

# DEPARTMENT OF MATHEMATICS

<b>Programme Code</b>	<b>Programme Name</b>
<b>164</b>	<b>B.Sc Mathematics</b>
<b>359</b>	<b>M.Sc Mathematics</b>

**Course Outcome Attainment**

Programme: 164 Academic Year: 2023-2024  
 Batch: 2021-2024 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
XGL302A	Ariyal Tamil	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPO103	Fundamental Physics	CO1	50	3	Yes
		CO2	50	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT104	Foundation Course in Mathematics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT105	Differential Calculus & Integral Calculus	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XIAM106	Human Ethics, Values, Rights and Gender Equality	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: 164

Academic Year: 2023-2024

Batch: 2021-2024

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XPG107	Fundamental Physics Lab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
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
XES202	ENVIRONMENTAL STUDIES	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPG203	MODERN PHYSICS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT204	DIFFERENTIAL EQUATIONS AND LAPLACE TRANSFORMS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT205	SEQUENCES AND SERIES	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: 164

Academic Year: 2023-2024

Batch: 2021-2024

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XPG205	MODERN PHYSICS LAB	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT301	Logic and Sets	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT302	Programming in C	CO1	60	3	Yes
		CO2	60	0	No
		CO3	60	2	No
		CO4	60	3	Yes
		CO5	60	0	No
XMT303	Real Analysis	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT304	Analytical Geometry 3D	CO1	60	3	Yes
		CO2	60	1	Yes
		CO3	60	2	No
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT305	Programming in C - Practical	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: 164

Academic Year: 2023-2024

Batch: 2021-2024

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XUM306	Disaster Management	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	0	No
XMT401	Theory of Equations	CO1	60	3	Yes
		CO2	60	0	No
		CO3	60	3	Yes
		CO4	60	0	No
		CO5	60	0	No
XMT402	Introduction to MatLab	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XMT403	Vector Calculus and Fourier Series	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XMT404	Algebra	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT405	Introduction to MatLab-Practical	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: 164

Academic Year: 2023-2024

Batch: 2021-2024

Section: A

Course Code	Course Name	CO	Target %	Level	Attainment
XMTS01	Probability and Statistics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XMTS02A	Matrices	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	1	No
		CO4	60	3	Yes
		CO5	60	2	No
XMTS03A	Numerical Methods	CO1	60	2	No
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No
XMTS04A	Linear Algebra	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	3	Yes
		CO5	60	2	No
XMT601	Graph Theory	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT602A	Complex Analysis	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	2	No

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### Course Outcome Attainment

Programme: 164 Academic Year: 2023-2024  
 Batch: 2021-2024 Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XMT603A	Linear Programming	CO1	60	3	Yes
		CO2	30	2	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XMT604	Project	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: 164      Academic Year: 2023-2024  
 Batch: 2021-2024      Section: A

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
1	XGL101	1.4	0	0	0	0	0	1.2	0	0.8
2	XGL102A	3	2	1	1	1	1	1	0	1
3	XPG103	3	2	1	1	1	1	1	0	1
4	XMT104	3	2	1	1	1	1	1	0	1
5	XMT105	3	2	0	1	0.6	0	1	1	1
6	XUM106	3	1.2	0	0.8	1.2	1	1.8	0	0
7	XPG107	1.4	2.2	1.6	0.2	1.6	1.8	1.4	1.4	0
8	XGL201	1.4	0	0	0	0	0	1.2	0	0.8
9	XES202	2	0.6	1.2	0	0	2.2	0.8	0.6	0
10	XPG203	3	1	0	0	0	1	0.6	1	0
11	XMT204	3	2	0	1	0.6	0	1	1	1
12	XMT205	3	2	1	1	1	1	1	0	1
13	XPG206	1.4	2.2	1.6	0.2	1.6	1.8	1.4	1.4	0

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**Overall PO Attainment Report**

