

Vishwakarma Institute of Technology

Issue 1 : Rev No. 00: Dt: 03/07/26

FF No. 653_A

Title : Course Structure

Branch : CSE-DS

Year: SY

Academic Year : 2026- Semester: III

Module: 3

Pattern: 'A' 25

Level : 5

Level : 5																							
Course Code	NEP Course Category	Course Name	Teaching Scheme (Hrs/week)			Examination Scheme and Marks													Credits				
			Theory	Tutorial	Practical	CVV	CP	LAB/UT	GD/PT	HA	MSER (W)	MSER (I)	MSER (O)	ESER (I)	ESE (W)	ESE (O)	PRACT* CVV	ESE-Direct Evaluation	Theory	Tutorial	Practical	Total	
Semester III																							
DS2003	DC	FUNDAMENTALS OF DATA STRUCTURE AND ALGORITHMS	3	0	2		20											40		40	3	1	4
DS2004	DC	FUNDAMENTALS OF DATA SCIENCE	2	0	2		20	30	10									40			2	1	3
DS2005	DC	OBJECT ORIENTED PROGRAMMING	2	0	2		20	30	10									40			2	1	3
DS2006	DC	COMPUTER NETWORKS	2	0	2		20	30	10					40							2	1	3
MM0404	IEL	PROBABILITY AND STATISTICS	2	1	0		20	20					20	40							2		2
HS2002	IEL	FROM CAMPUS TO CORPORATE - I	2	0	0										50			50			2		1
HS2001	DC	REASONING AND APTITUDE DEVELOPMENT - I	1	0	0																1		1
DS2007	SM	DESIGN THINKING - I	0	1	0																		2
DS2008	SM	ENGINEERING DESIGN AND INNOVATION - I	0	0	4									30			70						2
Total			14	2	12		80	130	30	0	20	80	80	0	120	120	0	40	200	14	0	6	22

Abbreviations Used

PPT	Powerpoint Presentation
GD	Group Discussion
CVV	Comprehensive Viva Voce
LAB	Laboratory
TUT	Tutorial
CP	Course Project
PR	Practical
HA	Home Assignment
MSR	Mid Semester Examination
ESE	End Semester Examination
R/W/O	Review / Written/Online

BOS Chairman

Dean Academics

Title : Course Structure

Branch : CSE-DS

Year: IV Academic Year : 2026-27

Semester: I

Module: 5

Pattern: A-24

Level 5.5																						
Course Code	NEP Course Category	Course Name	Examination Scheme and Marks														Credits					
			Teaching Scheme (Hrs/Week)																			
			Theory	Tutorial	Practical	CVV	CP	LAB/T	GD/PPT	HA	MSE(V)	MSE(R)	MSE(O)	ESE(R)	ESE (V)	ESE (O)	PRACT+ CVV	ESE-Direct Evaluation	Theory	Tutorial	Practical	Total
Semester V																						
DS3201	PCC	DEEP LEARNING	3		2										40		60		3		1	4
DS3202	PCC	PROMPT ENGINEERING	2		2	20	30	10							40				2		1	3
DS3203A	PEC	CLOUD COMPUTING																				
DS3203B		SOFT COMPUTING																				
DS3203C		NATURAL LANGUAGE PROCESSING																				
ID3001		GAME DEVELOPMENT (INDUSTRY)	3		2	20	40			20	20								3		1	4
ID3002		MAINFRAME TECHNOLOGIES (INDUSTRY)																				
DS04COURSERA	PEC	PROGRAM ELECTIVE-2 (COURSERA)																				3
ID3004		MODERN INFRASTRUCTURE TECHNOLOGIES																				4
DS05COURSERA	OE	OPEN ELECTIVE-1 (COURSERA)																				
MM0402A	MDM	IOT AND SUSTAINABILITY																				
MM1501D		PRODUCT LIFE CYCLE MANAGEMENT (INDUSTRY)	2	1			30			20	10								2	1		3
DS3205	VSEC	DESIGN THINKING-3																				
DS3204	PEC	ENGINEERING RESEARCH AND INNOVATION-1													30		70					2
Total			10	1	6	40	100	10	40	30	0	30	0	70	120	0	60	300	10	1	3	24

Abbreviations Used

PPT	Powerpoint Presentation
GD	Group Discussion
CVV	Comprehensive Viva Voce
LAB	Laboratory
TUT	Tutorial
CP	Course Project
PR	Practical
HA	Home Assignment
MSQ	Mid Semester Examination
ESE	End Semester Examination
R AVO	Review After/AfterOnline

BOS
Chairman

Dean Academics