

VIDHYADEEP UNIVERSITY
PROPOSED TEACHING SCHEME FOR B.TECH. COURSE
COMPUTER ENGINEERING

SEMESTER / YEAR		BE - 2 SEM - 3																		
Sr. No.	Subject Code	Subject Name	Sub. Category	No. of Div.	No. of Batch	Teaching Scheme (Hrs/Week)					Total TH+TUT Load	Total PR Load	Total Load	Examination Scheme					Total Marks	
														External Marks		Internal Marks				
						L	T	P	Total	Credit				TH	PR	FA	CAT	CAP		
1		APPLIED MATHEMATICS FOR COMPUTER ENGG. - I	BSC - IV	1	3	3	2	0	5	5				60	0	0	40	0	100	
2		CONSTITUTION OF INDIA	MC-IV	1	3	2	0	0	2	0				0	0	30	70	0	100	
3		MEDIA CULTURE AND SOCIETY	HSMC-III	1	3	3	0	0	3	3				0	0	30	70	0	100	
4		DIGITAL FUNDAMENTAL	ESC	1	3	3	0	0	3	3				60	0	0	40	0	100	
5		DIGITAL FUNDAMENTAL LAB	ESC-LAB	1	3	0	0	2	2	1				0	0	30	70	0	100	
6	STUDENT HAS TO MANDATORILY CHOOSE MINIMUM THREE SUBJECTS FROM SUBJECT POOL (B) ALONG WITH IT'S LABORATORY SUCH THAT CREDIT IN A SEMESTER DOES NOT EXCEED 25 & WEEKLY TEACHING LOAD SHOULD NOT EXCEED 30 HRS**																			
7																				
8																				
9																				
Total				1	3	11	2	2	15	12	13	6	19	120	0	90	290	0	500	

SEMESTER / YEAR		BE - 2 SEM - 4																		
Sr. No.	Subject Code	Subject Name	Sub. Category	No. of Div.	No. of Batch	Teaching Scheme (Hrs/Week)					Total TH+TUT Load	Total PR Load	Total Load	Examination Scheme					Total Marks	
														External Marks		Internal Marks				
						L	T	P	Total	Credit				TH	PR	FA	CAT	CAP		
1		APPLIED MATHEMATICS FOR COMPUTER ENGG. - II	BSC - V	1	3	3	2	0	5	5				60	0	0	40	0	100	
2		UHV - II	HSMC - IV	1	3	2	1	0	3	3				0	0	30	70	0	100	
3		CYBER SECURITY	MV-IV	1	3	2	0	0	2	0				0	0	30	70	0	100	
4	STUDENT HAS TO MANDATORILY CHOOSE MINIMUM THREE SUBJECTS FROM SUBJECT POOL (B) ALONG WITH IT'S LABORATORY SUCH THAT CREDIT IN A SEMESTER DOES NOT EXCEED 25 & WEEKLY TEACHING LOAD SHOULD NOT EXCEED 30 HRS**																			
5																				
6																				
Total				1	3	7	3	0	10	8	10	0	10	0	0	60	180	0	300	

THE SUBJECT POOL (B)																			
Sr. No.	Subject Code	Subject Name	Sub. Category	No. of Div.	No. of Batch	L	T	P	Total	Credit	Total TH+TUT Load	Total PR Load	Total Load	TH	PR	FA	CAT	CAP	Total Marks
1		Data Structure	PCC - 1	1	3	3	0	0	3	3				60	0	0	40	0	100
2		Data Structure Lab	PCC - LC - 1	1	3	0	0	2	2	1				0	30	0	0	20	50
3		DATABASE MANAGEMENT SYSTEM	PCC - 2	1	3	3	0	0	3	3				60	0	0	40	0	100
4		DATABASE MANAGEMENT SYSTEM LAB	PCC - LC - 2	1	3	0	0	2	2	1				0	30	0	0	20	50
5		OBJECT ORIENTED PROGRAMMIN WITH JAVA	PCC - 3	1	3	3	0	0	3	3				60	0	0	40	0	100
6		OBJECT ORIENTED PROGRAMMIN WITH JAVA LAB	PCC - LC - 3	1	3	0	0	2	2	1				0	30	0	0	20	50
7		PYTHON FOR DATA SCIENCE	PCC - 4	1	3	3	0	0	3	3				60	0	0	40	0	100
8		PYTHON FOR DATA SCIENCE LAB	PCC - LC - 4	1	3	0	0	2	2	1				0	30	0	0	20	50
9		Operating System	PCCM - 5	1	3	3	0	0	3	3				60	0	0	40	0	100
10		Operating System Lab	PCC-LC - 5	1	3	0	0	2	2	1				0	30	0	0	20	50
11		COMPUTER ORGANIZATION AND ARCHITECTURE	PCC - 6	1	3	3	0	0	3	3				60	0	0	40	0	100

