

**DEPARTMENT OF COMPUTER  
SCIENCE AND APPLICATIONS**

**Course Outcome Attainment**

Programme: 152 Academic Year: 2022-2023  
 Batch: 2020-2023 Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XGL101	Communication Skills in English	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA103	C Programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA104	Algebra, Calculus and Analytical Geometry	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	1	No
XCA105	Computer Organization and Architecture	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM106	Human Ethics, Values, Rights and Gender Equality	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XGL201	ENGLISH FOR EFFECTIVE COMMUNICATION	CO1	60	2	No
		CO2	60	2	No
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No

*J. P. J.*  
HOD

*M. Samita Devi*  
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### Course Outcome Attainment

Programme: 152

AcademicYear: 2022-2023

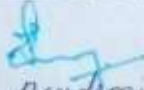
Batch: 2020-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XES202	ENVIRONMENTAL STUDIES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA203	OBJECT ORIENTED PROGRAMMING WITH C++	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XCA204	DISCRETE MATHEMATICS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA205	COMPUTER NETWORKS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA206	DATA STRUCTURES AND ALGORITHMS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XCA301	HTML and DHTML	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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### Course Outcome Attainment

Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XCA302	Database Management Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA303	Visual Programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA304	Statistical and Numerical Methods	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM306	Disaster Management	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA307	Minor Course - Web Technology - 1 Credit	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA401	DATA ANALYTICS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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**Course Outcome Attainment**

Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XCA402	Java Programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA403	RESOURCE MANAGEMENT TECHNIQUES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA404	OPERATING SYSTEMS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA405	SOFTWARE TESTING TOOLS AND PRACTICES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA501	XML and Web Services	CO1	60	3	Yes
		CO2	60	1	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XCA502A	Software Engineering	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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### Course Outcome Attainment

Programme: 152 Academic Year: 2022-2023  
 Batch: 2020-2023 Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XCA503A	Unix and Shell Programming	CO1	60	3	Yes
		CO2	60	0	No
		CO3	60	2	No
		CO4	60	0	No
		CO5	60	1	No
XCA504A	Enterprise Resource Planning	CO1	60	1	No
		CO2	60	1	No
		CO3	60	1	No
		CO4	60	0	No
		CO5	60	0	No
XCA505	Minor Course - Android App Development - Mobile Technology - 1 Credit	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA506	Inplant Training	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA601	Introduction to Graphics Design	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA602A	Net Technologies	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	0	No

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### Course Outcome Attainment

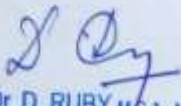
Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XCA603A	Mobile Computing	CO1	60	1	No
		CO2	60	1	No
		CO3	60	3	Yes
		CO4	60	0	No
		CO5	60	0	No
XCA604	Project Work	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

  
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Overall PO Attainment Report

Programme: 152 Academic Year: 2022-2023  
 Batch: 2020-2023 Section: A

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
1	XGL101	1.4	1.4	3	1.6	0.6	0	0	2.6	2.6
2	XCA103	2.8	2	2	1	1	1	1	1.4	1
3	XCA104	2	0.7	0	0	0.7	0	0.7	0	0
4	XCA105	2.8	2.6	2	2	2	1	1	2	2
5	XUM106	0	0	0	0	0.8	1.7	0.3	0	0
6	XGL201	0.9	0	0	0	0	0	0.8	0	0
7	XES202	0.4	0	2.4	0.2	0	2.8	1.8	0	0
8	XCA203	2.3	2.1	1.6	1.6	1.6	0.8	1.6	2.1	2.1
9	XCA204	3	0.6	0	0.2	1	0	1	0	0
10	XCA205	2.8	2.6	2	2	2	1	1	3	2
11	XCA206	2.4	2.1	1.6	1.6	1.6	0.8	1.6	2.4	2.1
12	XCA301	2.8	2.6	2	2	2	1	2	2.6	3
13	XCA302	3	2.6	2	2	2	1	2	3	3

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**Overall PO Attainment Report**

Programme: 152 Academic Year: 2022-2023

Batch: 2020-2023 Section: A

14	XCA303	3	3	2	2	2	2	1	2	3	3
15	XCA304	3	1	0	0	1	0	1	0	1	0
16	XUM306	0	0	0	0	2	2	2	3	0	0
17	XCA307	3	3	3	3	3	3	3	3	3	3
18	XCA401	3	2.6	2	2	2	1	2	2.6	2.6	2.6
19	XCA402	3	3	2.2	2.2	2.2	1	2	2.6	3	3
20	XCA403	3	1	0	0	1	0	1	0	0	0
21	XCA404	2.8	2.6	2	2	2	1	2	2.6	2.6	2.6
22	XCA405	3	3	3	3	3	3	3	3	3	3
23	XCA501	2.4	1.3	1.5	2.1	0.8	0.8	1.3	1.2	2	2
24	XCA502A	2.8	2.6	2	2	2	1	1	3	2	2
25	XCA503A	1.2	1	0.8	0.8	0.8	0.4	0.8	1.1	1.1	1.1
26	XCA504A	0.6	0.6	0.4	0.4	0.4	0.2	0.2	0.4	0.4	0.4
27	XCA505	3	3	2.4	2.4	2.4	2.4	2.4	2.4	3	3
28	XCA506	3	3	2	2	2	2	2	2	3	3

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### Overall PO Attainment Report

