

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

SEMESTER / YEAR		BE - 3 SEM - 5																		
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						
						L	T	P	Total	Credit				External Marks		Internal Marks			Total Marks	
														TH	PR	FA	CAT	CAP		
1		PROFESSIONAL ELECTIVE - 1	PE - 1	1	3	3	0	0	3	3				60	0	0	40	0	100	
2		PROFESSIONAL ELECTIVE -1 LAB	PE - LC-1	1	3	0	0	2	2	1				0	30	0	0	20	50	
3		OPEN ELECTIVE - 1	OE - 1	1	3	3	0	0	3	3				60	0	0	40	0	100	
5		STUDENT HAS TO MANDATORILY CHOOSE MINIMUM TWO 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**																		
6																				
Total						6	0	2	8	7	0	0	0	120	30	0	80	20	250	

SEMESTER / YEAR		BE - 3 SEM - 6																	
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					
						L	T	P	Total	Credit				External Marks		Internal Marks			Total Marks
														TH	PR	FA	CAT	CAP	
1		PROFESSIONAL ELECTIVE - 2	PE - 2	1	3	3	0	0	3	3				60	0	0	40	0	100
2		PROFESSIONAL ELECTIVE - 2 LAB	PE - LC-2	1	3	0	0	2	2	1				0	30	0	0	20	50
3		PROFESSIONAL ELECTIVE - 3	PE - 3	1	3	2	0	0	2	2				60	0	0	40	0	100
4		PROFESSIONAL ELECTIVE - 3 LAB	PE - LC-3	1	3	0	0	4	4	2				0	30	0	0	20	50
5		OPEN ELECTIVE - 2	OE - 2	1	3	3	0	0	3	3				60	0	0	40	0	100
6		OPEN ELECTIVE - 3	OE - 3	1	3	2	0	0	2	2				60	0	0	40	0	100
7		OPEN ELECTIVE - 3 LAB	OE-LC-3	1	3	0	0	2	2	1				0	30	0	0	20	50
8		THEORY OF COMPUTATION	PCC-11	1	3	4	1	0	5	5				60	0	0	40	0	100
9		MICROPROCESSOR AND INTERFACING	PCC-12	1	3	3	0	0	3	3				60	0	0	40	0	100
10		MICROPROCESSOR AND INTERFACING LAB	PCC-LC-12	1	3	0	0	2	2	1				0	30	0	0	20	50
Total				1	3	17	1	10	28	23	18	30	48	360	120	0	240	80	800

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		Introdution 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		Enterpreneourship 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		entreprenourship 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