Programme: 164      AcademicYear: 2023-2024

Batch:	2021-2024											Section: A			
	14	15	16	17	18	19	20	21	22	23	24	25			
XMT301	3	2	1	1	1	1	1	1	1	1	1	0	1	0	1
XMT302	1.6	1.1	0	0.5	0.4	0	0.5	0.4	0	0.5	0.5	0.5	0.5	0.5	0.5
XMT303	3	2	0	1	0.6	0	1	0.6	0	1	1	1	1	1	1
XMT304	2.8	1.9	0	0.9	0.6	0	0.9	0.6	0	0.9	0.9	0.9	0.9	0.9	0.9
XMT305	3	2	0	1	0.6	0	1	0.6	0	1	1	1	1	1	1
XUM306	0.3	0.3	1.1	0.7	1.3	1	0.9	1.5	0.9	1.5	0.9	0.9	0.9	0.9	0.9
XMT402	2.8	1.9	0	0.9	0.5	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
XMT403	2.6	1.7	0	0.9	0.5	0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
XMT404	3	2	0	1	0.6	0	1	0.6	0	1	1	1	1	1	1
XMT405	3	2	0	1	0.4	0	1	0.4	0	1	1	1	1	1	1
XMT601	2.8	1.9	0	0.9	0.6	0	0.9	0.6	0	0.9	0.9	0.9	0.9	0.9	0.9
XMT604	3	2	0	1	0.6	0	1	0.6	0	1	1	1	1	1	1

AverageAttained	2.5	1.6	0.4	0.7	0.7	0.6	1	0.7	0.7	0.7	0.7
Attainment Percentage	96%	94%	100%	88%	110%	100%	91%	100%	100%	100%	88%

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Overall PO Attainment Report

Programme: 164 Academic Year: 2023-2024

Batch: 2021-2024 Section: A

Direct Attainment(80%)	3	3	3	3	3	3	3	3	3
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Programme Exit Survey(10%)	2.7	2.5	2.7	2.8	2.6	2.6	2.7	2.4	2.7
Alumni Survey(10%)	2.7	2.7	2.6	2.6	2.7	2.7	2.5	2.7	2.7

Overall Attainment	2.94	2.9	2.93	2.94	2.93	2.93	2.92	2.91	2.94
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Programme Articulation Matrix

Programme: 164 Academic Year: 2023-2024  
 Batch: 2021-2024

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
1	XGL101.1	2	0	0	0	0	0	2	0	1
2	XGL101.2	2	0	0	0	0	0	2	0	1
3	XGL101.3	1	0	0	0	0	0	1	0	1
4	XGL101.4	2	0	0	0	0	0	1	0	1
5	XGL101.5	0	0	0	0	0	0	0	0	0
6	XGL102A.1	3	2	1	1	1	1	1	0	1
7	XGL102A.2	3	2	1	1	1	1	1	0	1
8	XGL102A.3	3	2	1	1	1	1	1	0	1
9	XGL102A.4	3	2	1	1	1	1	1	0	1
10	XGL102A.5	3	2	1	1	1	1	1	0	1
11	XPG103.1	3	2	1	1	1	1	1	0	1
12	XPG103.2	3	2	1	1	1	1	1	0	1
13	XPG103.3	3	2	1	1	1	1	1	0	1

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**Programme Articulation Matrix**

Programme: 164 Academic Year: 2023-2024

Batch: 2021-2024

14	XPG103.4	3	2	1	1	1	1	1	1	0	1
15	XPG103.5	3	2	1	1	1	1	1	1	0	1
16	XMT104.1	3	2	1	1	1	1	1	1	0	1
17	XMT104.2	3	2	1	1	1	1	1	1	0	1
18	XMT104.3	3	2	1	1	1	1	1	1	0	1
19	XMT104.4	3	2	1	1	1	1	1	1	0	1
20	XMT104.5	3	2	1	1	1	1	1	1	0	1
21	XMT105.1	3	2	0	1	1	0	1	1	1	1
22	XMT105.2	3	2	0	1	0	0	1	1	1	1
23	XMT105.3	3	2	0	1	0	0	1	1	1	1
24	XMT105.4	3	2	0	1	1	0	1	1	1	1
25	XMT105.5	3	2	0	1	1	0	1	1	1	1
26	XUM106.1	3	0	0	0	0	1	0	0	0	0
27	XUM106.2	3	2	0	2	0	1	3	0	0	0
28	XUM106.3	3	1	0	0	2	1	2	0	0	0

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Programme Articulation Matrix

Programme: 164 Academic Year: 2023-2024

Batch: 2021-2024

29	XUM106.4	3	0	0	0	2	1	2	0	0
30	XUM106.5	3	3	0	2	2	1	2	0	0
31	XPG107.1	1	1	1	0	2	1	1	1	0
32	XPG107.2	2	3	2	1	2	2	1	2	0
33	XPG107.3	1	3	2	0	1	2	2	2	0
34	XPG107.4	1	1	2	0	1	2	1	1	0
35	XPG107.5	2	3	1	0	2	2	2	1	0
36	XGL201.1	2	0	0	0	0	0	2	0	1
37	XGL201.2	2	0	0	0	0	0	2	0	1
38	XGL201.3	1	0	0	0	0	0	1	0	1
39	XGL201.4	2	0	0	0	0	0	1	0	1
40	XGL201.5	0	0	0	0	0	0	0	0	0
41	XES202.1	3	0	0	0	0	0	0	0	0
42	XES202.2	2	0	0	0	0	2	1	0	0
43	XES202.3	2	1	3	0	0	3	1	0	0