Programme: 152      Academic Year: 2022-2023

Batch: 2020-2023      Section: A

		2.8	2.6	2	2	2	2	1	2	2.6	2.6
29	XCA601	2.8	2.6	2	2	2	2	1	2	2.6	2.6
30	XCA602A	2.2	2	1.5	1.5	1.5	1.5	0.7	1.5	2.2	2.2
31	XCA603A	1	0.7	0.7	0.7	0.3	0.3	0.3	0.7	0.7	0.9
32	XCA604	3	3	2	2	2	2	2	2	3	3

Average Attained	2.3	1.8	1.5	1.4	1.5	1.1	1.5	1.8	1.7
Direct Attainment(80%)	2.7	2.7	2.6	2.6	2.6	2.8	2.6	2.7	2.6

Prog. Exit Survey(10%)	3	3	3	3	3	3	3	3	3
Alumni Survey(10%)	3	3	3	3	3	3	3	3	3

Overall Attainment	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.7	2.7
Attained	No	No	No	No	No	No	No	No	No

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### Course Outcome Attainment

Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: B

Course Code	Course Name	CO	Target %	Level	Attained
XGL101	Communication Skills in English	CO1	60	2	No
		CO2	60	2	No
		CO3	60	1	No
		CO4	60	1	No
		CO5	60	1	No
XCA103	C Programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	3	Yes
XCA104	Algebra, Calculus and Analytical Geometry	CO1	60	2	No
		CO2	60	2	No
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	1	No
XCA105	Computer Organization and Architecture	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XUM106	Human Ethics, Values, Rights and Gender Equality	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XGL201	ENGLISH FOR EFFECTIVE COMMUNICATION	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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### Course Outcome Attainment

Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: B

Course Code	Course Name	CO	Target %	Level	Attained
XE3202	ENVIRONMENTAL STUDIES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XCA203	OBJECT ORIENTED PROGRAMMING WITH C++	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XCA204	DISCRETE MATHEMATICS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA205	COMPUTER NETWORKS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XCA206	DATA STRUCTURES AND ALGORITHMS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XCA301	HTML and DHTML	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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### Course Outcome Attainment

Programme: 152

AcademicYear: 2022-2023

Batch: 2020-2023

Section: B

Course Code	Course Name	CO	Target %	Level	Attained
XCA302	Database Management Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA303	Visual Programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA304	Statistical and Numerical Methods	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	2	No
		CO5	60	2	No
XUM306	Disaster Management	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA307	Minor Course - Web Technology - 1 Credit	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA401	DATA ANALYTICS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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 DEAN ACADEMIC (TLR)

**Course Outcome Attainment**

Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: B

Course Code	Course Name	CO	Target %	Level	Attained
XCA402	Java Programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA403	RESOURCE MANAGEMENT TECHNIQUES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA404	OPERATING SYSTEMS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA405	SOFTWARE TESTING TOOLS AND PRACTICES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA501	XML and Web Services	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA502A	Software Engineering	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	2	No
		CO4	60	3	Yes
		CO5	60	1	No

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### Course Outcome Attainment

Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: B

Course Code	Course Name	CO	Target %	Level	Attained
XCA503A	Unix and Shell Programming	CO1	60	3	Yes
		CO2	60	1	No
		CO3	60	1	No
		CO4	60	2	No
		CO5	60	1	No
XCA504A	Enterprise Resource Planning	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA505	Minor Course - Android App Development - Mobile Technology - 1 Credit	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA506	Inplant Training	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA601	Introduction to Graphics Design	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA602A	.Net Technologies	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	2	No
		CO4	60	0	No
		CO5	60	1	No

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### Course Outcome Attainment

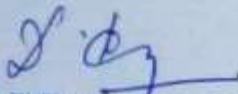
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Academic Year: 2022-2023

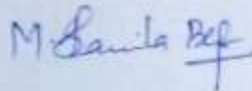
Batch: 2020-2023

Section: B

Course Code	Course Name	CO	Target %	Level	Attained
XCA603A	Mobile Computing	CO1	60	1	No
		CO2	60	1	No
		CO3	60	1	No
		CO4	60	0	No
		CO5	60	1	No
XCA604	Project Work	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes



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Overall PO Attainment Report

Programme: 152 Academic Year: 2022-2023  
 Batch: 2020-2023 Section: B

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
1	XGL101	0.7	0.7	1.4	0.7	0.3	0	0	1.2	1.2
2	XCA103	2.6	1.9	1.9	0.9	0.9	0.9	0.9	1.3	0.9
3	XCA104	1.8	0.6	0	0	0.6	0	0.6	0	0
4	XCA105	2.3	2.1	1.6	1.6	1.5	0.8	0.8	1.6	1.6
5	XUM106	0	0	0	0	0.8	1.7	0.3	0	0
6	XGL201	1.4	0	0	0	0	0	1.2	0	0
7	XES202	0.3	0	1.9	0.1	0	2.2	1.3	0	0
8	XCA203	2.6	2.5	1.9	1.9	1.9	0.9	1.9	2.5	2.5
9	XCA204	3	0.6	0	0.2	1	0	1	0	0
10	XCA205	2.3	2.1	1.6	1.6	1.6	0.8	0.8	2.4	1.6
11	XCA206	2.8	2.5	1.9	1.9	1.9	0.9	1.9	2.8	2.5
12	XCA301	2.6	2.6	2	2	2	1	2	2.6	3
13	XCA302	3	2.6	2	2	2	1	2	3	3

*S. D. J.*  
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Dean Academic (TLE)

