



SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

An Autonomous Institute Affiliated to VTU, Belagavi

A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi
Approved by AICTE, New Delhi | Accredited by NAAC with 'A' Grade
Vishwothama Nagar, Bantakal – 574115, Udupi District, Karnataka



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Proposed Scheme of Teaching and Examinations w.e.f the academic year 2026-27

Program: B.E Artificial Intelligence and Data Science

Semester: 3

Sl. No.	Type of the course	Course code	Course title	Teaching & Paper Setting Department	Teaching & Learning Scheme					Examination				Credits
					CI		LI	TW & SL	TH/S	Duration in hours	CIE marks	SEE marks	Total marks	
					L	T	P							
1.	ASC	25MACC311	Probability, Distributions and Statistics	Mathematics	42	28	0	50	120	3	50	50	100	4
2.	IPCC	25CSIP320	Object Oriented Programming with Java	CS Allied	42	0	28	50	120	3	50	50	100	4
3.	PCC	25CSCC330	Digital Design and Computer Organization	CS Allied	42	28	0	50	120	3	50	50	100	4
4.	PCC	25CSCC340	Operating Systems	CS Allied	42	0	0	48	90	3	50	50	100	3
5.	PCC	25CSCC350	Data Structures and Applications	CS Allied	42	0	0	48	90	3	50	50	100	3
6.	PCCL	25CSCL360	Data Structures Laboratory	CS Allied	0	0	28	2	30	2	50	50	100	1
7.	AEC	25ADAE37x	Ability Enhancement Course - I	CS Allied	0	0	28	2	30	2	50	50	100	1
8.	SDC	25HUSE380	Community Project (Project-Based Learning)/Societal Project	CS Allied	0	0	0	30	30	2	50	50	100	1



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9.	NCMC	25HUNC391	National Service Scheme (NSS)	NSS Coordinator	0	0	0	28	28	---	100	---	100	PP
		25HUNC392	Physical Education (Sports and Athletics)	Physical Education Director										
		25HUNC393	Yoga	Yoga Trainer										
		25HUNC394	Music	Music Teacher										
10.	NCMC	25MANC300	Mathematics course for Lateral Entry Students-I	Mathematics	14	0	0	14	28	3	100	---	100	PP
Total											600	400	1000	21

Ability Enhancement Course - I			
25ADAE371	Exploratory Data Analysis	25ADAE372	Data Analytics with Excel
25ADAE373	Project Management (with Git)	25ADAE374	MERN



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Proposed Scheme of Teaching and Examinations w.e.f the academic year 2026-27

Program: B.E Artificial Intelligence and Data Science

Semester: 4

Sl. No.	Type of the course	Course code	Course title	Teaching & Paper Setting Department	Teaching & Learning Scheme					Examination				Credits
					CI		LI	TW & SL	TH/S	Duration in hours	CIE marks	SEE marks	Total marks	
					L	T	P							
1.	ASC	25MACC414	Discrete Mathematics and Optimization Techniques	Mathematics	42	28	0	50	120	3	50	50	100	4
2.	IPCC	25ADIP420	Design and Analysis of Algorithms	CS Allied	42	0	28	50	120	3	50	50	100	4
3.	PCC	25ADCC430	DBMS	CS Allied	42	28	0	50	120	3	50	50	100	4
4.	PCC	25ADCC440	Machine Learning	CS Allied	42	28	0	50	120	3	50	50	100	4
5.	PCCL	25ADCL450	Machine Learning Laboratory	CS Allied	0	0	28	02	30	2	50	50	100	1
6.	AEC	25ADAE46x	Ability Enhancement Course - II	CS Allied	0	0	28	02	30	2	50	50	100	1
7.	BSC	25HUCC471	Biology for Computer Engineers	Chemistry	28	0	0	32	60	3	50	50	100	2
8.	SDC	25HUSE480	Environmental Science Project	CS Allied	0	0	0	30	30	3	50	50	100	1
9.	NCCM	25HUNC410	National Service Scheme (NSS)	NSS Coordinator	0	0	0	28	28	---	100	---	100	PP
		25HUNC411	Physical Education (Sports and Athletics)	Physical Education Director										



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		25HUNC412	Yoga	Yoga Trainer										
		25HUNC413	Music	Music Teacher										
10.	NCMC	25MANC400	Mathematics course for Lateral Entry Students-II	Mathematics	14	0	0	14	28	---	100	---	100	PP
Total											600	400	1000	21

Ability Enhancement Course - II			
25ADAE461	Julia	25ADAE462	R Programming
25ADAE463	UI/UX	25ADAE464	DBMS Laboratory