

NEHRU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)



(Affiliated to Bharathiar University Accredited with "A+" Grade by NAAC,
ISO 9001:2015 (QMS) & 21001:2018 (EOMS) Certified, Recognized by UGC with 2(f) & 12(B),
Under Star College Scheme by DBT, Approved by AICTE, Govt. of India)
Nehru Gardens, Thirumalayampalayam, Coimbatore - 641 105, Tamil Nadu, India.
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Scheme of Examination

M. Sc. Data Science

Programme Code: MDT

(Applicable to the students admitted during the year 2025-2026 onwards)

	Subject Code	Name of the Subject	Instr uctio n hours /week	Durati on of Exami nation	Examination Marks			Cre dits
					C I A	ESE	Total	
I	23PGDTC101	Paper I : Data Analytics with R Programming	4	3	25	75	100	4
	23PGDTC102	Paper II : Advanced Database Management Systems	4	3	25	75	100	4
	24PGDTC103	Paper III: Descriptive Statistics	5	3	25	75	100	4
	23PGDTC101	Practical I : Data Analytics with R Programming	6	3	40	60	100	4
	23PGDTC102	Practical II : Advanced Database Management Systems	6	3	40	60	100	4
	24PGDTE101 / 23PGDTE102 / 24PGDTE103	Elective Paper – I	4	3	25	75	100	4
	25PGAHV201	Advanced Human Values and Professional Ethics	1	-	-	-	-	-
			30				600	24
II	24PGDTC204	Paper IV : Deep Learning for Data Science	4	3	25	75	100	4
	23PGDTC205	Paper V : Data Visualization Techniques using Tableau	4	3	25	75	100	4
	25PGDTC206	Paper VI: Linear Algebra	5	3	25	75	100	4
	25PGDTC207	Paper VII : Natural Language Processing	4	3	25	75	100	4
	25PGDTC203	Practical III : Deep Learning With Python	4	3	30	45	75	3
	25PGDTC204	Practical IV : Data Visualization using Tableau	4	3	30	45	75	3
	23PGDTE204 / 23PGDTE205 / 23PGDTE206	Elective Paper – II	4	3	25	75	100	4
	25PGDTONLC	Online Course	-	-	-	-	-	-
	25PGAHV201	Advanced Human Values and Professional Ethics	1	-	50	-	50	2
			30				700	28

III	23PGDTC308	Paper VIII : Information Retrieval Techniques	6	3	25	75	100	4
	23PGDTC309	Paper IX : Data Privacy and Security	5	3	25	75	100	4
	24PGDTC310	Paper X : Probability and Inferential Statistics	5	3	25	75	100	4
	23PGDTC305	Practical V : Exploratory Data Analysis	6	3	40	60	100	4
	23PGDTC306	Practical VI : Data Visualization using Power BI	6	3	40	60	100	4
	24PGDTC301	Internship	-	-	50	-	50	2
	25PGDTONLC	Online Course	-	3	-	-	100	4
	26PGCES302	Community Engagement and Social Responsibility	2	-	50	-	50	2
			30				700	28
IV	23PGDTC411	Paper XI: IoT Analytics	5	3	25	75	100	4
	25PGDTE407 / 25PGDTE408 / 25PGDTE409	Elective Paper – III	-	3	25	75	100	4
	23PGDTC401	Project Work and Viva - Voce	25	3	80	120	200	8
			30				400	16
Total							2400	96

Elective Paper - I Subjects	
Subject Code	Name of the Elective Subject
24PGDTE101	Principles of Data Science
23PGDTE102	Text Analytics
24PGDTE103	Artificial Intelligence for Data Science

Elective Paper - II Subjects	
Subject Code	Name of the Elective Subject
23PGDTE204	Web Analytics
23PGDTE205	Social Media Analytics
23PGDTE206	Business Intelligence

Elective Paper - III Self Study Subjects	
Subject Code	Name of the Elective Subject
25PGDTE407	Big Data Analytics
25PGDTE408	Nature Inspired Computing
25PGDTE409	Cloud Security

Self-Study Paper offered by Computer Science Department

S.No.	Semester	Course Code	Course Title
1	II, III & IV	23PGDSSS01	Cloud Computing
2		23PGDSSS02	Data Analysis using MS-Excel
3		23PGDSSS03	Optimization Techniques
4		23PGDSSS04	Distributed Computing
5		23PGDSSS05	Data Mining

Chairman
Board of Studies in Computer Science
Nehru Arts and Science College
Coimbatore

