

# DEPARTMENT OF PHYSICS

### Course Outcome Attainment

Programme: 161

AcademicYear: 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
XMG103	Algebra, Trigonometry and Transform	CO1	60	0	No
		CO2	60	0	No
		CO3	60	0	No
		CO4	60	0	No
		CO5	60	0	No
XPH104	Properties of Matter and Sound	CO1	60	0	No
		CO2	60	0	No
		CO3	60	0	No
		CO4	60	0	No
		CO5	60	0	No
XPH105	Mechanics and Special Theory of Relativity	CO1	60	3	Yes
		CO2	60	2	No
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	0	No
XUM106	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
XPH107	Physics Practical - I	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

*P. Anand*  
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### Course Outcome Attainment

Programme: 161 Academic Year: 2022-2023  
 Batch: 2020-2023 Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XGL201	Advanced English Communication Skills	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
XMG203	Calculus and Differential Equations	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH204	Electricity and Magnetism	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH205	Atomic Physics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH206	Physics Practical II	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: 161

Academic Year: 2022-2023

Batch: 2020-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XPH301	Physics Workshop Skills	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XCG302	Inorganic, Organic and Physical Chemistry	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH303	Heat and Thermodynamics	CO1	60	3	Yes
		CO2	60	1	No
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	1	No
XPH304	Basic Electronics	CO1	60	0	No
		CO2	60	0	No
		CO3	60	0	No
		CO4	60	0	No
		CO5	60	0	No
XCG305	Volumetri and Qualitative Analysis Lab	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

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### Course Outcome Attainment

Programme: 161

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Section: A

Course Code	Course Name	CO	Target %	Level	Attained
XPH307	Physics Practical - III	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH308	Minor Course - Office Automation - 1 Credit	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH401	Electrical Circuit Network Skills	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH402	Inorganic, Organic and Physical Chemistry II	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH403	Waves and Optics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH404	Digital Electronics	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**

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Course Code	Course Name	CO	Target %	Level	Attained
XPH405	Volumetric and Qualitative Analysis	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH406	Physics Practical IV	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH501	Basic Instrumentation Skill	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH502A	Solid State Physics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH503A	Nuclear and Particle Physics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH504A	Microprocessor and C programming	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	1	No
		CO5	60	1	No

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### Course Outcome Attainment

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Course Code	Course Name	CO	Target %	Level	Attained
XPH505	Physics Practical VA	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH506	Physics Practical VB	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH507	In plant Training	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH508	Minor Course - Animation Software II - 1 Credit	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH601	Renewable Energy	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH602B	Material Science	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	1	No
		CO5	60	3	Yes

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**Course Outcome Attainment**

**Programme:** 161 **AcademicYear:** 2022-2023  
**Batch:** 2020-2023 **Section:** A

Course Code	Course Name	CO	Target %	Level	Attained
XPH603A	MEMS	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH604	Physics Practical VIA	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH605	Physics Practical VIB	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
XPH606	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: 161      Academic Year: 2022-2023  
 Batch: 2020-2023      Section: A

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
1	XGL101	1.4	0	0	0	0	0	1.2	0
2	XMG103	0	0	0	0	0	0	0	0
3	XPH104	0	0	0	0	0	0	0	0
4	XPH105	2	1.9	0.7	1.3	2	1.7	0.6	1
5	XUM106	0	0.2	0	0	0	2	0.4	0
6	XPH107	3	1	0	1.8	1	2	2.8	2
7	XGL201	1.4	0	0	0	0	0	1.2	0
8	XES202	2	0	1.2	0.2	2.4	2	0.4	2
9	XMG203	3	1.2	0	0	0.4	0	0	0
10	XPH204	3	3	0.8	3	2.2	3	0.6	1.6
11	XPH205	3	2	0.8	2.2	3	2.2	0.6	1.6
12	XPH206	3	1	0.8	1.8	1	2	2.8	2
13	XPH301	3	2	0.8	3	2	3	0.6	1.6

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Overall PO Attainment Report

