DEPARTMENT OF COMPUTER APPLICATIONS

LESSON PLAN

2020-2021

TEACHING PLAN

PROGRAMME : UG - BCA

PROGRAMME CODE : 09

SEMESTER : VI

COURSE NAME : KNOWLEDGE BASED SYSTEM

COURSE CODE : UECAC17

HOURS : 5 Hours / Week

COURSE COORDINATOR : MS. ANITA MADONA M.

MONTH	CLASS HOURS	PORTIONS TO BE COVERED	REFERENCE	PLATFORM
JANUARY	I	What is AI ? History of AI	Stuart Russell	Black Board & Google Meet, Google Classroom
	II	Intelligent Agent	Stuart Russell	
	III	Agent & Environment - Good behaviour		

MONTH	CUMULATIVE HOURS	UNIT	PORTIONS TO BE COVERED	REFERENCE	PLATFORM / TEACHING METHODOLOGIES USED
	IV (5 HRS)		Problem Solving Agent	Stuart Russell	
		I	Uninformed Search Strategies	AI - A Modern Approach	Black Board & chalk Talk
February	I 5 Hours	II	Informed Search Strategies - Greedy Best First Search - A* search		
	II (5 HRS)	II	Hill climbing search - Genetic Algorithms -	AI - A Modern Approach - Stuart Russell	Black Board & Google classroom
	III (5 HRS)	II	Local Search in continuous space (CSP) -	AI - A Modern	Lecture &
	IV (5 HRS)		Backing Tracking Search CSP	Approach - Stuart Russell	Interactive method
		III	Logical Agents - Knowledge based Agent	"	"
MARCH	I		**I CA** Examination		
	II (5 HRS)	III	Logic - Propositional Logic - Reasoning Patterns in propositional logic	AI - A Modern Approach - Stuart Russell	Lecture Method
	III (5 HRS)	III	Syntax and Semantics of first order Logic	Stuart Russel	Interactive Lecture Method
	IV (5 HRS)	IV	Learning from Observation - Forms of Learning - Inductive Learning	AI - A Modern Approach - Stuart Russell	Black Board chalk & Talk
MARCH & APRIL	V & I (3 HRS)	IV	Explanation Based Learning - Learning using Revelant Information	AI - A Modern Approach - Stuart Russell	Lecture Method
APRIL	II (3 HRS)	IV	Inductive Logic Programming	"	Interactive Teaching Method
	III (5 HRS)	V	Communication - Communication as Action	AI - A Modern Approach - Stuart Russell	Lecture Method
	III & IV		**II** CA Examination		
	IV (4 HRS)	V	Formal Grammer for a fragment of English - Syntatic Analysis - Augmented Grammer	AI - A Modern Approach - Stuart Russell	Interactive Teaching
	V (5 HRS)	V	Semantic Interpretation - Ambiguity and Disambiguation	AI - A Modern Approach - Stuart Russell	Interactive Teaching

TEACHING PLAN

PROGRAMME : UG - BCA

PROGRAMME CODE : 09

SEMESTER : IV

COURSE NAME : PYTHON

COURSE CODE : UCCAM19

HOURS : 4 Hours/Week

COURSE COORDINATOR : MS. ANITA MADONA M.

WEEK/ DATE	NO. OF HOURS	UNIT	Topics	Teaching Methodology & Platform	Learning Resource
I 04.01.2021 to 09.01.2021	4 Hours	I	Computer System - Python Programming Language - Computational Thinking	Google Meet, Google classroom.	Introduction to computing using Python
II 11 Jan to	4 Hours	I	Python Data Types - Expressions, variables	Google Meet, Google	Introduction to

23 Jan			and assignments - Strings - List	Classroom	Computing using Python
IV 18 Jan to 23 Jan	4 Hours	I & II	Object & classes - Python Standard Library - Imperative Programming	Google Meet & Google classroom.	Intro. to Computing using Python
IV 25 Jan to 30 Jan	4 Hours	II	Python Modules - Print() function - Functional Eval()	Google Meet & Google classroom	Intro. to Computing using Python
I 01 Feb to 06 Feb	4 Hrs	II	Execution Control Structures - User Defined Functions -	Google Meet & Google classroom.	Intro. to computing using Python.
II 08 Feb to 12 Feb	4 Hrs	II	Python variables - Assignment parameter passing	Google Meet & Google classroom	Intro. to Computing using Python
III 15 Feb to 20 Feb	4 Hrs	III	Text Data, Files and Exceptions - Strings Revisited - Formatted Output	Google Meet & Google classroom	Intro. to computing using Python
IV 22 Feb to 27th Feb	4 Hrs	III	Strings Revisited - Formatted Output.	Google Meet, Interactive Teaching	Intro. to computing using Python.