Overall PO Attainment Report

Programme: 152 Academic Year: 2022-2023  
Batch: 2020-2023 Section: B

14	XCA303	3	3	2	2	2	2	2	1	2	3	3
15	XCA304	2.4	0.8	0	0	0.8	0	0.8	0	0.8	0	0
16	XUM305	0	0	0	0	2	2	2	2	3	0	0
17	XCA307	3	3	3	3	3	3	3	3	3	3	3
18	XCA401	3	2.6	2	2	2	2	2	1	2	2.6	2.6
19	XCA402	3	3	2.2	2.2	2.2	2.2	2.2	1	2	2.6	3
20	XCA403	3	1	0	0	1	0	1	0	1	0	0
21	XCA404	2.8	2.6	2	2	2	2	2	1	2	2.6	2.6
22	XCA405	3	3	3	3	3	3	3	3	3	3	3
23	XCA501	3	1.6	1.8	2.6	1	1	1.6	1	1.6	1.6	2.6
24	XCA502A	2.1	1.9	1.5	1.5	1.5	1.5	0.7	0.7	2.2	1.5	1.5
25	XCA503A	1.5	1.5	1.1	1.1	1.1	1.1	0.5	1.1	1.4	1.4	1.4
26	XCA504A	2.8	2.6	2	2	2	2	1	1	2	2	2
27	XCA505	3	3	2.4	2.4	2.4	2.4	2.4	2.4	3	3	3
28	XCA506	3	3	2	2	2	2	2	2	2	3	3

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Dean Academic (TLE)

### Overall PO Attainment Report

Programme: 152 Academic Year: 2022-2023


Batch: 2020-2023 Section: B

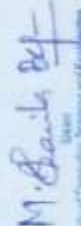
		2.8	2.6	2	2	2	2	1	2	2.6	2.6
29	XCA601	2.8	2.6	2	2	2	2	1	2	2.6	2.6
30	XCA602A	1.6	1.4	1.1	1.1	1.1	1.1	0.5	1.1	1.6	1.6
31	XCA603A	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.5	0.5	0.7
32	XCA604	3	3	2	2	2	2	2	2	3	3


Average Attained	2.3	1.8	1.5	1.4	1.5	1.1	1.5	1.7	1.7
Direct Attainment(80%)	2.7	2.7	2.6	2.6	2.6	2.8	2.6	2.6	2.6

Prog. Exit Survey(10%)	3	3	3	3	3	3	3	3	3
Alumni Survey(10%)	3	3	3	3	3	3	3	3	3

Overall Attainment	2.8	2.8	2.7	2.7	2.7	2.8	2.7	2.7	2.7
Attained	No	No	No	No	No	No	No	No	No

  
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### Course Outcome Attainment

Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: 6

Course Code	Course Name	CO	Target %	Level	Attainment
XCE101	Communication Skills in English	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
XCA103	C Programming	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
XCA104	Algebra, Calculus and Analytical Geometry	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	2	No
		CO5	80	3	Yes
XCA105	Computer Organization and Architecture	CO1	80	2	No
		CO2	80	2	No
		CO3	80	2	No
		CO4	80	2	No
		CO5	80	1	No
XUM106	Human Ethics, Values, Rights and Gender Equality	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	2	No
		CO4	80	2	Yes
		CO5	80	2	No
XSL201	ENGLISH FOR EFFECTIVE COMMUNICATION	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes

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### Course Outcome Attainment

Programme: 152

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Section: C

Course Code	Course Name	CO	Target %	Level	Attained
XES202	ENVIRONMENTAL STUDIES	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
XCA203	OBJECT ORIENTED PROGRAMMING WITH C++	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
XCA204	DISCRETE MATHEMATICS	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
XCA205	COMPUTER NETWORKS	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
XCA206	DATA STRUCTURES AND ALGORITHMS	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
XCA301	HTML and DHTML	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes

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**Course Outcome Attainment**

**Programme:** 152 **Academic Year:** 2022-2023  
**Batch:** 2020-2023 **Section:** C

Course Code	Course Name	CO	Target %	Level	Attained
XCA302	Database Management Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA303	Visual Programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA304	Statistical and Numerical Methods	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XUM306	Disaster Management	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA307	Minor Course - Web Technology - 1 Credit	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA401	DATA ANALYTICS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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### Course Outcome Attainment

Programme: 152

Academic Year: 2022-2023

Batch: 2020-2023

Section: C

Course Code	Course Name	CO	Target %	Level	Attained
XCA402	Java Programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA403	RESOURCE MANAGEMENT TECHNIQUES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA404	OPERATING SYSTEMS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA405	SOFTWARE TESTING TOOLS AND PRACTICES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA501	XML and Web Services	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA502A	Software Engineering	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	0	No
		CO4	60	2	No
		CO5	60	3	Yes

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### Course Outcome Attainment

Programme: 152 Academic Year: 2022-2023  
 Batch: 2020-2023 Section: C

Course Code	Course Name	CO	Target %	Level	Attained
XCA503A	Unix and Shell Programming	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	0	No
		CO4	60	0	No
		CO5	60	0	No
XCA504A	Enterprise Resource Planning	CO1	60	2	Nil
		CO2	60	2	No
		CO3	60	0	No
		CO4	60	0	No
		CO5	60	0	No
XCA505	Minor Course - Android App Development - Mobile Technology - 1 Credit	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA506	Inplant Training	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA601	Introduction to Graphics Design	CO1	60	3	Yes
		CO2	60	1	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XCA602A	Net Technologies	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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### Course Outcome Attainment