Programme: 161 2020-2023 Academic Year: 2022-2023

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14	XCG302	2.4	1	0.4	1.8	1	1.2	0.6	0.8
15	XPH303	2.2	1.5	0	1.7	2.2	1.7	0.6	1.2
16	XPH304	0	0	0	0	0	0	0	0
17	XCG305	2.4	1	0.4	1.8	1	1.2	0.6	0.8
18	XUM306	1	0	0	0	0	3	2	1
19	XPH307	3	1.2	0.6	1.8	1	2	2.6	2
20	XPH401	3	2	0	2.2	3	2.2	0.6	1.6
21	XPH403	3	2.8	0	1.4	2.2	1	0.6	1.6
22	XPH404	3	1.2	0	1.4	3	2.2	0.6	1.6
23	XPH405	3	0	0	1.8	1	2	2.8	2
24	XPH406	3	1.2	0.2	1.8	1	2	2.4	2
25	XPH501	3	2	0	3	2	1	0.6	1.8
26	XPH502A	3	2	0	2.2	3	2.2	1.2	1.6
27	XPH503A	3	2.2	0	1.4	1.6	0.8	0.6	1.6
28	XPH504A	2.2	1.5	0	2.2	1.7	1.1	0.6	1.1

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**Overall PO Attainment Report**

Programme: 161      Academic Year: 2022-2023

Batch:	2020-2023										2021-2022										2022-2023																																																																													
	Section: A																																																																																																	
29	XP	H505	3	1.2	0	1.8	1	2	2.8	2	30	XP	H506	3	1.2	0	1.8	1	2	2.8	2	31	XP	H508	3	1.2	0	1.8	1	2	2.8	2	32	XP	H601	2.2	1.2	0	3	2	0.8	0.6	1.6	33	XP	H602B	1.9	0.5	1.3	2	0.9	2.6	1.5	1.3	34	XP	H603A	2	1.8	0	1.6	2.2	0.6	0.6	1.6	35	XP	H604	3	1.2	0.2	1.8	1.2	2.2	2.6	2	36	XP	H605	3	1.2	0.2	1.8	1.2	2.2	2.6	2	37	XP	H606	3	1.2	0.2	1.8	2	2.2	2.6	2.4

Average Attained	2.3	1.2	0.2	1.5	1.4	1.6	1.3	1.3
Direct Attainment(80%)	2.7	2.6	2	2.8	2.6	2.7	3	2.6

Prog. Exit Survey(10%)	3	3	3	2	3	3	3	3
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Overall PO Attainment Report

Programme: 161 Academic Year: 2022-2023

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Alumni Survey(10%)	3	2	3	2	2	3	3	2
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Overall Attainment	2.8	2.6	2.2	2.6	2.6	2.8	3	2.6
Attained	No	No	No	No	No	No	Yes	No

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Programme Articulation Matrix

Academic Year: 2022-2023

Programme: 161

Academic Year: 2022-2023

Batch: 2020-2023

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
1	XGL101.1	2	0	0	0	0	0	2	0
2	XGL101.2	2	0	0	0	0	0	2	0
3	XGL101.3	1	0	0	0	0	0	1	0
4	XGL101.4	2	0	0	0	0	0	1	0
5	XGL101.5	0	0	0	0	0	0	0	0
6	XMG103.1	3	0	0	0	0	0	0	0
7	XMG103.2	3	0	0	0	0	0	0	0
8	XMG103.3	3	2	0	0	0	0	0	0
9	XMG103.4	3	2	0	0	1	0	0	0
10	XMG103.5	3	2	0	0	1	0	0	0
11	XPH104.1	3	3	2	0	0	3	0	1
12	XPH104.2	3	1	0	2	3	3	0	1
13	XPH104.3	3	3	3	0	0	3	3	2

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Programme Articulation Matrix