12		COMPUTER ORGANIZATION AND ARCHITECTURE LAB	PCC-LC - 6	1	3	0	0	2	2	1				0	30	0	0	20	50		
13		MACHINE LEARNING	PCC - 7	1	3	3	0	0	3	3				60	0	0	40	0	100		
14		MACHINE LEARNING LAB	PCC - LC - 7	1	3	0	0	2	2	1				0	30	0	0	20	50		
15		COMPUTER NETWORK	PCC - 8	1	3	3	0	0	3	3				60	0	0	40	0	100		
16		COMPUTER NETWORK LAB	PCC - LC - 8	1	3	0	0	2	2	1				0	30	0	0	20	50		
17		ANALYSIS AND DESIGN OF ALGORITHM	PCC - 9	1	3	4	0	0	4	4				60	0	0	40	0	100		
18		ANALYSIS AND DESIGN OF ALGORITHM-LAB	PCC - 10	1	3	0	0	2	2	1				0	30	0	0	20	50		
Total						1	3	28	0	18	46	37	28	54	82	480	240	0	320	160	1200
PROFESSIONAL ELECTIVE - 1																					
1		SOFTWARE ENGINEERING	PE-1			3	0	0	3	3				60	0	0	40	0	100		
2		SOFTWARE ENGINEERING LAB	PE-LC-1			0	0	2	2	1				0	30	0	0	20	50		
3		COMUTER GRAPHICS	PE-1			3	0	0	3	3				60	0	0	40	0	100		
4		COMUTER GRAPHICS LAB	PE-LC-1			0	0	2	2	1				0	30	0	0	20	50		
PROFESSIONAL ELECTIVE - 2																					
1		ADVANCED JAVA PROGRAMMING	PE - 2			3	0	0	3	3				60	0	0	40	0	100		
2		ADVANCED JAVA PROGRAMMING LAB	PE -LC- 2			0	0	2	2	1				0	30	0	0	20	50		
3		COMPUTER VISION	PE - 2			3	0	0	3	3				60	0	0	40	0	100		
4		COMPUTER VISION LAB	PE -LC- 2			0	0	2	2	1				0	30	0	0	20	50		
5		IMAGE PROCESSING	PE - 2			3	0	0	3	3				60	0	0	40	0	100		
6		IMAGE PROCESSING LAB	PE - LC-2			0	0	2	2	1				0	30	0	0	20	50		
PROFESSIONAL ELECTIVE - 3																					
1		WEB PROGRAMMING	PE - 3			2	0	0	2	2				60	0	0	40	0	100		
2		WEB PROGRAMMING LAB	PE - 3			0	0	4	4	2				0	30	0	0	20	50		
3		FULL STACK DEVELOPER	PE - 3			2	0	0	2	2				60	0	0	40	0	100		
4		FULL STACK DEVELOPER LAB	PE - 3			0	0	4	4	2				0	30	0	0	20	50		
PROFESSIONAL ELECTIVE - 4																					
1		DATA MINING	PE - 4			3	0	0	3	3				60	0	0	40	0	100		
2		DATA MINING LAB	PE-4			0	0	2	2	1				0	30	0	0	20	50		
3		.NET PROGRAMMING	PE-4			3	0	0	3	3				60	0	0	40	0	100		
4		.NET PROGRAMMING LAB	PE-4			0	0	2	2	1				0	30	0	0	20	50		
PROFESSIONAL ELECTIVE - 5																					
1		INFORMATION SECURITY	PE-5			3	0	0	3	3				60	0	0	40	0	100		
2		INFORMATION SECURITY LAB	PE-5			0	0	2	2	1				0	30	0	0	20	50		
3		BIG DATA ANALYSIS	PE-5			3	0	0	3	3				60	0	0	40	0	100		
4		BIG DATA ANALYSIS LAB	PE-5			0	0	2	2	1				0	30	0	0	20	50		
PROFESSIONAL ELECTIVE - 6																					
1		NATURAL LANGUAGE PROCESSING	PE - 6			3	0	0	3	3				60	0	0	40	0	100		
2		NATURAL LANGUAGE PROCESSING LAB	PE - 6			0	0	2	2	1				0	30	0	0	20	50		
3		VIRTUAL REALITY	PE - 6			3	0	0	3	3				60	0	0	40	0	100		
4		VIRTUAL REALITY LAB	PE - 6			0	0	2	2	1				0	30	0	0	20	50		
OPEN ELECTIVE - 1 (INTER DEPARTMENT)																					
1		Introduction to Electrical Vehical	OE - 1			3	0	0	3	3				60	0	0	40	0	100		
2		Non conventional source	OE - 1			3	0	0	3	3				60	0	0	40	0	100		
OPEN ELECTIVE - 2 (INSTITUTE)(common to all)																					
1		Entrepreneurship and Innovation management	OE - 2			3	0	0	3	3				60	0	0	40	0	100		
2		Innovation and startup Policy	OE - 2			3	0	0	3	3				60	0	0	40	0	100		
3		Fundamental of Management	OE - 2			3	0	0	3	3				60	0	0	40	0	100		
4		CSR	OE - 2			3	0	0	3	3				60	0	0	40	0	100		
5		Life Skill	OE - 2			3	0	0	3	3				60	0	0	40	0	100		
6		Biology for engineers	OE - 2			3	0	0	3	3				60	0	0	40	0	100		

