



PERIYAR MANIAMMAI

INSTITUTE OF SCIENCE & TECHNOLOGY

(Deemed to be University)

Established Under Sec. 3 of JGC Act 1956 - NAAC Accredited

think • innovate • transform

Criterion 1 – Curricular Aspects

Key Indicator	1.2	Academic Flexibility
Metric	1.2.1	Percentage of new courses introduced of the total number of courses across all programs offered during 2023-24

DOCUMENTS

NOTE: As the supporting documents for this metric exceeds the upload limit of 5MB, appropriate link is provided to PMIST website that has the relevant documents.

List of Newcourses Offered during 2023-24 duly Signed bythe Registrar

S.No.	Name of the Course	Course Code	Year of Introduction
1.	Aircraft Design Project	XAS508	2023-24
2.	Professional Skills	XGS605	2023-24
3.	Machine Dynamics Lab	XAS607	2023-24
4.	UAV Business and Operational Industrial Aspects	XASH03	2023-24
5.	Design and Development of UAV	XASH04	2023-24
6.	Remote Pilot Training	XASH05	2023-24
7.	Project Work	XASH06	2023-24
8.	Cell Biology and Molecular Biology	YBT101	2023-24
9.	Biochemistry	YBT102	2023-24
10.	Microbiology	YBT103	2023-24
11.	Bio analytic technique	YBT104A	2023-24
12.	Nano biotechnology	YBT104B	2023-24
13.	Molecular Genetics	YBT104C	2023-24
14.	Molecular Biology and Microbiology Laboratory	YBT105	2023-24
15.	Biochemistry Laboratory	YBT106	2023-24
16.	Communication Skills and Scientific Writing	YBT107	2023-24
17.	Recombinant DNA Technology	YBT201	2023-24
18.	Immunology	YBT202	2023-24
19.	Biostatistics	YBT203	2023-24
20.	Animal and Plant Biotechnology	YBT204B	2023-24

21.	Pharmaceutical Biotechnology	YBT204C	2023-24
22.	Immunology lab	YBT205	2023-24
23.	Recombinant DNA Technology lab	YBT206	2023-24
24.	Research Methodology, Ethics, and IPR	YBT207	2023-24
25.	Materials Science & Engineering	YNT103	2023-24
26.	Nano fluid Dynamics	YNT104E	2023-24
27.	Cell and Molecular Biology	YNT104F	2023-24
28.	3D Printing	YNT105E	2023-24
29.	Nano composites	YNT203	2023-24
30.	Polymer Engineering	YNT204A	2023-24
31.	Graphene Nanotechnology	YNT205B	2023-24
32.	Carbon Nano tube	YNT205C	2023-24
33.	Quantum Dot	YNT205D	2023-24
34.	Polymeric carrier	YNT205E	2023-24
35.	Lithographic techniques	YNT205F	2023-24
36.	Fundamentals Of ROS and Embedded In Robotics	XECHR3	2023-24
37.	Artificial Intelligence and Computer Vision for Robotics	XECHR4	2023-24
38.	Deep Learning for Robotics	XECHR5	2023-24
39.	Fundamentals of Electric Vehicles	XEEEV1	2023-24
40.	Fundamentals of Electric Vehicles Laboratory	XEEEV2	2023-24
41.	Electric Vehicle Architecture	XEEEV3	2023-24
42.	Heat Transfer and Refrigeration Laboratory	XME507	2023-24
43.	Fundamentals of ROS and Embedded in Robotics	XECHR3	2023-24
44.	Artificial Intelligence and Computer Vision for Robotics	XECHR4	2023-24
45.	Professional Skills	XGS605	2023-24
46.	Machine Tools and Metrology Laboratory	XME607	2023-24
47.	Tool Design and Drawing Laboratory	XME608	2023-24
48.	Deep Learning for Robotics	XECHR5	2023-24
49.	Mechanical Engineering Laboratory VI (Special Machines)	XME707	2023-24
50.	Wind, Ocean, Hydro and Geothermal Energy Systems	YRE102	2023-24
51.	Process Modeling in Energy Systems	YRE103	2023-24
52.	Human Computer Interaction	XCSE54	2023-24
53.	Introduction to Machine Learning	XCSHA3	2023-24
54.	Applied Artificial Intelligence	XCSHD3	2023-24
55.	Big Data Analytics	XCS602	2023-24
56.	Deep Learning	XCSHD4	2023-24
57.	Internet of Things	XCSHA5	2023-24
58.	Big Data Analytics Laboratory	XCS608	2023-24
59.	Tamil III/Foundational Tamil III	XGT301/XFT301	2023-24
60.	English III	XGE302	2023-24