Programme: 161      Academic Year: 2022-2023

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14	XPH104.4	3	3	0	0	3	3	0	2
15	XPH104.5	1	3	3	1	2	3	0	2
16	XPH105.1	3	3	1	2	3	2	0	1
17	XPH105.2	3	2	1	2	3	3	0	1
18	XPH105.3	3	3	2	2	3	3	3	2
19	XPH105.4	3	3	0	2	3	2	0	2
20	XPH105.5	3	2	2	2	3	3	0	2
21	XUM106.1	0	1	0	0	0	3	0	0
22	XUM106.2	0	0	0	0	0	2	0	0
23	XUM106.3	0	0	0	0	0	2	0	0
24	XUM106.4	0	0	0	0	0	1	2	0
25	XUM106.5	0	0	0	0	0	2	0	0
26	XPH107.1	3	1	0	2	1	2	3	3
27	XPH107.2	3	1	0	2	1	2	3	2
28	XPH107.3	3	1	0	1	1	2	2	1

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Programme Articulation Matrix

Programme: 161 Academic Year: 2022-2023

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29	XPH107.4	3	1	0	2	1	2	3	2
30	XGL201.1	2	0	0	0	0	0	2	0
31	XGL201.2	2	0	0	0	0	0	2	0
32	XGL201.3	1	0	0	0	0	0	1	0
33	XGL201.4	2	0	0	0	0	0	1	0
34	XGL201.5	0	0	0	0	0	0	0	0
35	XES202.1	2	0	0	0	2	2	0	2
36	XES202.2	2	0	0	0	2	0	0	0
37	XES202.3	2	0	3	0	3	3	0	2
38	XES202.4	2	0	3	0	3	3	2	3
39	XES202.5	2	0	0	1	2	2	0	3
40	XMG203.1	3	0	0	0	0	0	0	0
41	XMG203.2	3	0	0	0	0	0	0	0
42	XMG203.3	3	2	0	0	0	0	0	0
43	XMG203.4	3	2	0	0	1	0	0	0

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Programme Articulation Matrix

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44	XMG203.5	3	2	0	0	1	0	0	0	0
45	XPH204.1	3	3	0	3	3	3	0	1	
46	XPH204.2	3	3	1	3	2	3	0	1	
47	XPH204.3	3	3	1	3	2	3	3	2	
48	XPH204.4	3	3	1	3	2	3	0	2	
49	XPH204.5	3	3	1	3	2	3	0	2	
50	XPH205.1	3	2	0	3	3	3	0	1	
51	XPH205.2	3	2	1	2	3	2	0	1	
52	XPH205.3	3	2	1	2	3	2	3	2	
53	XPH205.4	3	2	1	2	3	2	0	2	
54	XPH205.5	3	2	1	2	3	2	0	2	
55	XPH206.1	3	1	0	2	1	2	3	3	
56	XPH206.2	3	1	1	2	1	2	3	2	
57	XPH206.3	3	1	1	1	1	2	2	1	
58	XPH206.4	3	1	0	2	1	2	3	2	

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59	XPH206.5	3	1	2	2	1	2	3	2
60	XPH301.1	3	2	0	3	2	3	0	1
61	XPH301.2	3	2	1	3	2	3	0	1
62	XPH301.3	3	2	1	3	2	3	3	2
63	XPH301.4	3	2	1	3	2	3	0	2
64	XPH301.5	3	2	1	3	2	3	0	2
65	XCG302.1	3	1	0	2	2	2	1	2
66	XCG302.2	3	2	0	2	1	1	0	0
67	XCG302.3	2	0	1	2	0	1	0	1
68	XCG302.4	2	1	0	1	0	0	0	0
69	XCG302.5	2	1	1	2	2	2	2	1
70	XPH303.1	3	2	0	3	3	3	0	1
71	XPH303.2	3	2	0	2	3	2	0	1
72	XPH303.3	3	2	0	2	3	2	3	2
73	XPH303.4	3	2	0	2	3	2	0	2

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Programme Articulation Matrix