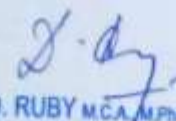
Programme: 152

Academic Year: 2022-2023

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Section: C

Course Code	Course Name	CO	Target %	Level	Attained
XCA603A	Mobile Computing	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCA604	Project Work	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

  
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Overall PO Attainment Report

Programme: 152 Academic Year: 2022-2023  
 Batch: 2020-2023 Section: C

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PS01	PS02
1	XGL101	1.4	1.4	3	1.6	0.6	0	0	2.6	2.6
2	XCA103	2.6	2	2	1	1	1	1	1.4	1
3	XCA104	2.6	0.9	0	0	0.9	0	0.9	0	0
4	XCA105	1.7	1.6	1.2	1.2	1.2	0.8	0.8	1.2	1.2
5	XUM106	0	0	0	0	0.8	1.7	0.3	0	0
6	XGL201	1.4	0	0	0	0	0	1.2	0	0
7	XES202	0.4	0	2.4	0.2	0	2.8	1.8	0	0
8	XCA203	2.6	2.6	2	2	2	1	2	2.6	2.6
9	XCA204	3	0.6	0	0.2	1	0	1	0	0
10	XCA205	2.8	2.6	2	2	2	1	1	3	2
11	XGA206	3	2.6	2	2	2	1	2	3	2.6
12	XCA301	2.6	2.6	2	2	2	1	2	2.6	3
13	XCA302	3	2.6	2	2	2	1	2	3	3

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**Overall PO Attainment Report**

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29	XCA601	2.2	2.1	1.6	1.6	1.6	0.8	1.6	2.1	2.1
30	XCA602A	3	2.6	2	2	2	1	2	3	3
31	XCA603A	2.6	2	2	2	1	1	2	2	2.6
32	XCA604	3	3	2	2	2	2	2	3	3

Average Attained	2.3	1.9	1.5	1.4	1.5	1.1	1.6	1.8	1.8
Direct Attainment(80%)	2.7	2.9	2.6	2.6	2.6	2.8	2.8	2.7	2.7

Prog. Exit Survey(10%)	3	3	3	3	3	3	3	3	3
Alumni Survey(10%)	3	3	3	3	3	3	3	3	3

Overall Attainment	2.8	2.9	2.7	2.7	2.7	2.8	2.8	2.8	2.8
Attained	No	No	No	No	No	No	No	No	No

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Programme Articulation Matrix

Programme: 152  
Batch: 2020-2023  
Academic Year: 2022-2023

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
1	XGL101.1	2	1	3	1	0	0	0	2	3
2	XGL101.2	1	2	3	1	1	0	0	3	2
3	XGL101.3	1	2	3	1	1	0	0	2	3
4	XGL101.4	3	2	3	3	1	0	0	3	3
5	XGL101.5	0	0	3	2	0	0	0	3	2
6	XCA103.1	3	2	2	1	1	1	1	2	1
7	XCA103.2	3	2	2	1	1	1	1	2	1
8	XCA103.3	3	2	2	1	1	1	1	1	1
9	XCA103.4	3	2	2	1	1	1	1	1	1
10	XCA103.5	2	2	2	1	1	1	1	1	1
11	XCA104.1	3	1	0	0	1	0	1	0	0
12	XCA104.2	3	1	0	0	1	0	1	0	0
13	XCA104.3	3	1	0	0	1	0	1	0	0

*S. S.*  
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Dean /<sub>2</sub> ECSE

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Dean Academic (TLE)

Programme Articulation Matrix

Programme: 152      Academic Year: 2022-2023

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14	XCA104.4	3	1	0	0	1	0	1	0	0	0
15	XCA104.5	3	1	0	0	1	0	1	0	0	0
16	XCA105.1	3	3	2	2	2	1	1	2	2	2
17	XCA105.2	3	3	2	2	2	1	1	2	2	2
18	XCA105.3	3	3	2	2	2	1	1	2	2	2
19	XCA105.4	3	2	2	2	2	1	1	2	2	2
20	XCA105.5	2	2	2	2	2	1	1	2	2	2
21	XUM106.1	0	0	0	0	2	2	1	0	0	0
22	XUM106.2	0	0	0	0	2	2	0	0	0	0
23	XUM106.3	0	0	0	0	0	2	0	0	0	0
24	XUM106.4	0	0	0	0	0	2	1	0	0	0
25	XUM106.5	0	0	0	0	0	3	0	0	0	0
26	XGL201.1	2	0	0	0	0	0	2	0	0	0
27	XGL201.2	2	0	0	0	0	0	2	0	0	0
28	XGL201.3	1	0	0	0	0	0	1	0	0	0

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M. Sainib Prof  
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Programme Articulation Matrix

Programme: 152  
Batch: 2020-2023  
Academic Year: 2022-2023

44	XCA204.4	3	0	0	0	0	0	1	0	1	0	0	0
45	XCA204.5	3	1	0	0	1	0	1	0	1	0	0	0
46	XCA205.1	3	3	2	2	2	1	1	1	3	2		
47	XCA205.2	3	3	2	2	2	1	1	1	3	2		
48	XCA205.3	3	3	2	2	2	1	1	1	3	2		
49	XCA205.4	3	2	2	2	2	1	1	1	3	2		
50	XCA205.5	2	2	2	2	2	1	1	1	3	2		
51	XCA206.1	3	3	2	2	2	1	2	2	3	3		
52	XCA206.2	3	3	2	2	2	1	2	2	3	3		
53	XCA206.3	3	2	2	2	2	1	2	2	3	3		
54	XCA206.4	3	3	2	2	2	1	2	2	3	2		
55	XCA206.5	3	2	2	2	2	1	2	2	3	2		
56	XCA301.1	3	3	2	2	2	1	2	2	3	3		
57	XCA301.2	3	3	2	2	2	1	2	2	3	3		
58	XCA301.3	3	2	2	2	2	1	2	2	3	3		