Weeks/ Date	No. of Hours	Unit	Topics	Teaching Methodology & Platform	Learning Resources
March I Week	—	-	I CA Examination		
II 8.03.2021 to 12.03.2021	4 Hrs	III	Errors and Exception - Control Structures	Black Board & Google classroom	Introduction to Computing using Python
III 15.03.2021 to 20.03.21	4 Hrs	IV	Decision Control & the If statement	Interactive Lecture & Google Meet	Int'n. to Computing using Python
IV 22.03.2021 to 27.03.2021	4 Hrs	IV	Containers and Randomness.	Interactive Lecture Method.	Int'n to computing using Python
I 29.03.2021 to 31.03.201	4 Hrs	IV	Dictionaries - Other Built-in Containers Types.	Google Meet & Google classroom, Interactive Lecture	Int'n to computing using Python
II 05.04.21	4 Hrs	IV	Character Encoding and Strings - Module	Black Board &	Int'n to computing

to 09.04.21			Random.	Interactive lecture using python	
III 12.04.2021 to 15.04.2021	3 Hrs	V	For Loop & Iteration Patterns – 2d list – While Loop	Interactive lecture & Google classroom	4
III	–	–	II CA Examination		
IV 26.04.2021 to 30.04.2021	4 Hrs	V	More Loop patterns – Additional Iteration – control statements Name spaces – Encapsulation in function		
I 03.05.2021 to 08.05.2021	4 Hrs	V	Global vs Local Namespaces – Exceptional Flow control – Modules as Namespaces.		

LESSON PLAN

Programme	B.C.A.
Programme Code	09
Semester	VI
Course	DATA MINING
Course Code	UECAE17
Hours	5
Credits	5
Total Hours	75
Maximum Marks	100 [Sem+CA]
Staff Incharge	Ms. Sivaranjini N.

Week	Portions to be Covered	Reference	LMS Platform
Jan I	Basic Data Mining Tasks Data Mining Vs Knowledge Discovery in Data bases	Margaret H. Dunham Data Mining	Google Meet
II	Data Mining Issues, Data Mining Metrics, Social Implications of Data Mining	Margaret H. Dunham	Google Meet
III	Data Mining from a Data base perspective, Introduction, A Statistical perspective on Data Mining	Margaret H. Dunham Data Mining	Google Meet
IV	Similarity Measures, Decision Trees - Neural Networks, Genetic Algorithms	online Reference	Google Classroom
Feb I	Classification, statistical based Algorithms - Distance based Algorithms	Margaret H Dunham Data Mining	Chalk & Talk method
II	Distance Decision Tree, Neural Network, Algorithms	Online Reference	Lecture Method
III	Rule based Algorithms, Combining Techniques	Margaret H Dunham Data Mining	Lecture Method
IV	I CA.		
Mar I	clustering, Similarity and distance measures, Outliers, Hierarchical algorithms	Margaret H Dunham	classroom

Week	Portions to be covered	Reference	LMS Platform
Mar II	Partitional Algorithms, Association rules, Large Item sets, Basic algorithms	Margaret H Dunham Data Mining	Lecture Method
III	Parallel and Distributed algorithms, Advanced Association rules, Web mining	Margaret H Dunham Data Mining	Google Meet
IV	Spatial Mining, Generalization and specialization, Spatial classification Algorithm.	Internet Reference	chalk & talk
Apr I	II CA		
II	Temporal Mining, Modeling temporal events, Time series	Margaret H Dunham Data Mining	Lecture Method
III	Pattern recognition, detection.	Margaret H Dunham Data Mining	Google Meet
IV	Sequences, Temporal Association rules Revision	Online PPT	Lecture Method