2022-2023

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74	XPH303.5	3	2	0	2	3	2	0	2
75	XPH304.1	3	2	0	2	3	3	0	1
76	XPH304.2	3	2	0	2	3	2	0	1
77	XPH304.3	3	2	1	2	3	2	3	2
78	XPH304.4	3	2	1	2	3	2	0	2
79	XPH304.5	3	2	1	2	3	2	0	2
80	XCG305.1	3	1	0	2	2	2	1	2
81	XCG305.2	3	2	0	2	1	1	0	0
82	XCG305.3	2	0	1	2	0	1	0	1
83	XCG305.4	2	1	0	1	0	0	0	0
84	XCG305.5	2	1	1	2	2	2	2	1
85	XUM306.1	1	0	0	0	0	5	2	0
86	XUM306.2	2	0	0	0	0	1	2	0
87	XUM306.3	1	0	0	0	0	2	2	1
88	XUM306.4	1	0	0	0	0	2	2	1

P. Ganesan  
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Programme Articulation Matrix

2022-2023

Programme: 161

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Batch: 2020-2023

89	XUM306.5	0	0	0	0	0	0	0	0	5	2	3
90	XP307.1	3	1		2	1	2	3	3			
91	XP307.2	3	1	1	2	1	2	3	2			
92	XP307.3	3	1		1	1	2	2	1			
93	XP307.4	3	1		2	1	2	3	2			
94	XP307.5	3	2	2	2	1	2	2	2			
95	XP401.1	3	2	0	3	3	3	0	1			
96	XP401.2	3	2	0	2	3	2	0	1			
97	XP401.3	3	2	0	2	3	2	3	2			
98	XP401.4	3	2	0	2	3	2	0	2			
99	XP401.5	3	2	0	2	3	2	0	2			
100	XP403.1	3	2	0	3	3	1	0	1			
101	XP403.2	3	3	0	1	2	1	0	1			
102	XP403.3	3	3	0	1	2	1	3	2			
103	XP403.4	3	3	0	1	2	1	0	2			

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Programme Articulation Matrix

2022-2023

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Academic Year:

Batch: 2020-2023

104	XP403.5	3	3	0	1	2	1	0	2
105	XP404.1	3	2	0	3	3	3	0	1
106	XP404.2	3	1	0	1	3	2	0	1
107	XP404.3	3	1	0	1	3	2	3	2
108	XP404.4	3	1	0	1	3	2	0	2
109	XP404.5	3	1	0	1	3	2	0	2
110	XP405.1	3	0	0	2	1	2	3	3
111	XP405.2	3	0	0	2	1	2	3	2
112	XP405.3	3	0	0	1	1	2	2	1
113	XP405.4	3	0	0	2	1	2	3	2
114	XP406.1	3	1	0	2	1	2	3	3
115	XP406.2	3	1	0	2	1	2	3	2
116	XP406.3	3	1	0	1	1	2	2	1
117	XP406.4	3	1	0	2	1	2	3	2
118	XP406.5	3	2	1	2	1	2	1	2

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Programme Articulation Matrix

2022-2023

Academic Year:

Programme: 161

Batch: 2020-2023

119	XPH501.1	3	2	0	3	2	1	0	1
120	XPH501.2	3	2	0	3	2	1	3	2
121	XPH501.3	3	2	0	3	2	1	0	2
122	XPH501.4	3	2	0	3	2	1	0	2
123	XPH501.5	3	2	0	3	2	1	0	2
124	XPH502A.1	3	2	0	3	3	3	0	1
125	XPH502A.2	3	2	0	2	3	2	0	1
126	XPH502A.3	3	2	0	2	3	2	3	2
127	XPH502A.4	3	2	0	2	3	2	3	2
128	XPH502A.5	3	2	0	2	3	2	0	2
129	XPH503A.1	3	2	0	3	3	1	0	1
130	XPH503A.2	3	3	0	2	0	2	0	1
131	XPH503A.3	3	2	0	2	0	0	3	2
132	XPH503A.4	3	2	0	0	3	0	0	2
133	XPH503A.5	3	2	0	0	2	1	0	2

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Programme Articulation Matrix