61.	Introduction to Python	XDS303	2023-24
62.	Mathematics for Data Science – III	XDS304	2023-24
63.	Database Management Systems	XDS305	2023-24
64.	Operating Systems	XDS306	2023-24
65.	Open Elective	OE	2023-24
66.	Introduction to Python Laboratory	XDS308	2023-24
67.	Database Management Systems Laboratory	XDS309	2023-24
68.	Operating Systems Laboratory	XDS310	2023-24
69.	Disaster Management	XUM003	2023-24
70.	Tamil IV/Foundational Tamil IV	XGT401/XFT401	2023-24
71.	English IV	XGE402	2023-24
72.	Data Analytics	XDS403	2023-24
73.	Mathematics for Data Science -IV	XDS404	2023-24
74.	R programming	XDS405	2023-24
75.	Data Mining and Data Warehousing	XDS406	2023-24
76.	Open Elective	OE	2023-24
77.	Data Analytics Laboratory	XDS408	2023-24
78.	R programming Laboratory	XDS409	2023-24
79.	Data Mining and Data Warehousing Laboratory	XDS410	2023-24
80.	Introduction to Entrepreneurship Development	XUM004	2023-24
81.	Cryptography and Network Security	YCA102	2023-24
82.	Big Data Analytics	YCA201	2023-24
83.	Optimization Techniques	YCAME2A	2023-24
84.	Advanced Data Structures	YCA203	2023-24
85.	Object Oriented Programming Language	YCA204	2023-24
86.	Corporate Planning	YCABE5B	2023-24
87.	Big Data Analytics Laboratory	YCA206	2023-24
88.	Object Oriented Programming Language Laboratory	YCA207	2023-24
89.	Data Visualization Laboratory	YCA208	2023-24
90.	Principles of Data Science	YDS101	2023-24
91.	Advanced Statistical Methods - I	YDS102	2023-24
92.	Python and R Programming	YDS103	2023-24
93.	Advanced Algorithms and Data Structures	YDS104	2023-24
94.	Advanced Database Management Systems	YDS105	2023-24
95.	Python and R Programming Laboratory	YDS106	2023-24
96.	Advanced Database Management Systems Laboratory	YDS107	2023-24
97.	Interpersonal and Delivering Skills	YDSSE1	2023-24
98.	Machine Learning Techniques	YDS201	2023-24
99.	Advanced Statistical Methods - II	YDS202	2023-24
100.	Big Data Analytics	YDS203	2023-24
101.	General Elective Course - I	YDSGE1	2023-24
102.	Discipline Specific Elective - I	YDSDE1	2023-24
103.	Machine Learning Techniques	YDS204	2023-24

	Laboratory		
104.	Discipline Specific Elective – II (Laboratory)	YDSDE2	2023-24
105.	Cyber Security	YDSSE2	2023-24
106.	UX Design	XAM502C	2023-24
107.	Cyber Security	XAM601A	2023-24
108.	Introduction to Journalism	XAM604C	2023-24
109.	Algorithms	XAI 301	2023-24
110.	Micro Processor	XAI309	2023-24
111.	Foundations of Artificial Intelligence With R Programming	XAI 302	2023-24
112.	Database Management Systems	XAI 303	2023-24
113.	Auxiliary Physics	XAI 304	2023-24
114.	Artificial Intelligence Lab	XAI 305	2023-24
115.	Database Management Systems Lab	XAI306	2023-24
116.	Auxiliary Physics Lab	XAI307	2023-24
117.	Disaster Management	XUMA003	2023-24
118.	Open Elective - To be chosen by student		2023-24
119.	Operating System	XAI 401	2023-24
120.	Internet of things	XAI 402	2023-24
121.	Machine Learning With Real time Applications	XAI 403	2023-24
122.	Computer Networks	XAI 404	2023-24
123.	Internet of things Lab	XAI 405	2023-24
124.	Machine Learning With Real time Applications Lab	XAI 406	2023-24
125.	*Open Elective - To be chosen by student		2023-24
126.	Introduction to Entrepreneurship Development	XUMA004	2023-24
127.	Prolog(* Extra Credit)	XAI 409	2023-24
128.	Foundation Tamil-I	XFT101	2023-24
129.	Tamil-I	XGT101	2023-24
130.	English – I	XGE102	2023-24
131.	Programming Methodologies	XCI103	2023-24
132.	Algebra, Calculus & Analytical Geometry	XCI104	2023-24
133.	Basics of Computers and Cyber crime	XCI105	2023-24
134.	Programming Methodologies Lab	XCI106	2023-24
135.	Office Automation Lab	XCI107	2023-24
136.	Human Ethics, Values, Rights, and Gender Equality	XUMA001	2023-24
137.	Tamil – II/	XGT201/	2023-24
138.	Foundational Tamil - II	XFT201	2023-24
139.	English – II	XGE202	2023-24
140.	Data Structures	XCI203	2023-24
141.	Discrete Mathematics	XCI204	2023-24
142.	Python Programming	XCI205	2023-24
143.	Data Structures Lab	XCI206	2023-24
144.	Python Programming Lab	XCI207	2023-24
145.	Environmental Studies	XUMA002	2023-24