LESSON PLAN

Programme	B.C.A
Programme code	09
Semester	IV
Course	Operating Systems
Course code	UCCAN19
Hours	4+2
Credits	4
Total Hours	60
Maximum Marks	100 [Sem+CA]
Staff Incharge	Mr. Sivaranjani N

Week	Portions to be covered	Reference	LMS Platform
Jan I	UNIX introduction, Brief History, Components Architecture, Features of UNIX Basic commands	Introducing UNIX System V - Rachel Morgan Henry Mcgilton	Google meet
II	Directory and File Commands : Pwd, ls, cd, cp, mkdir, chmod	online reference Https://www.howtogeek.com	Demonstration
III	Full and Relative Pathnames, File and Directory, while, wild card characters ? * [] -	Introducing UNIX system V - Rachel Morgan Henry McGilton	Google meet, Demonstration

Week	Portions to be covered	Reference	Platform
Jan IV	Ownership and Permission chmod, chgrep, chown	Unix and shell programming M.G. Venkatesh murthy	Google meet Demonstration
Feb I	shell programming Naming shell programs, shell variables and Arguments.		Google Meet
II	Command line arguments, Looping and conditional Execution If..else, while, for, until, case statements.	Online Reference. https://www.linuxtechi.com/command-line-arguments-in-linux-shell-script/	Demonstration
III	break and continue, True and false statements.	online Reference	UNIX Demonstration
IV	I CA		
Mar I	System calls, Types of system calls, Process Management, Process Concepts, Inter process Communication	Silberschatz Galvin - operating System principles	Lecture Method
II	Multithreading Models, Process scheduling, Scheduling Criteria, Dead Lock Characterization, Avoidance	Silberschatz Galvin - Operating System principles	Lecture Method
III	Memory Management, Memory allocation, Paging, Virtual memory, demand paging	Silberschatz - operating System principles	Lecture Method

Week	Portions to be covered	Reference	LMS platform
Mar IV	Replacement, paging, Thrashing	Silberschatz Galvin - Operating system principles	Chalk & talk method
Apr I	II CA		
II	File system, file concept, Access Methods, Directory structure	Silberschatz Galvin - Operating system principles	Lecture method
III	Implementing file systems, File system structure, Disk structure, Disk scheduling	Silberschatz Galvin - Operating system principles	Lecture method
IV	Revision		

LESSON PLAN

PROGRAMME : UG - BCA

PROGRAMME CODE : 09

SEMESTER : II

COURSE : Python

COURSE CODE : UCCAD20

HOURS : 4

CREDITS : 4

TOTAL HOURS : 60

MAX. MARKS : 100

COURSE INSTRUCTOR / COURSE COORDINATOR : R. SHOBANA

Month	Week	Portions to be Covered	Reference	Platform (Lms)
JANUARY	1	Introduction – Computer Systems Python programming Language.	Martin C. Brown Python - The Complete reference	Google meet, Google classroom
		Computational Thinking, python data types.	Martin C. Brown Python - The Complete reference	Google meet, Google classroom
		Expressions, Variables and Assignments.	Martin C. Brown Python - The Complete reference	Google meet, Google classroom
	2	Strings - string and Indexing operator. Lists - operators and methods.	Martin C. Brown Python - The Complete reference	Google meet, Google classroom
		Objects and classes object type, operators, Implicit and Explicit type Conversion.	Martin C. Brown Python - The Complete reference	Google meet, Google classroom.

Month	Week	Portions to be Covered	Reference	Platform (LMS)
	1	Python Standard library - Module math - Module fraction	Martin C. Brown Python - The Complete reference	Blackboard Google meet, Google Classroom
FEBRUARY	2	Imperative programming Python programs. Python Modules - print() Built in function print() Interactive input - input() Function - functional Eval() - Sample program.	Martin C. Brown Python - The Complete reference	Blackboard Google meet, Google Classroom
	3	Execution Control Structures - One way decisions - Two way decisions, Iterative, Nesting, Range() User defined functions - print() Versus return. - Docstrings	Martin C. Brown. Python - The Complete reference Martin C. Brown - The Python - Complete reference	Blackboard Google meet Google Classroom. Black Board.
	4	Python Variables - Mutable and Immutable types, Swapping. Assignments parameter Passing - Mutable and Immutable parameter passing.	Martin C. Brown Python - The Complete reference	Blackboard
MARCH	1	CA 1 EXAMINATION.	-	-