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Dean Academic (TLE)



Programme Articulation Matrix

Programme: 152 Academic Year: 2022-2023

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59	XCA301.4	2	3	2	2	2	2	1	2	2	3
60	XCA301.5	3	2	2	2	2	2	1	2	2	3
61	XCA302.1	3	3	2	2	2	2	1	2	3	3
62	XCA302.2	3	3	2	2	2	2	1	2	3	3
63	XCA302.3	3	2	2	2	2	2	1	2	3	3
64	XCA302.4	3	3	2	2	2	2	1	2	3	3
65	XCA302.5	3	2	2	2	2	2	1	2	3	3
66	XCA303.1	3	3	2	2	2	2	1	2	3	3
67	XCA303.2	3	3	2	2	2	2	1	2	3	3
68	XCA303.3	3	3	2	2	2	2	1	2	3	3
69	XCA303.4	3	3	2	2	2	2	1	2	3	3
70	XCA303.5	3	3	2	2	2	2	1	2	3	3
71	XCA304.1	3	1	0	0	1	0	0	1	0	0
72	XCA304.2	3	1	0	0	1	0	0	1	0	0
73	XCA304.3	3	1	0	0	1	0	0	1	0	0

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Dean Academic (TLE)

Programme Articulation Matrix

Programme: 152      Academic Year: 2022-2023

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74	XCA304.4	3	1	0	0	1	0	1	0	1	0	0
75	XCA304.5	3	1	0	0	1	0	1	0	1	0	0
76	XUM306.1	0	0	0	0	2	2	3	0	0	0	0
77	XUM306.2	0	0	0	0	2	2	3	0	0	0	0
78	XUM306.3	0	0	0	0	2	2	3	0	0	0	0
79	XUM306.4	0	0	0	0	2	2	3	0	0	0	0
80	XUM306.5	0	0	0	0	2	2	3	0	0	0	0
81	XCA307.1	3	3	3	3	3	3	3	3	3	3	3
82	XCA307.2	3	3	3	3	3	3	3	3	3	3	3
83	XCA307.3	3	3	3	3	3	3	3	3	3	3	3
84	XCA307.4	3	3	3	3	3	3	3	3	3	3	3
85	XCA307.5	3	3	3	3	3	3	3	3	3	3	3
86	XCA401.1	3	3	2	2	2	1	2	3	3	3	3
87	XCA401.2	3	3	2	2	2	1	2	3	3	3	3
88	XCA401.3	3	2	2	2	2	1	2	3	3	3	3

*J. D. J.*  
HOD  
M. Hanifa Pappan  
Dean i/c / FCSE

*J. D. J.*  
Page 011  
Dean Academic (TUE)

Programme Articulation Matrix

Programme: 152 Academic Year: 2022-2023

Batch: 2020-2023

89	XCA401.4	3	3	2	2	2	1	2	2	2
90	XCA401.5	3	2	2	2	2	1	2	2	2
91	XCA402.1	3	3	3	3	3	1	2	3	3
92	XCA402.2	3	3	2	2	2	1	2	3	3
93	XCA402.3	3	3	2	2	2	1	2	3	3
94	XCA402.4	3	3	2	2	2	1	2	2	3
95	XCA402.5	3	3	2	2	2	1	2	2	3
96	XCA403.1	3	1	0	0	1	0	1	0	0
97	XCA403.2	3	1	0	0	1	0	1	0	0
98	XCA403.3	3	1	0	0	1	0	1	0	0
99	XCA403.4	3	1	0	0	1	0	1	0	0
100	XCA403.5	3	1	0	0	1	0	1	0	0
101	XCA404.1	3	3	2	2	2	1	2	3	3
102	XCA404.2	3	3	2	2	2	1	2	3	3
103	XCA404.3	3	2	2	2	2	1	2	3	3

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Dean i/c / FCSE

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Dean Academic (TLE)



Programme Articulation Matrix

Programme: 152      2020-2023      Academic Year: 2022-2023

Batch: 2020-2023

104	XCA404.4	2	3	2	2	2	2	1	2	2	2	2
105	XCA404.5	3	2	2	2	2	2	1	2	2	2	2
106	XCA405.1	3	3	3	3	3	3	3	3	3	3	3
107	XCA405.2	3	3	3	3	3	3	3	3	3	3	3
108	XCA405.3	3	3	3	3	3	3	3	3	3	3	3
109	XCA405.4	3	3	3	3	3	3	3	3	3	3	3
110	XCA405.5	3	3	3	3	3	3	3	3	3	3	3
111	XCA501.1	3	1	1	2	1	1	1	1	1	1	2
112	XCA501.2	3	1	1	2	1	1	1	1	2	2	3
113	XCA501.3	3	1	1	3	1	1	1	2	1	1	2
114	XCA501.4	3	2	3	3	1	1	1	2	2	2	3
115	XCA501.5	3	3	3	3	1	1	1	2	2	2	3
116	XCA502A.1	3	3	2	2	2	2	1	1	3	2	2
117	XCA502A.2	3	3	2	2	2	2	1	1	3	2	2
118	XCA502A.3	3	3	2	2	2	2	1	1	3	2	2