146.	Research Methodology	YCY206	2023-24
147.	Quantitative Inorganic estimation (titrimetry) and Inorganic Preparations	XCY104	2023-24
148.	Cosmetics and Personal care Products	XCY106	2023-24
149.	Foundation Course	XCY100	2023-24
150.	Qualitative Organic Analysis and Preparation of Organic Compounds	XCY204	2023-24
151.	Dairy Chemistry	XCY206	2023-24
152.	Role of Chemistry in daily life	XCY207	2023-24
153.	Organic Chemistry I	XCY301	2023-24
154.	Inorganic Chemistry II	XCY302	2023-24
155.	Physical Chemistry II	XCY401	2023-24
156.	Organic Chemistry II	XCY402	2023-24
157.	Gravimetric Estimation Practical IV	XCY403	2023-24
158.	Digital Marketing	XCO304B	2023-24
159.	Communication and Documentation in Business	XCO304A	2023-24
160.	E- Commerce	XCO405A	2023-24
161.	Personal Tax Planning and Tax Management	XCO405B	2023-24
162.	Computerized Accounting – Tally Practical	XCO405C	2023-24
163.	Tamil – III / Foundational Tamil – III	XGT301 /XFT301	2023-24
164.	English – III	XGE302	2023-24
165.	Tamil – IV / Foundational Tamil – IV	XGT401 / XFT401	2023-24
166.	English – IV	XGE402	2023-24
167.	Corporate Accounting	XCG301	2023-24
168.	Business Incubation	XCG303B	2023-24
169.	New Venture Planning and Development	XCG303C	2023-24
170.	Project Management	XCG304C	2023-24
171.	Goods and Service Tax	XCG403	2023-24
172.	Mind Management	XCG404A	2023-24
173.	Training and Development	XCG404B	2023-24
174.	Business Communication	XCG404C	2023-24
175.	Auditing Practices	XCG405A	2023-24
176.	Indian Economy	XCG405B	2023-24
177.	Capital Markets	YCO106A	2023-24
178.	Enterprise Resources Planning	YCO202	2023-24
179.	Applied E-Commerce	YCO206B	2023-24
180.	Financial derivatives	YCO206C	2023-24
181.	Business Mathematics And Statistics	XCR304	2023-24
182.	Event Management	XCR305B	2023-24
183.	Banking and Micro Finance	XCR305C	2023-24
184.	Tamil – IV / Foundational Tamil – IV	XGT401 / XFT401	2023-24
185.	English – IV	XGE402	2023-24
186.	Mind Management	XCR405A	2023-24
187.	Financial Services	XCR405B	2023-24
188.	New Venture Planning and Development	XCR405C	2023-24

