2	2.2	2.1	2.3	2.0	2.3
Attainment level (3)	95.5	95.5	95.5	95.2	95.7	95.7	95.5	92.0	95.2	95.8

P. George

Prepared by

Shamika S

Approved by