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Programme Articulation Matrix

Academic Year: 2023-2024

Programme: 164

Batch: 2021-2024

44	XES202.4	1	1	1	2	0	0	0	3	2	3	0
45	XES202.5	2	1	1	1	0	0	3	0	0	0	0
46	XPG203.1	3	1	0	0	0	1	1	1	1	0	0
47	XPG203.2	3	1	0	0	0	1	0	1	0	1	0
48	XPG203.3	3	1	0	0	0	1	1	1	1	0	0
49	XPG203.4	3	1	0	0	0	1	0	1	0	1	0
50	XPG203.5	3	1	0	0	0	1	1	1	1	0	0
51	XMT204.1	3	2	0	1	1	0	1	1	1	1	1
52	XMT204.2	3	2	0	1	0	0	1	1	1	1	1
53	XMT204.3	3	2	0	1	0	0	1	1	1	1	1
54	XMT204.4	3	2	0	1	1	0	1	1	1	1	1
55	XMT204.5	3	2	0	1	1	0	1	1	1	1	1
56	XMT205.1	3	2	1	1	1	1	1	1	0	1	1
57	XMT205.2	3	2	1	1	1	1	1	1	0	1	1
58	XMT205.3	3	2	1	1	1	1	1	1	0	1	1

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Programme Articulation Matrix

Programme: 164 Academic Year: 2023-2024

Batch: 2021-2024

59	XMT205.4	3	2	1	1	1	1	1	1	0	1
60	XMT205.5	3	2	1	1	1	1	1	1	0	1
61	XPG206.1	1	1	1	0	2	1	1	1	1	0
62	XPG206.2	2	3	2	1	2	2	1	2	0	0
63	XPG206.3	1	3	2	0	1	2	2	2	0	0
64	XPG206.4	1	1	2	0	1	2	1	1	1	0
65	XPG206.5	2	3	1	0	2	2	2	2	1	0
66	XMT301.1	3	2	1	1	1	1	1	1	0	1
67	XMT301.2	3	2	1	1	1	1	1	1	0	1
68	XMT301.3	3	2	1	1	1	1	1	1	0	1
69	XMT301.4	3	2	1	1	1	1	1	1	0	1
70	XMT301.5	3	2	1	1	1	1	1	1	0	1
71	XMT302.1	3	2	0	1	1	1	0	1	1	1
72	XMT302.2	3	2	0	1	0	0	1	1	1	1
73	XMT302.3	3	2	0	1	0	0	1	1	1	1

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Thalavai-613421, Tamilnadu.

Programme Articulation Matrix

Programme: 164 Academic Year: 2023-2024

Batch: 2021-2024

74	XMT302.4	3	2	0	1	1	0	1	1	1	1
75	XMT302.5	3	2	0	1	1	0	1	1	1	1
76	XMT303.1	3	2	0	1	1	0	1	1	1	1
77	XMT303.2	3	2	0	1	0	0	1	1	1	1
78	XMT303.3	3	2	0	1	0	0	1	1	1	1
79	XMT303.4	3	2	0	1	1	0	1	1	1	1
80	XMT303.5	3	2	0	1	1	0	1	1	1	1
81	XMT304.1	3	2	0	1	1	0	1	1	1	1
82	XMT304.2	3	2	0	1	0	0	1	1	1	1
83	XMT304.3	3	2	0	1	0	0	1	1	1	1
84	XMT304.4	3	2	0	1	1	0	1	1	1	1
85	XMT304.5	3	2	0	1	1	0	1	1	1	1
86	XMT305.1	3	2	C	1	1	0	1	1	1	1
87	XMT305.2	3	2	0	1	0	0	1	1	1	1
88	XMT305.3	3	2	C	1	0	0	1	1	1	1

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**Programme Articulation Matrix**