189.	Principles of Marketing	XCR406B	2023-24
190.	Tamil - III / Foundational Tamil - III	XGT301	2023-24
191.	English – III	XGE302	2023-24
192.	Tamil – III / Foundational Tamil – III	XGT301 /XFT301	2023-24
193.	English – III	XGE302	2023-24
194.	Tamil – IV / Foundational Tamil – IV	XGT401 / XFT401	2023-24
195.	English – IV	XGE402	2023-24
196.	Tamil – I / Foundational Tamil - I	XGT101 / XFT101	2023-24
197.	English – I	XGE102	2023-24
198.	Financial Accounting	XPA103	2023-24
199.	Business Economics	XPA104	2023-24
200.	Spread Sheet Accounting	XPA105	2023-24
201.	Human Ethics, Values, Rights, and Gender Equality	XUM001	2023-24
202.	Tamil - II / Fundamentals of Tamil – II	XGT201 / XFT201	2023-24
203.	English – II	XGE202	2023-24
204.	Advanced Financial Accounting	XPA203	2023-24
205.	Corporate Accounting	XPA204	2023-24
206.	Legal Aspects in Business	XPA205	2023-24
207.	Goods and Service Tax and Customs Law	XPA206	2023-24
208.	Environmental Studies	XUM002	2023-24
209.	Foundation Course	XMT107	2023-24
210.	Environmental Studies	XUM002	2023-24
211.	Mathematical Statistics - 1	XMT303	2023-24
212.	Mathematical Statistics Practical - 1	XMT304	2023-24
213.	Quantitative Aptitude - II	XMT305	2023-24
214.	Abstract Algebra	XMT401	2023-24
215.	Mathematical Statistics - 2	XMT403	2023-24
216.	Mathematical Statistics Practical - 2	XMT404	2023-24
217.	Quantitative Aptitude - III	XMT405	2023-24
218.	Linear Algebra	YMA101	2023-24
219.	AI and Machine Learning	YMA1E1C	2023-24
220.	Advanced Algebra	YMA201	2023-24
221.	Complex Analysis	YMA202	2023-24
222.	Partial Differential Equations	YMA203	2023-24
223.	Advanced Numerical Methods	YMA204	2023-24
224.	Data Science Using R Programming	YMA2E1B	2023-24
225.	Python for Mathematics	YMA2E1C	2023-24
226.	Numerical Methods Practical Using MATLAB	YMA2E2B	2023-24
227.	Data Analytics Practical with Python	YMA2E2C	2023-24
228.	Research Methodology	YRM001	2023-24
229.	Production and Operations Management	XBA301	2023-24
230.	Marketing Management	XBA302	2023-24
231.	Cyber Law	XBAL303	2023-24
232.	Business Statistics	XBA304	2023-24
233.	Commercial Correspondence	XBA305	2023-24

234.	Disaster Management	XUM003	2023-24
235.	Business Project Development	XBAL401	2023-24
236.	Human Resource Management	XBA402	2023-24
237.	Cost Accounting	XBAL403	2023-24
238.	Operations Research	XBAL404	2023-24
239.	Enterprise Resource Planning	XBAL405	2023-24
240.	Introduction to Entrepreneurship Development	XUM004	2023-24
241.	Animation and Imaging	XCAOE4	2023-24
242.	Contemporary Issues in Hospitality	XBAH301	2023-24
243.	Marketing Management	XBA302	2023-24
244.	Fundamentals of Financial and Management Accounting	XBA303	2023-24
245.	Business Statistics	XBA304	2023-24
246.	Commercial Correspondence	XBA305	2023-24
247.	Disaster Management	XUM003	2023-24
248.	Financial Management	XBA401	2023-24
249.	Human Resource Management	XBA402	2023-24
250.	Hospitality Law	XBAH403	2023-24
251.	Customer Relationship Management	XBA404	2023-24
252.	Event Management	XBAH406	2023-24
253.	Introduction to Entrepreneurship Development	XUM004	2023-24
254.	Animation and Imaging	XCAOE4	2023-24
255.	English - I	XGE102	2023-24
256.	Principles of Management	XDM103	2023-24
257.	Accounting for managers- I	XDM104	2023-24
258.	Basics of event management	XDM105	2023-24
259.	Managerial communication	XDM106	2023-24
260.	Managerial economics	XDME01	2023-24
261.	Human ethics, values, rights and gender equality	XUM001	2023-24
262.	International Business	XDME02	2023-24
263.	Marketing Management	XDM203	2023-24
264.	Accounting for managers II	XDM204	2023-24
265.	Managerial Skill Development	XDM205	2023-24
266.	Business Etiquette and Corporate Grooming	XDM206	2023-24
267.	Environmental Studies	XUM002	2023-24
268.	Tamil - I	XGL101	2023-24
269.	English - I	XGE102	2023-24
270.	Properties of Matter and Sound	XPH103	2023-24
271.	Allied Mathematics -I	XMG105	2023-24
272.	Physics practical - I	XPH105	2023-24
273.	Physics for Everyday Life	XPH106	2023-24
274.	Human Ethics ,Values, Rights and Gender Equality	XUM001	2023-24
275.	Foundation Course	XPH107	2023-24
276.	Tamil - II	XGL201	2023-24
277.	English - II	XGE202	2023-24

