; P		Department:	Computer Ergs Subject C	PUC		
Cal	ngra	Course Disloma Duration 03 years				
YLLABUS OVERAGE		Total Periods 56 (7),56(p) Theory 7=56, Tonic Petalls Instruction Additional				
5. No	D	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
	1-7	Inim. to Arogramming	Program Design Tools: Algorithms, Flowcharls, Pseudocode, Evolution of Programming languages, Programmen Terminology- Program, Campiler, Interpress Linker, Source Code, Libraries, Syntax and Samanic Exox, Bugs.	7		
2	8-16	Introto Clarguage	Boref tristery of a language. Features of a language. Character Set Identifier, Keyboards, Literals, Variables, Constants, Structure of a C program, Commonts, Prepreser			
3,	17-23	Input pulput	Type casting, storage Classes,	e		

:	Period Nos.	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
4.	24-31	Operators.	Arthmatios, Relationals, Logica	e		
	•		Brivise, Assignment Conduto Special. Expressors Associal and order of Precedence of operators.	nety		
٠.	32-41	Flow Control Statements	selection statements:			
,	32-47	Statements	If, if else Nesteel-if			•
			It. letter Switch-care.			
	Y 1 1		Jump staleneal goto.	*	<u></u>	
			Jump stalement: goto, Break continues, returns Nesteel losp. Infinile loop			
	2-50	Array Structure	Array Memay represent	a.	4	
		Unionarel Pointle	one-dim, two-dim.			
		A CONTRACTOR OF STREET	Deciarin and are incoming			
			Esrum evation, Storings Constant	45		
			stands shipfunction			
	7 7		stron(), storen(), stromp()			
			Strapy(), Strat(),			7.4

Period No.

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Reference

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Function prototype, Fermal actual

porameters, Function Call, Call by value.

Oral Call by reference. Array as

Function Arguments, Recursion.

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e additional sheets (if required).

G P Kangra SYLLABUS COVERAGE		Department:	Comb. Engg. Subject 05	13=	
			ourse_ Obloma Duration_ 3 years		
		Annual Control of the	04/week Theory 56		
Sr. No.	Period Nos.	Topic	Details Instruction Reference Study Recommended	Remark	
	1-10	Unit-1 Covernew	Objectives & Fren's of OS, OS Modern OS by Evolution - Batch processing Andrew S. Tanent Sys., Hultiprogramming of Andrew S. Tanent Sys., Time streeting Systems, Personal Compoos, Handheld		
	P	os)	Comp. sys., Real time sys., Unum with OS a Distributed sys., OS Arch. Minolithic VS Microkernel. Chapman 4 hal	mebs.	
2.		11 11 - 9	Process, Process states, Process Life cycle, PCB, Threads, Hulti- threading, Inter-process comm,		
	11-20	C Processes	Condition, Critical Section prob do _	_	
		fivilenes)	Characterization, necessary Characterization, necessary Conditions, deadlock avoidance, Prevention & reconsey		
			Con schodulus Pre-embtine		
2	1-31)nit-3	from-preemptive scheduling, Scheduling Criteria-CPU Scheduling Criteria-CPU Utilization, Throughput7 Turnaround time, waiting time, Response time, Scheduling		
	હ	cheduliny	Ango-FCFS, Shortest John first, Shortest rumarky me first, Privity Scheduling Round rubin, Mulh processor		

Sr. No.	Period Nos.	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
4	32-42	Orit-4 (Memory Mgmt)	Memory literarchy, address Space, address toanslation Memory projection, Swapping Configuous Mem. allocation Fried partitions Varsiable partitions Schemes, Mem. Allocation Stoal Schemes, Mem. Allocation, No	160	-do —	
	orda sin	20 Install	Configuous rum allocation, po Configuous rum allocation, po Segmentation, Vintralmen, demand paying, Thoushing, page ruplement policies.	igny	()	
5	43-49	Unit-5	Shoage denices-Magnetic tape Magnetic disks, Optical disks, fl Shrage, sequents of Admiet according disk Schedulig SCAN, CSCAN	ردو	-do -	
	50-56	Unit-6 Linux 03)	Features, GNU Project, Linux A- kund, System Calls Interface, Sys- Ubsarves, Stiell.	rch _	_ do	

Sr. No.	Period No.	Topic Covered	Additional Study recommende d	Remar ks
		and the second and the second		
		Variable of Control of the Control o	15,1	3

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	Date	Principal Sign	rich.
Use additional sheets	s (if required).	O. J.	