Month	Week	Portions to be Covered	Reference	Platform(s)
MARCH	2	Text Data, files and Exceptions. Exceptions - Syntax Errors and Built in Exceptions. Strings Revisited - Methods.	Martin C. Brown Python - The Complete reference	Blackboard
	3	Formatted Output - function print(), String method format Lining up data in columns. Files - opening and closing file, Reading and Writing a text file.	Martin C. Brown Python - The Complete reference	Blackboard
	4	Errors and Exceptions Execution Control Structures Three way (more) Decision Control and the If Statement. - ordering of if Conditions.	Martin C. Brown Python - The Complete reference	Blackboard
	5	Container and Randomness Dictionaries - user defined Indexes as Motivation for Dictionaries - class properties Dictionary operators - Methods - collection of Counters.	Martin C. Brown Python - The Complete reference	Blackboard

Months	weeks	Portions to be Covered	Reference	Platform (links)
	5	Other Built-in Container types - class tuple, class set ... operators, Set Methods.	Martin C. Brown. Python.	Blackboard
		Character Encodings and Strings - Character Encodings. Strings - ASCII - unicode - UTF - 8 Encoding for unicode characters.	Martin C. Brown. Ljubomir Perkovic - Python.	Blackboard
		Module Random. Choosing Random Int, Choosing Random Real, Sampling at Random.	Martin C. Brown. Ljubomir Perkovic - Python	Blackboard
APRIL	1	For loop and Iteration patterns - Iteration loop, Counter loop, Accumulator loop, Nested loop.	Martin C. Brown Ljubomir Perkovic - Python.	Blackboard
		Two dimensional lists While loop - Two dimensional lists and nested loop pattern while loop.	Martin C. Brown, Ljubomir Perkovic - Python.	Blackboard
	2	More loop patterns - Additional Iteration - Sequence loop. - Infinite loop. - Loop and a Half - break, Continue and pass.	Martin C. Brown, Ljubomir Perkovic - Python	Blackboard

Months	Week	Portions to be Covered	Reference	Platform (Tools)
		Control Statements Namespaces - Encapsulation in functions. - Code Reuse, Modularity Encapsulation, Function calls.	Martin C. Brown, Ljubomir Perkovic - python	Blackboard
		Global Vs local namespaces - Global Variables, Local Scope, Global Scope.	Martin C. Brown Ljubomir Perkovic-python	Blackboard
	3	Exceptional flow control - Modules as Namespaces - Catching and Handling Exceptions. - Default Exception Handler - Multiple Exception Handler - Exceptional Control flow. - Module attributes. - Module Search path. - Top level module. - Import module attributes.	Martin C. Brown Ljubomir Perkovic - python.	Blackboard
May		Revision	Martin C. Brown Ljubomir Perkovic - Python.	Google Classroom.

LESSON PLAN

PROGRAMME: UG- BCA
PROGRAMME CODE: 09
SEMESTER: VI
COURSE: Elective III B: Cloud Computing
COURSE CODE: UECAE17
HOURS: 5
CREDITS: 5
TOTAL HOURS: 75
MAX. MARKS: 100
COURSE INSTRUCTOR/COURSE COORDINATOR: R. Shobana

Month	Week	Portions to be Covered	Reference	Platform(LMS)
JANUARY		Cloud Computing basics: cloud computing Overview	Velte T. Antony Cloud computing	Blackboard
	1	Applications - Storage. Database Services.	Velte T. Antony Cloud computing	Black board
		Intranets and the cloud - Components - Hypervisorapplications	Velte T. Antony Cloud computing	Black Board
		Why Cloud Computing matters	Velte T. Antony Cloud computing	Black board
	2	Benefits: Scalability, Simplicity, knowledgeable Vendors, Internal resources Security.	Velte T. Antony Cloud computing	Black board