Programme: 164      2021-2024      Academic Year: 2023-2024

Batch: 2021-2024

89	XMT305.4	3	2	0	1	1	0	1	1	1	1
90	XMT305.5	3	2	0	1	1	0	1	1	1	1
91	XUM306.1	0	0	2	1	1	2	2	3	2	2
92	XUM306.2	1	1	3	2	3	1	0	2	0	0
93	XUM306.3	0	0	0	0	2	1	2	2	2	2
94	XUM306.4	1	1	2	2	2	2	1	2	1	1
95	XUM306.5	2	3	0	2	3	2	0	1	1	1
96	XMT402.1	3	2	0	1	1	0	1	1	1	1
97	XMT402.2	3	2	0	1	0	0	1	1	1	1
98	XMT402.3	3	2	0	1	0	0	1	1	1	1
99	XMT402.4	3	2	0	1	1	0	1	1	1	1
100	XMT402.5	3	2	0	1	1	0	1	1	1	1
101	XMT403.1	3	2	0	1	1	0	1	1	1	1
102	XMT403.2	3	2	0	1	0	0	1	1	1	1
103	XMT403.3	3	2	0	1	0	0	1	1	1	1

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 Thanjavur-613 403, Tamilnadu.

Programme Articulation Matrix

Programme: 164 Academic Year: 2023-2024

Batch: 2021-2024

104	XMT403.4	3	2	0	1	1	0	1	1	1	1	1
105	XMT403.5	3	2	0	1	1	0	1	1	1	1	1
106	XMT404.1	3	2	0	1	1	0	1	1	1	1	1
107	XMT404.2	3	2	0	1	0	0	1	1	1	1	1
108	XMT404.3	3	2	0	1	0	0	1	1	1	1	1
109	XMT404.4	3	2	0	1	1	0	1	1	1	1	1
110	XMT404.5	3	2	0	1	1	0	1	1	1	1	1
111	XMT405.1	3	2	0	1	1	0	1	1	1	1	1
112	XMT405.2	3	2	0	1	0	0	1	1	1	1	1
113	XMT405.3	3	2	0	1	0	0	1	1	1	1	1
114	XMT405.4	3	2	0	1	0	0	1	1	1	1	1
115	XMT405.5	3	2	0	1	1	0	1	1	1	1	1
116	XMT601.1	3	2	0	1	1	0	1	1	1	1	1
117	XMT601.2	3	2	0	1	0	0	1	1	1	1	1
118	XMT601.3	3	2	0	1	0	0	1	1	1	1	1

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### Programme Articulation Matrix

Programme: 164 Academic Year: 2023-2024

Batch: 2021-2024

119	XMT601.4	3	2	0	1	1	0	1	1	1	1	1
120	XMT601.5	3	2	0	1	1	0	1	1	1	1	1
121	XMT604.1	3	2	0	1	1	0	1	1	1	1	1
122	XMT604.2	3	2	0	1	0	0	1	1	1	1	1
123	XMT604.3	3	2	0	1	0	0	1	1	1	1	1
124	XMT604.4	3	2	0	1	1	0	1	1	1	1	1
125	XMT604.5	3	2	0	1	1	0	1	1	1	1	1
Average		2.6	1.7	0.4	0.8	0.7	0.6	1.1	0.7	0.8	0.8	0.8

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**Course Outcome Attainment**

Programme: 359

Academic Year: 2022-2023

Batch: 2022-2024

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YMA101	Algebra-I	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA101	Fuzzy sets and Fuzzy logic	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA102	Real Analysis - I	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA103	Graph Theory	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA104	Ordinary Differential Equations	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	2	No
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA105	Optimization Techniques	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: 359 Academic Year: 2023-2024  
 Batch: 2022-2024 Section: A

Course Code	Course Name	CO	Weightage	Level	Attainment
YMA201	Algebra-II	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	0	No
		CO5	60	3	Yes
YMA2E2	Combinatorics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	1	No
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA202	Real Analysis - II	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA203	Partial differential Equations	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA204	Classical Dynamics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YMA205	Computer Programming(C++ Theory and 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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INSTITUTE OF SCIENCE & TECHNOLOGY

**Course Outcome Attainment**

Programme: 359

Academic Year: 2023-2024

Batch: 2022-2024

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YMA301	Topology	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
YMA302	Integral Equations, Calculus of Variations and Transforms	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
YMA303	Functional Analysis	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
YMA3E1	Data Analysis using SPSS	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
YMA304	Differential Geometry	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	3	Yes
		CO4	80	3	Yes
		CO5	80	3	Yes
YMA205	Complex Analysis	CO1	80	3	Yes
		CO2	80	3	Yes
		CO3	80	1	No
		CO4	80	2	No
		CO5	80	2	No