Programme: 161 Academic Year: 2022-2023

Batch: 2020-2023

134	XPH504A.1	3	2	0	3	3	0	1
135	XPH504A.2	3	2	0	3	2	0	1
136	XPH504A.3	3	2	0	3	2	0	2
137	XPH504A.4	3	2	0	3	2	0	2
138	XPH504A.5	3	2	0	3	2	1	2
139	XPH505.1	3	1	0	2	1	2	3
140	XPH505.2	3	1	0	2	1	2	2
141	XPH505.3	3	1	0	1	1	2	1
142	XPH505.4	3	1	0	2	1	2	2
143	XPH505.5	3	2	0	2	1	2	2
144	XPH506.1	3	1	0	2	1	2	3
145	XPH506.2	3	1	0	2	1	2	2
146	XPH506.3	3	1	0	1	1	2	1
147	XPH506.4	3	1	0	2	1	2	2
148	XPH506.5	3	2	0	2	1	2	2

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Programme Articulation Matrix

2022-2023

Programme: 161

Academic Year:

Batch: 2020-2023

149	XPH508.1	3	1	0	2	1	2	3	3
150	XPH508.2	3	1	0	2	1	2	3	2
151	XPH508.3	3	1	0	1	1	2	2	1
152	XPH508.4	3	1	0	2	1	2	3	2
153	XPH508.5	3	2	0	2	1	2	3	2
154	XPH601.1	3	2	0	3	2	2	0	1
155	XPH601.2	2	1	0	3	2	1	0	1
156	XPH601.3	2	1	0	3	2	1	3	2
157	XPH601.4	2	1	0	3	2	0	0	2
158	XPH601.5	2	1	0	3	2	0	0	2
159	XPH602B.1	3	0	1	1	1	3	2	2
160	XPH602B.2	2	0	1	2	1	3	2	1
161	XPH602B.3	2	1	3	3	1	3	2	1
162	XPH602B.4	2	1	2	3	1	3	1	2
163	XPH602B.5	2	1	1	3	1	3	1	2

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Programme Articulation Matrix

Academic Year: 2022-2023

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Batch: 2020-2023

164	XPH603A.1	2	3	0	3	3	2	0	1
165	XPH603A.2	2	2	0	2	2	1	0	1
166	XPH603A.3	2	2	0	2	2	0	3	2
167	XPH603A.4	2	2	0	1	2	0	0	2
168	XPH603A.5	2	0	0	0	2	0	0	2
169	XPH604.1	3	1	0	2	1	2	3	3
170	XPH604.2	3	1	0	2	1	2	3	2
171	XPH604.3	3	1	0	1	1	2	2	1
172	XPH604.4	3	1	0	2	1	2	3	2
173	XPH604.5	3	2	1	2	2	3	2	2
174	XPH605.1	3	1	0	2	1	2	3	3
175	XPH605.2	3	1	0	2	1	2	3	2
176	XPH605.3	3	1	0	1	1	2	2	1
177	XPH605.4	3	1	0	2	1	2	3	2
178	XPH605.5	3	2	1	2	2	3	2	2

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Dr. Gnanapavan  
Dean FHSM

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Programme Articulation Matrix

Academic Year: 2022-2023

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Batch: 2020-2023

179	XPH606.1	3	1	0	2	2	2	3	3
180	XPH606.2	3	1	0	2	2	2	3	2
181	XPH606.3	3	1	0	1	2	2	2	3
182	XPH606.4	3	1	0	2	2	2	3	2
183	XPH606.5	3	2	1	2	2	3	2	2
Average		2.6	1.4	0.3	1.6	1.6	1.8	1.3	1.5

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### Course Outcome Attainment

Programme: 355

AcademicYear: 2022-2023

Batch: 2021-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YPH101	Mathematical Methods of Physics - I	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH102	Classical Mechanics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH103	Electronics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH105	Basic General & Electronics Laboratory	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH201	Mathematical Methods of Physics-II	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH202	Quantum Mechanics - I	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