G	$\overline{\mathbf{P}}$	Department:	Comb. Engg. Subject_	Mep I	Echno-Lugy	4-
Ka	ingra	Course _ D	Duration Duration	1 3 Ye	2926	
SY	LLABUS VERAGE	Total Periods _	42 Theory 42			
Sr. No.	Period Nos.	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
1.	1-8	Antronet and WWW	Boiet history of internet, Structured of internet, Structured applications, different services applications, different ways to comment to internet, common internet issues, WWW. HTTP, Netwook Protocol, browser, with application, Hypertat, Myles Search engine, URL, DMS	T S T	h t.	
2.	9-16	HTML 5	HTML coding conventions, HTML Tag, Structure of HTML, GKbal attributes, Structure of WAB page and attributes, HTML comments on M.	M. M.	Tutoriale.	* * * * * * * * * * * * * * * * * * *
3.	17-26	HTML Basic Elements.	Heading hI—h6, <p7, <pre=""> <cody, <vgr="" kq7,="">, ordered and unordered list, ordered of list eliments, Nested list cha7, <ha>, <ha>, <ba>, <ba>, <ba>, <ba>, <ba>, <ba attributed="" boxdor,="" cellipadding,="" cellipant="" collipadding="" collipadding,="" collipadding<="" like="" rowsfron="" table="" td=""><td>Wign and Bull</td><td>w, woschoole. On</td><td></td></ba></ba></ba></ba></ba></ba></ha></ha></cody,></p7,>	Wign and Bull	w, woschoole. On	
ч.	27-32	eloments	Block and inline elements div > < span>, identifying elements like id, class an name attabates > < if transports , HTML 5 spanatic aliments ,	g wobsites	4- HTML &	
5.	33-40	Cascading Style Sheets,	CSS types, < style> on Link> elements, CSS outs Selecture, CSS box model, CSS colors,	40%	SSS	a .

Sr. No.	Period Nos.	Торіс	Details	Instruction Reference	Additional Study Recommended	
			setting color of text, styling text, css Layout, styling tables, basic animations using css, css Psauda elements and psaudo dasse			
00	41-48	Javascoipt	Role of jara script in web page, embedding Js in webpage, Jara Souff variable Js offerators Control statement	A		·
	709		elements with to Builting		e 4	# # # # # # # # # # # # # # # # # # #
	,		defined functions.		er plan	

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			De .		1.5

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Ka	ngra	Course	Diploma Duration	6 m	onths	
	LABUS VERAGE	Total Periods	42 Theory 4	2(T)		
Sr. No.	Period Nos.	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
1			Functional Units of			
		Subcoduction	Digital Conjuter,			
	420		Computer Design, Computer Design, Computer Architecture Um-Neumann & Har Veved Architectures Bus Tuter connection Evolution of Micro Processors, Concepted	System Archit	wzschool	
2		Unit-2: Overviewof Digital Electronic	rocontroller & fub -edded Bystems. Number Systems:	Hylora Hans		

Sr. No.	Period Nos.	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
3		Unit-3 Digital	Acidhmetic: Addition Subtraction. Bundry Acidhmetic using Point Acidhmetic using Point Numbers. Completer Codes: BCD, EBCD IC ASCII. Multiplication Algo. — How implementation for Signed Magnitude Data, Booth Multiplication Algo. Gates: Symbol Logic Gates: Symbol Log	-do	LAps.11. w.ww.	

Sr. No.	Period No.	Topic Covered	Instructio n Reference	Additional Study recommende d	Remar ks
		artal of iterateric than a second of the sec	Marine Sanice	103	
		The state of the s			

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							Sr. No.	Period Nos.	Topic	Details Instruction Reference Study Recommended	Remarks
										Booloan Algebra, logic Diagram, De Horg -ans Theorem, Combi- national Circuits: Block Diagrams, Half Adder	1
			Fill Adder, Plip Blog. 3R, D, JK. Example of Computers a séquential circuit.								
4		Basic mech	Basic features of Archite letters 8085 nicroprocessor two Block Diagram of 8085 by								
		Hieroprocos	- Lons of various St- M. Hotels com - ochs, Concept of Burs M. Hotels com Bus Multiplexing& Mang.	3							
5.		Onit-5: Contral, Brocersing Cenit.	De-vultiplescing, Status flogs, Address -ing Modesly Interrupts Major Components of CPU, General Register Organization Control word, Hack Organization-Register								

Sr. No.	Period Nos.	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
		1.0	and Memory stack Rev. erse Polish Noscation &		(2)	
	-	414	Evaluate of Arthurstic			
			Exp", Thisty formals-			
		440	3,2,1,0 Addres Ind's RISC & CIS Coleccesors.			
			RISC & Cls Collections. Parallel Receiving & lipelining.			
			lipelining.			
6		Conit 6:	Components of Henory	Da-		
		Memory	on & Auxilliary wewery			
		0	Associative memory			
			Hit Ration: Weste Through			
			1/0 Interface - I/O vers	us		
			Memory Bis, Isolated of	3		

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	•		The state of the s			

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