7		entrepreneurship and ecommerce solution	OE - 2			3	0	0	3	3				60	0	0	40	0	100
OPEN ELECTIVE - 3																			
1		Introduction of Block Chain	OE - 3			2	0	0	2	2				60	0	0	40	0	100
2		Introduction of Block Chain LAB	OE-3-LAB			0	0	2	2	1				0	30	0	0	20	50
3		Mobile Application Development	OE - 3			2	0	0	2	2				60	0	0	40	0	100
4		Mobile Application Development LAB	OE-3-LAB			0	0	2	2	1				0	30	0	0	20	50
5		Data Visualization	OE - 3			2	0	0	2	2				60	0	0	40	0	100
6		Data Visualization Lab	OE-3-LAB			0	0	2	2	1				0	30	0	0	20	50
7		Real time operating system and Apps	OE-3			2	0	0	2	2				60	0	0	40	0	100
8		Real time operating system and Apps LAB	OE - 3-LAB			0	0	2	2	1				0	30	0	0	20	50
OPEN ELECTIVE - 4																			
1		DIGITAL FORENSICS	OE - 4			2	0	0	2	2				60	0	0	40	0	100
2		DIGITAL FORENSICS LAB	OE - LC-4			0	0	2	2	1				0	30	0	0	20	50
3		Android Programming	OE - 4			2	0	0	2	2				60	0	0	40	0	100
4		Android Programming Lab	OE - LC-4			0	0	2	2	1				0	30	0	0	20	50

1		IOT & Application	OE - 2			3	0	0	3	3				60	0	0	40	0	100
2		IOT & Application Lab	OE - LC-2			0	0	2	2	1				0	30	0	0	20	50
3		Data Visualization	OE - 2			3	0	0	3	3				60	0	0	40	0	100
4		Data Visualization Lab	OE - LC-2			0	0	2	2	1				0	30	0	0	20	50
1		IOS Programming	OE - 4			4	0	0	4	3				60	0	0	40	0	100
2		IOS Programming Lab	OE - LC-4			0	0	2	2	1				0	30	0	0	20	50
3		Android Programming	OE - 4			3	0	0	3	3				60	0	0	40	0	100
4		Android Programming Lab	OE - LC-4			0	0	2	2	1				0	30	0	0	20	50