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### Course Outcome Attainment

Programme: 359 Academic Year: 2023-2024  
Batch: 2022-2024 Section: A

Course Code	Course Name	CO	Target %	Level	Attain
YMA401	Project	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: 359      Academic Year: 2023-2024  
Batch: 2022-2024      Section: A

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
1	YMA101	3	3	2.8	1.6	3	1	1	1	1
2	YMA102	3	3	2.6	1.8	3	1	0.8	1	1
3	YMA103	3	3	2.4	1.4	3	1	0.4	1	1
4	YMA104	2.8	2.8	2.8	2.1	2.8	0.9	1.1	0.9	0.9
5	YMA105	3	3	2.2	1.2	3	1	0.2	1	1
6	YMA201	2.4	2.4	1.8	1	2.4	0.8	0.2	0.8	0.8
7	YMA202	3	3	2.2	1.2	3	1	0.2	1	1
8	YMA203	3	3	2.8	2	3	1	1	1	1
9	YMA204	3	3	2	1	3	1	0	1	1
10	YMA205	3	3	2.2	1.2	3	1	0.2	1	1
11	YMA301	3	3	2.8	1.8	3	1	0.8	1	1
12	YMA302	3	3	3	2	3	1	1	1	1
13	YMA303	3	3	2	1	3	1	0	1	1

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**Overall PO Attainment Report**

Programme: 359 2022-2024 AcademicYear: 2023-2024

Batch:	2022-2024			2023-2024			Section:	A		
14	YMA304	3	3	2.4	1.4	3	1	0.4	1	1
15	YMA305	1.8	1.8	1.6	1.1	1.8	0.6	0.5	0.6	0.6
16	YMA401	1.2	1.2	0.6	1.4	0.4	0	0.8	0.8	0.6

AverageAttained	2.8	2.8	2.3	1.5	2.7	0.9	0.5	0.9	0.9
Attainment Percentage	97%	97%	96%	100%	96%	100%	83%	90%	90%
Direct Attainment(80%)	3	3	3	3	3	3	3	3	3

Programme Exit Survey(10%)	2.6	2.6	2.5	2.5	2.6	2.7	2.6	2.6	2.6
Alumni Survey(10%)	2.7	2.7	2.5	2.5	2.5	2.6	2.5	2.5	2.5

Overall Attainment	2.93	2.93	2.9	2.9	2.91	2.93	2.91	2.91	2.91
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Programme Articulation Matrix

Academic Year: 2023-2024

Programme: 359

Batch: 2022-2024

S.No.	Course Code	P01	P02	P03	P04	P05	P06	P07	P08	P09
1	YMA101.1	3	3	3	2	3	1	1	1	1
2	YMA101.2	3	3	2	1	3	1	0	1	1
3	YMA101.3	3	3	3	3	3	1	2	1	1
4	YMA101.4	3	3	3	1	3	1	1	1	1
5	YMA101.5	3	3	3	1	3	1	1	1	1
6	YMA102.1	3	3	2	1	3	1	0	1	1
7	YMA102.2	3	3	2	1	3	1	0	1	1
8	YMA102.3	3	3	3	2	3	1	1	1	1
9	YMA102.4	3	3	3	3	3	1	2	1	1
10	YMA102.5	3	3	3	2	3	1	1	1	1
11	YMA103.1	3	3	2	1	3	1	0	1	1
12	YMA103.2	3	3	3	2	3	1	1	1	1
13	YMA103.3	3	3	2	1	3	1	0	1	1

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**Programme Articulation Matrix**

Programme: 359      2022-2024      Academic Year: 2023-2024

Batch: 2022-2024

14	YMA103.4	3	3	3	3	2	3	1	1	1	1
15	YMA103.5	3	3	2	3	1	3	1	0	1	1
16	YMA104.1	3	3	3	3	2	3	1	1	1	1
17	YMA104.2	3	3	3	3	2	3	1	1	1	1
18	YMA104.3	3	3	3	3	2	3	1	1	1	1
19	YMA104.4	3	3	3	3	3	3	1	2	1	1
20	YMA104.5	3	3	3	3	2	3	1	1	1	1
21	YMA105.1	3	3	2	3	1	3	1	0	1	1
22	YMA105.2	3	3	3	3	2	3	1	1	1	1
23	YMA105.3	3	3	2	3	1	3	1	0	1	1
24	YMA105.4	3	3	2	3	1	3	1	0	1	1
25	YMA105.5	3	3	2	3	1	3	1	0	1	1
26	YMA201.1	3	3	2	3	1	3	1	0	1	1
27	YMA201.2	3	3	3	3	2	3	1	1	1	1
28	YMA201.3	3	3	2	3	1	3	1	0	1	1