Month	week	Portions to be Covered	Reference	Platform(Link)
	3	Limitations :- Sensitive Information, Applications not ready, Developing your own applications	Velte T. Antony Cloud Computing	Black board
		Companies in the cloud today.	Velte T. Antony Cloud Computing	Black board
	4	Cloud Services :- Infrastructure as a Service. - platform as a Service - Software as a Service.	Velte T. Antony Cloud Computing	Black board
		Cloud Computing technology	Velte T. Antony, Cloud Computing	Black board
February	1	Hardware and infrastructure - clients : Mobile, Thin, Thick.	Velte T. Antony Cloud Computing	Black board Google meet
		- Security : Data Leakage, Offloading work, Logging, forensics, development, auditing	Velte T. Antony Cloud Computing	Black board Google meet
	2	Network : Basic public internet. Accelerated internet, optimized internet overlay, VPN, Cloud Providers, Consumers, Pipesize Redundancy	Velte T. Antony Cloud Computing	Black board Google meet

Month	week	Portions to be Covered	References	Platform (Links)
		Services: Identity, Integration, Mapping, Payments, Search	Velte T. Antony Cloud Computing	Blackboard
February	3	Accessing the cloud. - Platforms - Web applications - Web APIs - Web Browsers.	Velte T. Antony Cloud Computing	Black board
		Cloud Storage. - Overview - Basics, SAAS, Providers, Security, reliability, Advantages, Cautions, Outages, Theft	Velte T. Antony Cloud Computing	Black board
	4	Cloud Storage Providers Standards. - Application - Client - Infrastructure - Service	Velte T. Antony Cloud Computing	Black board

Month	week	Portions to be Covered	References	Platform (Tools)
March	2	Cloud Computing at Work - Overview - Driving forces - Company offerings - Industries	velte T. Antony Cloud Computing	Black board
	3	Software Plus Services - Overview - Mobile device Integration - Providers - Microsoft Online	velte T. Antony Cloud Computing	Black board
	4	Developing Applications - Google - Microsoft - Intuit Quickbase - Cast Iron cloud - Bungee Connect	velte T. Antony Cloud Computing	Black board
	5	Local clouds and thin Clients - Virtualization - Server Solutions	velte T. Antony Cloud Computing	Black board

Month	week	Portions to be Covered	References	Platform (tools)
		- Thin clients		
April		Migrating to the cloud. - Cloud services for individuals - Cloud services aimed at the mid-market - Enterprise-class cloud offerings - Migration	velte T. Antony Cloud Computing	Black board.
May		Revision	velte T. Antony Cloud Computing	Google classroom.

LESSONPLAN

Programme	B.C.A
Programcode	09
Semster	VI
course	operating system
courecode	UCCARI7
Hours	5
Credits	5
maximum marks	100

Staff Incharge : Dr. Visalakshi. Annepu

WEEK	PORTIONS	REFERENCE	PLATFORM
JANUARY I	*Introduction *computer system architecture *operating system structures *operating system operations	operating system Principles by Silberschatz, galvin, gagne	Googlemeet with power Point presentation
II	*Process management *Process concepts *Process scheduling *memory management *Storage management *Protection and Security	operating system Principles by Silberschatz, galvin, gagne	Googlemeet with power Point presentation
III	*Distributed systems *Special purpose systems *System Structures *operating system services *user operating system interface	operating system Principles by Silberschatz, galvin gagne	Googlemeet with power Point presentation

MONTH	WEEK	PORTIONS	PLATFORM
JANUARY	IV	*System calls *Types of system calls *System programs *System boot *Process management introduction	Google meet with Power Point Presentation
FEBRUARY	I	*Process scheduling *Operation on Process *Inter Process communication *Multithread programming *Multithreading models	Black Board & giving overview Google meet
	II	*Process scheduling *Basic concepts *Scheduling criteria *Scheduling algorithms	Black Board & giving overview Google meet
	III	*Dead lock Introduction *Dead lock characterization *Dead lock avoidance	

MONTH	WEEK	PORTIONS	PLATFORM
FEBRUARY	IV	* Memory management background and introduction * Swapping * Contiguous memory allocation	Black broad and Googlemeet
MARCH	I	* Paging * Structure of page table * Segmentation.	Blackbroad and Googlemeet
	II	* Virtual memory management * Demand paging * Page replacement	Blackbroad Presentation Googlemeet
	III	* Thrashing * File system introduction * Access methods * Directory structure	Blackbroad Presentation Googlemeet
	IV	* File Sharing * Implementing file system * Allocation methods	Blackbroad Presentation and Googlemeet