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Dean Academic (TLE)

Programme Articulation Matrix

Programme: 152      2020-2023      Academic Year: 2022-2023

Batch: 2020-2023

119	XCA502A.4	3	2	2	2	2	2	1	1	3	2
120	XCA502A.5	2	2	2	2	2	2	1	1	3	2
121	XCA503A.1	3	3	2	2	2	2	1	2	3	3
122	XCA503A.2	3	3	2	2	2	2	1	2	3	3
123	XCA503A.3	3	2	2	2	2	2	1	2	3	3
124	XCA503A.4	2	3	2	2	2	2	1	2	2	2
125	XCA503A.5	3	2	2	2	2	2	1	2	2	2
126	XCA504A.1	3	3	2	2	2	2	1	1	2	2
127	XCA504A.2	3	3	2	2	2	2	1	1	2	2
128	XCA504A.3	3	3	2	2	2	2	1	1	2	2
129	XCA504A.4	3	2	2	2	2	2	1	1	2	2
130	XCA504A.5	2	2	2	2	2	2	1	1	2	2
131	XCA505.1	3	3	3	3	3	3	3	3	3	3
132	XCA505.2	3	3	3	3	3	3	3	3	3	3
133	XCA505.3	3	3	2	2	2	2	2	2	3	3

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Dean Academic (U.C)

Programme Articulation Matrix

Programme: 152      2020-2023      Academic Year: 2022-2023

Batch: 2020-2023

134	XCA505.4	3	3	2	2	2	2	2	2	3	3
135	XCA505.5	3	3	2	2	2	2	2	2	3	3
136	XCA506.1	3	3	2	2	2	2	2	2	3	3
137	XCA506.2	3	3	2	2	2	2	2	2	3	3
138	XCA506.3	3	3	2	2	2	2	2	2	3	3
139	XCA506.4	3	3	2	2	2	2	2	2	3	3
140	XCA506.5	3	3	2	2	2	2	2	2	3	3
141	XCA601.1	3	3	2	2	2	2	1	2	3	3
142	XCA601.2	3	3	2	2	2	2	1	2	3	3
143	XCA601.3	3	2	2	2	2	2	1	2	3	3
144	XCA601.4	2	3	2	2	2	2	1	2	2	2
145	XCA601.5	3	2	2	2	2	2	1	2	2	2
146	XCA602A.1	3	3	2	2	2	2	1	2	3	3
147	XCA602A.2	3	3	2	2	2	2	1	2	3	3
148	XCA602A.3	3	2	2	2	2	2	1	2	3	3

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Dean i/c / FCSE

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Dean Academic (TLE)

Programme Articulation Matrix

Programme: 152 Academic Year: 2022-2023

Batch: 2020-2023

149	XCA602A.4	3	3	2	2	2	2	1	2	3	3
150	XCA602A.5	3	2	2	2	2	2	1	2	3	3
151	XCA603A.1	3	2	2	2	2	1	1	2	2	2
152	XCA603A.2	3	2	2	2	2	1	1	2	2	3
153	XCA603A.3	3	2	2	2	2	1	1	2	2	3
154	XCA603A.4	2	2	2	2	2	1	1	2	2	3
155	XCA603A.5	2	2	2	2	2	1	1	2	2	2
156	XCA604.1	3	3	2	2	2	2	2	2	3	3
157	XCA604.2	3	3	2	2	2	2	2	2	3	3
158	XCA604.3	3	3	2	2	2	2	2	2	3	3
159	XCA604.4	3	3	2	2	2	2	2	2	3	3
160	XCA604.5	3	3	2	2	2	2	2	2	3	3
Average		2.6	2	1.7	1.6	1.7	1.2	1.7	2	2	2

*M. Saini Prof.*  
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*[Signature]*  
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Villupuram - 613 403.

### Course Outcome Attainment

Programme: 453

AcademicYear: 2022-2023

Batch: 2021-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YCA101	Database Management Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA102	Computer Networks	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA103	Object Oriented Programming, Analysis and Design	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA104	Management Support Systems	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA105	Mathematical Foundation for Computer Applications	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA106	Database Management Systems Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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M. Shanika P.P.  
DEAN / PCSE  
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DEAN ACADEMIC (CLE)



### Course Outcome Attainment

Programme: 453

Academic Year: 2022-2023

Batch: 2021-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YCA107	Mathematical Foundation for Computer Applications Lab using Java	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA201	Advanced Operating System Concepts	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA202	Software Engineering	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA203	Advanced Data Structures	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	2	No
YCA205	Advanced Operating System Concepts Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA206	Case Tools Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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*M. Saranya Devi*  
DEAN / FCSE  
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*J. Dey*  
DEAN ACADEMIC (PLG)

### Course Outcome Attainment

Programme: 453

Academic Year: 2022-2023

Batch: 2021-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YCA301	Artificial Intelligence and Machine Learning	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	1	No
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA302	Graphics and Multimedia	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	1	No
YCA303	Optimization Techniques	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA304	Artificial Intelligence and Machine Learning Lab using Python	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA305	Optimization Techniques Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA306	Industrial Lectures	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

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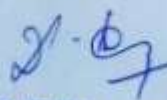
M. Samita Ref-  
DEAN CCE / ACSE

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DEAN ACADEMIC (PL)

### Course Outcome Attainment

Programme: 453 Academic Year: 2022-2023  
 Batch: 2021-2023 Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YCA307	Mini Project	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA401	Research Methodology	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCA402	Project Work	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCABM2	Corporate Planning	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YCAEE6	Image Processing	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	1	No
		CO5	60	3	Yes

  
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 Dean  
 Faculty of Designing Studies and Engineering  
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**Dean Academic,**  
 Periyar Maniammai  
 Institute of Science & Technology  
 (PMIST), Periyar Nagar, Vallam,  
 Thanjavur-613 403, Tamil Nadu.