*P. Gupta*  
HOD

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### Course Outcome Attainment

Programme: 355

Academic Year: 2022-2023

Batch: 2021-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YPH203	Microprocessor and Microcontroller	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH205	Digital & Microprocessor Laboratory	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH301	Solid State Physics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH302	Quantum Mechanics - II	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	2	No
		CO5	60	3	Yes
YPH303	Electromagnetic Theory	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH304A	Micro Electro Mechanical Systems (MEMS)	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

P. Jayaraj  
HOD / PHYSICS

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### Course Outcome Attainment

Programme: 355

Academic Year: 2022-2023

Batch: 2021-2023

Section: A

Course Code	Course Name	CO	Target %	Level	Attained
YPH305	Advanced General & Electronics Laboratory	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH401	Atomic and Molecular Spectroscopy	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH402	Nuclear and Particle Physics	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes
YPH403	Project Work and Viva voce	CO1	60	3	Yes
		CO2	60	3	Yes
		CO3	60	3	Yes
		CO4	60	3	Yes
		CO5	60	3	Yes

*P. Levent*  
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 Head,  
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 Thanjavur-613 403, Tamil Nadu.

Overall PO Attainment Report

Programme: 355 Academic Year: 2022-2023

Batch: 2021-2023 Section: A

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
1	YPH101	2.8	2.2	1	2	1.4	1	2	3	2	1
2	YPH102	3	2.6	1	1	1	1	3	2	1	1
3	YPH103	3	2.4	2	1	2	2	3	3	0	1
4	YPH105	2.6	2.8	1	1	2	3	2	3	0	1
5	YPH201	2.8	2.2	1	2	1.4	1	2	3	2	1
6	YPH202	1	2.4	0	2.6	3	1	2	1	3	1
7	YPH203	3	2.4	2.2	1	2	1	3	2.2	0	0
8	YPH205	2.6	2.8	1	1	2	2	2	3	0	0
9	YPH301	3	3	1.8	1	3	1	3	2	0	0
10	YPH302	2.4	2.4	0	1.5	2.8	0.9	1.9	0.9	0	0
11	YPH303	2	2	1	1	3	1	3	2	0	0
12	YPH304A	1	2	2.6	2	3	2	3	2	0	0
13	YPH305	2.6	2.8	1	1	2	3	2	3	0	0

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**Overall PO Attainment Report**

Programme: 355      2021-2023      Academic Year: 2022-2023

Batch: 2021-2023      Section: A

14	YPH401	2	1	2	1	2	1	3	2	0	0
15	YPH402	2.6	2.8	1	1	2.4	2	1.8	1.4	0	0
16	YPH403	2.8	2.8	1	1	2	3	2	3	0	0

Average Attained	2.5	2.4	1.2	1.3	2.2	1.6	2.4	2.3	0.5	0.4
Direct Attainment(80%)	3	3	3	3	3	3	3	3	3	3

Prog. Exit Survey(10%)	3	3	3	2	3	3	3	3	2	3
Alumni Survey(10%)	3	2	3	2	2	3	3	2	3	2

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

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Programme Articulation Matrix

Academic Year: 2022-2023

Programme: 355

Batch: 2021-2023

S.No.	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
1	YPH101.1	3	3	1	2	1	1	2	3
2	YPH101.2	3	2	1	2	1	1	2	3
3	YPH101.3	3	2	1	2	1	1	2	3
4	YPH101.4	3	2	1	2	2	1	2	3
5	YPH101.5	2	2	1	2	2	1	2	3
6	YPH102.1	3	3	1	1	1	1	3	2
7	YPH102.2	3	3	1	1	1	1	3	2
8	YPH102.3	3	3	1	1	1	1	3	2
9	YPH102.4	3	2	1	1	1	1	3	2
10	YPH102.5	3	2	1	1	1	1	3	2
11	YPH103.1	3	2	1	1	2	2	3	3
12	YPH103.2	3	3	2	1	1	2	3	3
13	YPH103.3	3	2	3	1	2	2	3	3