MONTH	PORTIONS	REFERENCE	PLATFORM
APRIL I	* Free space management * Recovery * Secondary storage structure * Disk structure	operating system principles by silverschatz, Galvin, Gagne.	Black board and google meet
II	* Disk scheduling * Introduction to the mach system * History * Design principles	operating system principles by silverschatz, Galvin Gagne	Blackboard google meet
III	* System components * Process management * Inter process communication * memory memanagement * Programmer interface	operating system principles by silverschatz, Galvin Gagne	Blackboard google meet

LESSONPLAN

Programme	B.C.A
Programcode	09
Semster	IV
Course	Environmental Studies
Coursecode	UCCR17
Hourse	2
Credits	2
Maximum marks	60

Staff Incharge : Dr. Visalakshi Annepu

MONTH & WEEK	PORTIONS	REFERENCE	PLATFORM
JANUARY I	* Defination of environment * Scope and imperotant components and segments of environment * multi disciplinary nature of environment studies	Fundamental concepts in environmental studies by Dr. D D Mishra	Black broad and Googlemeet
II	* Introduction to natural resources * water * wind * Land	Environmental science by kamal kanth Joshi, deepak kumar	Black broad and Googlemeet
III	Natural Resources * Forest * Energy * Mineral resources	Environmental science by kamal kanth Josi, deepak kumar	Black broad and Googlemeet
IV	*ECO system introduction * Structure and functions of eco system	Environmental science by kamal kanth Josi, deepak kumar	

MONTH		PORTIONS	REFERENCE	PLATFORM
		* Food chain * Food web		
FEBRUARY	I	*Ecological pyramids * Types of eco system * Lack ecosystem * Pond ecosystem	Fundamental concepts in environmental studies by Dr D. D. Mishra	Google meet with Power Point Presentation
	II	* Forest eco system * Grassland eco system * Desert eco system	Fundamental concepts in environmental studies by Dr D D Mishra	Google meet with Power Point Presentation
	III	* ocean eco system * Energy flow in eco system * Ecological succession	Fundamental concepts in environmental studies by Dr D D Mishra	Black board and Google meet
	IV			
MARCH	I	* Introduction to biodiversity * General terms related to bio diversity	Fundamental concept in environmental studies by Dr D D Mishra	Google meet

MONTH	PORTIONS	REFERENCE	PLATFORM
MARCH II	* Types of bio diversity * India has mega bio-diversity zone * Threats bio diversity * conversation bio diversity	Fundamental concepts in environmental studies by Dr D D mishra	chalk talk Google meet
III	* values of bio-diversity * Introduction environmental Pollution * Air Pollution * water Pollution * Soil Pollution * Noise Pollution * Causes, Effects and control measures	Fundamental concepts in environmental studies by Dr D D mishra	Black board Google meet
APRIL I	* Rain water harvesting * water Shed management * Soild waste management	Fundamental concepts in environmental studies by Dr D D mishra	Lecture method and Google meet

MONTH	PORTIONS	REFERENCE	PLAT FORM
APRIL II	* Human pollution and environment		
	* Environmental protection act, 1986 protection act agencies	Perspective in environmental studies by Anubha kaushik and C.P kaushik.	Black broad Google meet
	* Air act 1981		
	* water act 1976		
	* wild life protection act		
	* 1972 forest act		
	* 1980 wild life protection act		
III	* General environmental issues		
	* Global warming climate change	Perspective in environmental studies by Anubha kaushik and C.P kaushik	Black broad Google meet
	* ozone layer depletion		
	* Acid rain		
	* sustainable development		
	* population explosion		
	* Role of information technology in environmental conversation		

LESSON PLAN

Programme	B.C.A
Programcode	9
Semster	II
course	computer organization & architecture
Hours	6
Credits	4
Total hours	90
maximum marks	100 [Sem + CA]
Course code	UCCAE20

Staff Incharge : Dr. Visalakshi Annepu

MONTHS / WEEK	PORTIONS	REFERENCE	PLATFORM
JANUARY I	* Digital computers * Logic gates * Boolean algebra * map simplification	computer system architecture by Morris mano	Googlemeet with power Point presentation
II	* combinational and sequential circuits * Flipflops * Digital components decoders, multiplexers	computer system architecture by morrismano.	Googlemeet with power Point presentation
III	* Register shift register * Data representation Data types - complements other binary codes.	computer system architecture by morrismano	Googlemeet with power Point presentation
IV	* Basic computer organization and design * Instruction codes * computer registers * computer Instructions	computer system architecture by morrismano	Googlemeet with power Point presentation