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**Programme Articulation Matrix**

Programme: 359      2022-2024      Academic Year: 2023-2024

29	YMA201.4	3	3	2	1	3	1	0	1	1
30	YMA201.5	3	3	2	1	3	1	0	1	1
31	YMA202.1	3	3	2	1	3	1	0	1	1
32	YMA202.2	3	3	3	2	3	1	1	1	1
33	YMA202.3	3	3	2	1	3	1	0	1	1
34	YMA202.4	3	3	2	1	3	1	0	1	1
35	YMA202.5	3	3	2	1	3	1	0	1	1
36	YMA203.1	3	3	2	1	3	1	0	1	1
37	YMA203.2	3	3	3	3	3	1	2	1	1
38	YMA203.3	3	3	3	2	3	1	1	1	1
39	YMA203.4	3	3	3	2	3	1	1	1	1
40	YMA203.5	3	3	3	2	3	1	1	1	1
41	YMA204.1	3	3	2	1	3	1	0	1	1
42	YMA204.2	3	3	2	1	3	1	0	1	1
43	YMA204.3	3	3	2	1	3	1	2	1	1

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**Programme Articulation Matrix**

Programme: 359 Academic Year: 2023-2024

Batch: 2022-2024

44	YMA204.4	3	3	2	1	3	1	0	1	1
45	YMA204.5	3	3	2	1	3	1	0	1	1
46	YMA205.1	3	3	2	1	3	1	0	1	1
47	YMA205.2	3	3	3	2	3	1	1	1	1
48	YMA205.3	3	3	2	1	3	1	0	1	1
49	YMA205.4	3	3	2	1	3	1	0	1	1
50	YMA205.5	3	3	2	1	3	1	0	1	1
51	YMA301.1	3	3	3	2	3	1	1	1	1
52	YMA301.2	3	3	3	2	3	1	1	1	1
53	YMA301.3	3	3	3	2	3	1	1	1	1
54	YMA301.4	3	3	2	1	3	1	0	1	1
55	YMA301.5	3	3	3	2	3	1	1	1	1
56	YMA302.1	3	3	3	2	3	1	1	1	1
57	YMA302.2	3	3	3	2	3	1	1	1	1
58	YMA302.3	3	3	3	2	3	1	1	1	1

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**Programme Articulation Matrix**

Programme: 359      Academic Year: 2023-2024

Batch: 2022-2024

59	YMA302.4	3	3	3	3	2	3	1	1	1	1
60	YMA302.5	3	3	3	3	2	3	1	1	1	1
61	YMA303.1	3	3	3	2	1	3	1	0	1	1
62	YMA303.2	3	3	3	2	1	3	1	0	1	1
63	YMA303.3	3	3	3	2	1	3	1	0	1	1
64	YMA303.4	3	3	3	2	1	3	1	0	1	1
65	YMA303.5	3	3	3	2	1	3	1	0	1	1
66	YMA304.1	3	3	3	3	2	3	1	1	1	1
67	YMA304.2	3	3	3	2	1	3	1	0	1	1
68	YMA304.3	3	3	3	3	2	3	1	1	1	1
69	YMA304.4	3	3	3	2	1	3	1	0	1	1
70	YMA304.5	3	3	3	2	1	3	1	0	1	1
71	YMA305.1	3	3	3	2	1	3	1	0	1	1
72	YMA305.2	3	3	3	3	2	3	1	1	1	1
73	YMA305.3	3	3	3	3	2	3	1	1	1	1

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**Programme Articulation Matrix**

Programme: 359 Academic Year: 2023-2024

Batch: 2022-2024

74	YMA305.4	3	3	3	3	3	3	1	2	1	1
75	YMA305.5	3	3	3	2	3	1	1	1	1	1
76	YMA401.1	3	3	0	0	0	0	2	2	0	0
77	YMA401.2	3	3	0	0	0	0	2	2	0	0
78	YMA401.3	0	0	3	3	0	0	0	0	0	1
79	YMA401.4	0	0	0	2	1	0	0	0	0	1
80	YMA401.5	0	0	0	2	1	0	0	0	0	1
Average		2.9	2.9	2.4	1.5	2.8	0.9	0.6	1	1	1

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