P. Gnanapavan  
HOD (PHYSICS)

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Programme Articulation Matrix

Programme: 355 Academic Year: 2022-2023

Batch: 2021-2023

14	YPH103.4	3	2	3	1	2	2	3	3
15	YPH103.5	3	3	1	1	3	2	3	3
16	YPH105.1	3	3	1	1	3	3	2	3
17	YPH105.2	2	3	1	1	3	3	2	3
18	YPH105.3	3	3	1	1	1	3	2	3
19	YPH105.4	3	2	1	1	1	3	2	3
20	YPH105.5	2	3	1	1	2	3	2	3
21	YPH201.1	3	3	1	2	1	1	2	3
22	YPH201.2	3	2	1	2	1	1	2	3
23	YPH201.3	3	2	1	2	1	1	2	3
24	YPH201.4	3	2	1	2	2	1	2	3
25	YPH201.5	2	2	1	2	2	1	2	3
26	YPH202.1	1	2	0	3	3	1	2	1
27	YPH202.2	1	3	0	3	3	1	2	1
28	YPH202.3	1	3	0	3	3	1	2	1

P. Gnanapriya  
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Programme Articulation Matrix

2022-2023

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Academic Year:

Batch: 2021-2023

29	YPH202.4	1	1	0	3	3	1	2	1
30	YPH202.5	1	3	0	1	3	1	2	1
31	YPH203.1	3	2	1	1	2	1	3	2
32	YPH203.2	3	3	2	1	1	1	3	2
33	YPH203.3	3	2	3	1	2	1	3	3
34	YPH203.4	3	2	3	1	2	1	3	2
35	YPH203.5	3	3	2	1	3	1	3	2
36	YPH205.1	3	3	1	1	3	2	2	3
37	YPH205.2	2	3	1	1	3	2	2	3
38	YPH205.3	3	3	1	1	1	2	2	3
39	YPH205.4	3	2	1	1	1	2	2	3
40	YPH205.5	2	3	1	1	2	2	2	3
41	YPH301.1	3	3	1	1	3	1	3	2
42	YPH301.2	3	3	2	1	3	1	3	2
43	YPH301.3	3	3	3	1	3	1	3	2

P. Chandrasekhar  
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Programme Articulation Matrix

2022-2023

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44	YPH301.4	3	3	1	1	3	1	3	2
45	YPH301.5	3	3	2	1	3	1	3	2
46	YPH302.1	3	3	0	1	3	1	2	1
47	YPH302.2	3	3	0	1	3	1	2	1
48	YPH302.3	2	2	0	2	3	1	2	1
49	YPH302.4	3	3	0	1	3	1	2	1
50	YPH302.5	2	2	0	3	3	1	2	1
51	YPH303.1	2	2	1	1	3	1	3	2
52	YPH303.2	2	2	1	1	3	1	3	2
53	YPH303.3	2	2	1	1	3	1	3	2
54	YPH303.4	2	2	1	1	3	1	3	2
55	YPH303.5	2	2	1	1	3	1	3	2
56	YPH304A.1	1	2	2	2	3	2	3	2
57	YPH304A.2	1	2	2	2	3	2	3	2
58	YPH304A.3	1	2	3	2	3	2	3	2

P. Gnanapriya  
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Dr. P. Gnanapriya  
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**Programme Articulation Matrix**

Programme: 355

Academic Year: 2022-2023

Batch: 2021-2023

74	YPH402.4	3	2	1	1	1	1	2	3	2
75	YPH402.5	2	3	1	1	2	2	3	3	2
76	YPH403.1	3	3	1	1	3	3	2	3	3
77	YPH403.2	3	3	1	1	3	3	2	3	3
78	YPH403.3	3	3	1	1	1	3	2	3	3
79	YPH403.4	3	2	1	1	1	3	2	3	3
80	YPH403.5	2	3	1	1	2	3	2	3	3
Average		2.5	2.4	1.2	1.3	2.2	1.6	2.4	2.3	2.3

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