278.	Allied Mathematics -II	XMG205	2023-24
279.	Numerical Methods and C Programming	XPH207	2023-24
280.	Environmental Studies	XUM002	2023-24
281.	Tamil - III	XGT301	2023-24
282.	English - III	XGE302	2023-24
283.	Mechanics	XPH303	2023-24
284.	Digital Photography	XPH308	2023-24
285.	Tamil - IV	XGT401	2023-24
286.	English - IV	XGE402	2023-24
287.	Optics and Laser Physics	XPH403	2023-24
288.	Energy Physics	XPH407	2023-24
289.	Nano Science and Nanotechnology	XPH408	2023-24
290.	Electricity, Magnetism and Electromagnetism	XPH501	2023-24
291.	Atomic and Nuclear Physics	XPH502	2023-24
292.	Analog and Communication Electronics	XPH503	2023-24
293.	Classical and Statistical Mechanics	XPH504A	2023-24
294.	Material Science	XPH504B	2023-24
295.	Renewable Energy and Energy Harvesting	XPH504C	2023-24
296.	Bio Physics	XPH505A	2023-24
297.	Condensed Matter Physics	XPH505B	2023-24
298.	Opto Electronics	XPH505C	2023-24
299.	Physics Practical - V	XPH506	2023-24
300.	Project Phase I	XPH507	2023-24
301.	Quantum Mechanics and Relativity	XPH601	2023-24
302.	Digital Electronics and Microprocessor 8085	XPH603	2023-24
303.	Elements of Modern Physics	XPH604A	2023-24
304.	Power Electronics	XPH604B	2023-24
305.	Astronomy and Astrophysics	XPH604C	2023-24
306.	Physics Practical - VI	XPH605	2023-24
307.	Project Phase II	XPH606	2023-24
308.	Communication Physics	XPH607	2023-24
309.	Aerospace Dynamics	YPH104B	2023-24
310.	Physics Linear and Non-linear Circuits	YPH104C	2023-24
311.	Quantum Mechanics	YPH202	2023-24
312.	Physics and Technology of Thin films	YPH205A	2023-24
313.	Thermodynamics and Statistical Mechanics	YPH303	2023-24
314.	Data Science for Physicist	YPH305A	2023-24
315.	Physics in IOT	YPH305B	2023-24
316.	Artificial Intelligence and Machine Learning	YPH305C	2023-24
317.	Advanced General & Electronics Laboratory	YPH306	2023-24
318.	Principles of Politics and Political Theory	XPS103	2023-24
319.	Comparative Government And Politics	XPS104	2023-24
320.	Political communication	XPS105	2023-24
321.	Elements Of Public Administration	XPS106	2023-24

322.	Foundations of the Indian Constitution	XPS107	2023-24
323.	Political Leadership	XPSE01	2023-24
324.	Western Political Thought	XPS203	2023-24
325.	International Relations	XPS204	2023-24
326.	Political Economy of India	XPSE02	2023-24
327.	Perspective on Human Rights	XPS205	2023-24
328.	Environment Politics	XPS206	2023-24
329.	Political Campaign & Marketing Strategies	XPS207	2023-24
330.	Elective-I		2023-24
331.	Communication for Social Work	YSW105	2023-24
332.	Rural Camp	YSW106	2023-24
333.	Elective-II		2023-24
334.	Foundation of Artificial Intelligence and Machine Learning for Social Work	YSW205	2023-24
335.	Life Skills for Social Work	YSW206	2023-24
336.	Professional Elective - I		2023-24
337.	Professional Elective - II	YSW302A	2023-24
338.	Elective-III		2023-24
339.	Elective-IV		2023-24
340.	Application of Data Analytics in Social Work	YSW304	2023-24
341.	Employability Skills for Social Workers	YSW305	2023-24
342.	Summer Internship Training	YSW306	2023-24
343.	Professional Elective - III		2023-24
344.	Professional Elective - IV	YSW402A	2023-24
345.	Professional Elective - V		2023-24
346.	Study Tour	YSW407	2023-24


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