**Programme Articulation Matrix**

Programme: 453

Academic Year: 2022-2023

Batch: 2021-2023

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
1	YCA101.1	3	3	3	3	3	3	2	2	3	3
2	YCA101.2	3	3	3	2	2	2	2	2	3	3
3	YCA101.3	3	2	2	2	2	2	2	2	3	3
4	YCA101.4	2	3	2	2	2	2	2	2	2	2
5	YCA101.5	3	2	2	2	2	2	2	2	2	2
6	YCA102.1	3	3	2	2	2	1	2	2	3	3
7	YCA102.2	3	3	2	2	2	1	2	2	3	3
8	YCA102.3	3	2	2	2	2	1	2	2	3	3
9	YCA102.4	2	3	2	2	2	1	2	2	2	2
10	YCA102.5	3	2	2	2	2	1	2	2	2	2
11	YCA104.1	2	1	1	1	1	1	1	1	1	1
12	YCA104.2	2	1	1	1	1	1	1	1	1	1
13	YCA104.3	2	2	1	1	1	1	1	1	1	1

*S.D*  
M. Samiya, Prof.  
DEAN, ICSE

DEAN ACADEMIC (CLE)

Programme Articulation Matrix

Programme: 453 Academic Year: 2022-2023

Batch: 2021-2023

14	YCA104.4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	YCA104.5	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	YCA105.1	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	YCA105.2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	YCA105.3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	YCA105.4	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	YCA105.5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	YCA106.1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	YCA106.2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	YCA106.3	2	1	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
24	YCA106.4	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
25	YCA106.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	YCA107.1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	YCA107.2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	YCA107.3	2	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2

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DEAN, ICSE

DEAN ACADEMIC (CTLE)

Programme Articulation Matrix

Programme: 453

Academic Year: 2022-2023

Batch: 2021-2023

29	YCA107.4	2	2	1	1	2	1	1	1	2	2	2	2
30	YCA107.5	1	1	1	1	1	1	1	1	1	1	2	2
31	YCA201.1	3	3	2	2	2	1	2	2	2	2	3	3
32	YCA201.2	3	3	2	2	2	1	2	2	2	2	3	3
33	YCA201.3	3	2	2	2	2	1	2	2	2	2	3	3
34	YCA201.4	2	3	2	2	2	1	2	2	2	2	2	2
35	YCA201.5	3	2	2	2	2	1	2	2	2	2	2	2
36	YCA202.1	3	3	3	2	2	1	1	1	1	1	2	2
37	YCA202.2	3	3	3	2	2	1	1	1	1	1	2	2
38	YCA202.3	3	3	3	2	2	1	1	1	1	1	2	2
39	YCA202.4	3	3	3	2	2	1	1	1	1	1	2	2
40	YCA202.5	2	2	2	2	2	1	1	1	1	1	2	2
41	YCA203.1	3	3	2	2	2	1	2	2	2	2	3	3
42	YCA203.2	3	3	2	2	2	1	2	2	2	2	3	3
43	YCA203.3	3	2	2	2	2	1	2	2	2	2	3	3

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DEAN ACADEMICALS

Programme Articulation Matrix

Programme: 453 Academic Year: 2022-2023

Batch: 2021-2023

44	YCA203.4	3	3	2	2	2	2	1	2	2	3	2
45	YCA203.5	3	2	2	2	2	2	1	2	2	3	2
46	YCA206.1	3	3	2	2	2	2	1	1	1	2	2
47	YCA206.2	3	3	2	2	2	2	1	1	1	2	2
48	YCA206.3	3	3	2	2	2	2	1	1	1	2	2
49	YCA206.4	3	2	2	2	2	2	1	1	1	2	2
50	YCA206.5	2	2	2	2	2	2	1	1	1	2	2
51	YCA301.1	3	3	2	2	2	2	1	2	2	3	3
52	YCA301.2	3	3	2	2	2	2	1	2	2	3	3
53	YCA301.3	3	2	2	2	2	2	1	2	2	3	3
54	YCA301.4	2	3	2	2	2	2	1	2	2	2	2
55	YCA301.5	3	2	2	2	2	2	1	2	2	2	2
56	YCA302.1	3	3	3	3	3	3	1	2	2	3	3
57	YCA302.2	3	3	2	2	2	2	1	2	2	3	3
58	YCA302.3	3	3	2	2	2	2	1	2	2	3	3

*S.D.P.*  
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M. Samiya Ref.  
DEAN (I) / FCSB

DEAN ACADEMIC (TLE)