MONTH	PORTIONS	REFERENCE	PLATFORM
FEBRUARY I	* Timing and control * Instruction cycle * memory reference instructions	computer system architecture by morris mano	Google meet with Power Point Presentation
II	* Assembly language * The assembler * Central processing units : Introduction * General register organization	computer system architecture by morris mano	Google meet with Power Point Presentation
III	* Instruction cycle * memory reference instructions * Addressing modes * RISC and CISC characteristics	computer system architecture by M. morris mano	Google meet with Power Point presentation
MARCH I	* Input / output organisation : Peripheral devices * Input / output interface	computer system architecture by M. Morris mano	Black Board & Google meet with power Point presentation

MONTH	PORTIONS	REFERENCE	PLATFORM
MARCH II	* Asynchronous data transfer * modes of transfer * Priority interrupt	computer system architeture by morris mano.M	Blackboard and Googlemeet
III	* Directory memory access * memory organizatio * memory hierarchy * main memory	computer system architeture by morris mano.m	Blackboard and Googlemeet
APRIL I	* cache memory * virtual memory * Address space * memory space address	computer system architeture by morris mano.m	Blackboard and Googlemeet
II	memory space address mapping using pages	computer system architeture by morris mano.M	Blackboard and Googlemeet

MONTH	PORTIONS	REFERENCE	PLATFORM
APRIL III	Associative memory Page table and Page replacement	computer system architecture by morris mano	Black broad & Cooglemeet

LESSON PLAN

Programme	B.C.A
Programcode	9
Semster	VI
Course	WEB PROGRAMMING – SBE
Courselode	USCSE617
Credits	2
Hours	2
Maximummarks	100

Staff Incharge : Dr. Visalakshi Annepu

MONTH	PORTIONS	REFERENCE	PLATFORM
JANUARY			
I	Introduction to HTML markup language Basic Structure of an HTML document Creating and saving an HTML document	HTML 4.0 in simple steps by Dreamtech	Blackboard Presentation
II	opening the HTML document in a web browser modifying the background of an HTML web page	HTML 4.0 in simple steps by Dreamtech	Blackboard Presentation
III	Specifying metadata about an HTML web page Introduction to adding plain text to an HTML webpage Aligning text	HTML 4.0 in simple steps by Dreamtech	Blackboard Presentation on getting over of HTML

MONTH	PORTIONS	REFERENCE	PLATFORM
JANUARY IV	Formatting the text Specifying the text working with lists	Learning HTML by Ramesh Bangia	Black board presentation and google meet
FEBUARY I	create a webpage for Job recruitment agency in an IT industry Create a webpage about our college	HTML 40 in simple steps by Dreamtech	Blackbroad Presentation and google meet Demonstration
II	working with tables working with frames Create a web page for railway reservation system	Learning HTML by Ramesh Bangia	Blackbroad presentation & PowerPaint Presentation
III	Introduction to working with links working with images	Learing HTML by Ramesh Bangia	Blackbroad presentation & PowerPaint presentation

WEEK	PORTIONS	REFERENCE	PLATFORM
MARCH I	working with multimedia working with cascding Style sheets	Learning HTML by Rameshbangia	Blackbroad
II	working with Java Script in HTML documents Adding a Script in an HTML document working with objects in JavaScript	JavaScript in 24 hours by wilson	Chalk and talk
III	Programming in Java Script using Function and objects	Learning HTML by Rameshbangia	Demonstration
April I	Develop a single page advertisment for a shop to be open shortly with VB Script validation	microsoft VB Script step by step by wilson	Demonstration

WEEK	PORTIONS	REFERENCE	PLATFORM
APRIL II	using and placing Vbscript in a HTML page VB Script in the body of the HTML file VB Script in heading variables, assignments and expressions. Procedures & Functions.	microsoft VB Script step by step by wilson	Blackboard
APRIL III	Decisional statements repeating structure conditional loop with condition evaluted First conditional loop with condition evaluted after- Counted loop For Each next live at VB script intrinsic functions Sample programs with buttons & menus. write a javascript program to make a figure dance	microsoft VBScript step by step by wilson	Blackboard

Teaching plan

Subject Name : Java Programming

subject code : UCCAH19

course Instructor : Ms. Kavitha S.