Programme Articulation Matrix

Programme: 453

Academic Year: 2022-2023

Batch: 2021-2023

59	YCA302.4	3	3	2	2	2	2	2	1	2	2	2	2
60	YCA302.5	3	2	2	2	2	2	2	1	2	2	2	2
61	YCA303.1	2	3	2	2	2	2	2	1	1	1	2	2
62	YCA303.2	3	3	2	2	2	2	2	1	1	1	2	2
63	YCA303.3	3	3	2	2	2	2	2	1	1	1	2	2
64	YCA303.4	2	2	2	2	2	2	2	1	1	1	2	2
65	YCA303.5	3	2	2	2	2	2	2	1	1	1	2	2
66	YCA304.1	2	1	1	1	1	1	1	1	1	1	2	2
67	YCA304.2	2	1	1	1	1	1	1	1	1	1	2	2
68	YCA304.3	2	1	2	1	1	1	2	2	1	2	2	2
69	YCA304.4	2	2	1	1	2	1	2	1	1	2	2	2
70	YCA304.5	1	1	1	1	1	1	1	1	1	1	2	2
71	YCA305.1	2	1	1	1	1	1	1	1	1	1	2	2
72	YCA305.2	2	1	1	1	1	1	1	1	1	1	2	2
73	YCA305.3	2	1	2	1	1	1	2	2	1	2	2	2

*S.D.*  
HOD

*M. Ravindra Reddy*  
DEAN (IC / FCSE)

*Jean*  
DEAN ACADEMIC (TLE)



Programme Articulation Matrix

Academic Year: 2022-2023

Programme: 453

Batch: 2021-2023

74	YCA305.4	2	2	1	1	2	1	1	2	2	2	2
75	YCA305.5	1	1	1	1	1	1	1	1	2	2	2
76	YCA306.1	2	2	2	2	2	2	2	2	3	3	3
77	YCA306.2	2	2	2	2	2	2	2	2	3	3	3
78	YCA306.3	2	2	2	2	2	2	2	2	3	3	3
79	YCA306.4	2	2	2	2	2	2	2	2	3	3	3
80	YCA306.5	2	2	2	2	2	2	2	2	3	3	3
81	YCA307.1	2	2	2	2	2	2	2	2	3	3	3
82	YCA307.2	2	2	2	2	2	2	2	2	3	3	3
83	YCA307.3	2	2	0	2	2	2	2	2	3	3	3
84	YCA307.4	2	2	2	2	2	2	2	2	3	3	3
85	YCA307.5	2	2	2	2	2	2	2	2	3	3	3
86	YCA401.1	2	2	2	2	2	2	2	2	3	3	3
87	YCA401.2	2	2	2	2	2	2	2	2	3	3	3
88	YCA401.3	2	2	2	2	2	2	2	2	3	3	3

M. Santhi, Prof.  
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**Programme Articulation Matrix**

Programme: **453** Academic Year: **2022-2023**

Batch: **2021-2023**

104	YCAEE6.4	3	2	2	2	2	2	1	1	1	2	2
105	YCAEE6.5	2	2	2	2	2	2	1	1	1	2	2
Average		2.3	2.1	1.9	1.7	1.7	1.7	1.3	1.5	1.6	2.3	2.3



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Overall PO Attainment Report

Programme: 453

Academic Year: 2022-2023

Batch: 2021-2023

Section: A

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
1	YCA101	2.8	2.6	2.4	2.2	2.2	2.2	2	2	2.6	2.6
2	YCA102	2.8	2.6	2	2	2	1	2	2	2.6	2.6
3	YCA104	1.8	1.6	1	1	1	1	1	1	1	1
4	YCA105	2.4	2	2	1.6	2	2	2	2	2	2
5	YCA106	1.8	1.2	1.2	1	1.2	1.2	1.2	1.2	2	2
6	YCA107	1.8	1.2	1.2	1	1.2	1.2	1.2	1.2	2	2
7	YCA201	2.8	2.6	2	2	2	1	2	2	2.6	2.6
8	YCA202	2.8	2.8	2.8	2	2	1	1	1	2	2
9	YCA203	2.6	2.3	1.7	1.7	1.7	0.9	1.7	1.7	2.6	2.3
10	YCA206	2.8	2.6	2	2	2	1	1	1	2	2
11	YCA301	2.2	2.1	1.6	1.6	1.6	0.8	1.6	1.6	2	2
12	YCA302	2.6	2.5	1.9	1.9	1.9	0.9	1.7	1.7	2.3	2.3
13	YCA303	2.6	2.6	2	2	2	1	1	1	2	2

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M. Sankar Baf.  
DEAN / FCSE  
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DEAN ACADEMIC (TLE)

Overall PO Attainment Report

Programme: 453 Academic Year: 2022-2023

Batch:	2021-2023										
	Section: A										
14	YCA304	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2	2
15	YCA305	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2	2
16	YCA306	2	2	2	2	2	2	2	2	3	3
17	YCA307	2	2	1.6	2	2	2	2	2	3	3
18	YCA401	2	2	2	2	2	2	2	2	3	3
19	YCA402	2	2	2	2	2	2	2	2	3	3
20	YCA5M2	1.4	2.2	2.4	1	0.4	0	0	2.4	1.4	1
21	YCAEEB	2.2	2.1	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6

Average Attained	2.2	2.1	1.8	1.6	1.7	1.3	1.5	1.6	2.2	2.2
Direct Attainment(80%)	2.9	3	2.8	2.8	3	3	3	3	2.9	2.9

Prog. Exit Survey(10%)	3	3	3	3	3	3	3	3	3	3
Alumni Survey(10%)	3	3	3	3	3	3	3	3	3	3

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Prof. M. Sanku Baf.  
DEAN/FCSE

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**Overall PO Attainment Report**

Programme: 453      Academic Year: 2022-2023  
 Batch: 2021-2023      Section: A

Overall Attainment	2.9	3	2.8	3	3	3	3	2.9	2.9
Attained	No	Yes	No	Yes	Yes	Yes	Yes	No	No

*[Signature]*  
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