No. of Hours/week : 5

class : III B.CA.

Month	week	Topic covered	Reference	Platform
July	2nd	System Development	Ali Bahrami — object oriented sys. Development	Google meet, Google Classroom
	3rd	object Basics	G. Booch - object oriented Analysis & Design	"
	4th	Development Life cycle	Slideshare — Ali Bahrami OOSD.	"
August	1st	Methodologies - pattern.	G. Booch — OOAD	"
	2nd	Frameworks - Unified Approach - UML	"	"
	3rd	Usecase models - object Analysis		"
	4th	object relations - Attributes	Ali Bahrami — OOSD	"
Sep	1st	Methods - class & object responsibilities	"	"
	2nd	Case studies	"	
	3rd	Design Process - Design Axioms	slide share - Ali Bahrami - OOSD	Google meet, Google classroom
	4th	Class Design - object storage	"	"
Oct.	1st	object Interoperability - Case Studies.	"	"
	2nd	User Interface Design. View layer classes	"	"

3rd	Micro-level processes – View layer interface	G. Booch – OOAD	Google meet
4th	case studies – Quality Assurance Test	Ali Bahrami – OOSD	"
NOV 1st	Testing strategies – object Orientation on testing – Test case – Test plan	"	"
2nd	continous Testing Debugging principles System usability	"	"
3rd	measuring user statisfa. – case studies	"	"
4th	Revision	"	"

LESSON PLAN (2020-2021)

Programme	:	UG - BCA
Programme code	:	09
Semester	:	IV
Course	:	Data communication & N/w
Course code	:	UCCALIG
Hours	:	5
Credits	:	5
Total No. of Hours	:	75
Max. marks:	:	100
Course instructor	:	S. Kavitha

DATE CLASS

Month	week	Topic covered	Reference	Platform
JAN	I	Data N/w & I/N – Data & N/w for Today Enterprises Comm. model	willian stallings – Data & computer communication	Black Board
	II	The I/n protocol architecture – TCP/IP protocol Archit – TCP/IP protocol & I/n Based application.	"	"
	III	The need for a protocol archit. – TCP/IP Protocol archit. – The OSI model Standardization with in a protocol architecture.	"	"
	IV	Traditional I/n based application – Multimedia Data Transmission – Concepts & Terminology.	Willian Stallings Data & Computer Communication	Power point Presentation
Feb	I	Analog & Digital data Trans. Transmission impairment.	"	"
	II	channel capacity – Transm. media – Guided Transmision media – Wirless Trans. – Wirless Propogation – Line of Sight Trans. Signal Encoding Techniques.	"	Black Board
	III	Digital data signals – Dig. data analog signals – Analog data analog signals – Digidal data communication Techniques.	"	"
	IV	Asynchronous & Synchronous Transmission – Type of Error Error detection – Error correction Line configuration.	"	"
March	I	I CA Exam		
	II	Data link control protocol flow control – Error control HDLC – Multiplexing.	"	PPT

Month	week	Topic Covered	Reference	platform
	III	FDM - Synchronous TMC TDM Statistical Time Division Multiplexing	William Stalling Data & computer Communication	Black Board
	IV	Asymmetric digital subscriber xDL - Spread spectrum - frequency hopping - Direct Spread spectrum - code Division Multiple Access - Switched Communication N/w - circuit Switching N/w - Softswitch Archite. - X.25 - frame relay Asynchronous - Transfer mode protocol archit. - ATM Logical Concetion - ATM cells - Transmission - ATM Service categories.	"	PPT
Apr	I	II CA.		
	II	Routing in packet switching N/w - eg. Routing in Arpanet. Least cost alg. - congestion Control in Data N/w - Effects in congestion	"	PPT
	III	Congestion control Traffic mgnt - Cng. control in packet Switching N/w - frame relay ATM Traffic mgnt. ATM GFR Traffic mgnt.	"	Black Board
	IV	Revision.		