

ODD SEMESTER - 2023 - 2024

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Computer Science Name of the Teacher: A. Subashini Year: 2023-2024
 Title of the Paper: Java Programming Subject Code: 22UES503 Semester: ODD EVEN

Test No. & Period	Topics allotted	No of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of Staff	MO
I From: <u>19.6.23</u> To: <u>16.8.23</u>	Java Evolution - How Java differs from C and C++ - Java and Internet - Overview of Java language - Tokens - Java Virtual Machine [JVM] - classes and objects, Data Abstraction - Decision making and branching - Programs - Switch/case ?: Operator - While, do while - for statements - Labelled loops - Classes, Objects and Methods - Arrays - Strings and	30 Hrs	As per time-table		<i>(Signature)</i>	A
II From: <u>24.8.23</u> To: <u>18.10.23</u>	Vectors - Interfaces : Multiple inheritance Packages - Putting classes together - Multithreaded programming - Managing Errors and exceptions - Applet Programming - Graphics Programming - Files - Introduction - Concepts of Streams - Stream classes - Using Streams - IO classes - File class - IO Exceptions - Character & File Reading/ Writing characters / Bytes - handling primitive data types - Random Access Files	30 Hrs	As per time-table		<i>(Signature)</i>	A

KONGUNADU ARTS AND SCIENCE COLLEGE (AT TONKINOW) CO-ORDINATOR - Dr. _____

ACADEMIC PLANNING

Department: Computer Science Name of the Teacher: Dr. ARAVINDA Year: 2023-2024

Title of the Paper: Data Communication Subject Code: 21UCS511 Semester: ODD/ EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of Stud / BOB
I From 19.6.23 to 16.8.23	Fundamental Concepts Data communication, Protocols, Standards, Signal propagation, Analogue & Digital Signals, Information, Encoding, Representing different signals, Minimizing errors, Analogue & Digital Transmission methods, Modes of data Transmission & Multiplexing, Error Detection & Correction, Transmission media, Guided Media, Unguided media, Mesh-Star, Tree, Ring, Bus, Circuit Switching, Message Switching, Packet Switching, Routing algorithms, Routing & Forwarding, Addressing, Selecting Protocols & OSI model, LAN, MAN, WAN, Fibre optic.	40	As per Time Table	-	
II From 22.6.23 to 18.10.23	MAN, SMDS, WAN, WAN architecture, WAN business mechanism, WAN addressing, Packet forwarding, Aloha, CSMA, CS/CD, Frame relay, ATM, Internetworking concepts, Packet, Internet Basics, History & Architecture. An introduction to TCP/IP, IP, ARP, RARP, ICMP, Features of TCP, Relationship between IP, ports & Sockets, TCP connection, what makes a TCP reliable, TCP packet format, UDP, UDP packets, TCP & UDP & TCP, DNS, E-mail, FTP	40	As per Time table	-	

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Computer Science

Name of the Teacher: Dr. P. RAUTHA

Year: 2023-2024

Semester: ODD/ EVEN

Title of the Paper: Environmental Studies Subject Code: 22ESV51

Test No. & Period	Topics Allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of Staff	MOO
I From: 19.6.23 To: 16.8.23	Scope & Importance, need for public awareness, National resources, Types of resources, forest resources, water resources, Mineral resources, forest resources, energy resources, land resources, concept of Ecosystem, structure & function of an ecosystem, Producers, consumers & Decomposers, energy flow in the ecosystem, Ecological succession, food chains, food web and ecological pyramids, Food structure & function of the fully ecosystem, Forest structure & function of the fully ecosystem, Desert ecosystem, Aquatic ecosystem	12	As per the Time Table			
II From: 24.8.23 To: 18.10.23	Genetic species & ecosystem diversity, Bio-geographical classification of India, Value of biodiversity, Biodiversity at global, national & local levels, India as a mega diversity nation, Hotspot of biodiversity, Threats to biodiversity, Endangered & endemic species of India, India conservation efforts, Air Pollution, Water and marine noise, Thermal, Nuclear, Pollution Solid waste Management, Disaster Management, Sustainable development, water conservation, Global Warming, HIV/AIDS, Women & child welfare, Role of Information Technology	12	As per the Time Table			

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Chemistry Name of the Teacher: P. K. Jaiswal Year: 2023-2024
Title of the Paper: HUMAN PHYSIOLOGY Subject Code: 21UGCH01 Semester: ODD/EVEN

Test No. & Period	Topics allotted	No of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of Staff	MOOP
I From 16-6-2003	Definition, meaning, sources, Treaties and laws in various regions, Powers and limitations of human rights in India - Declaration on human Rights under international system, United Nations Charter, Human Rights Commission, UN Human Rights Council, Declaration on human rights - Subcommittees, Committee on Civil and Political Rights, Economic, Social and Cultural Rights, High Commission for Human Rights, Human Rights Commission and fundamental rights - Enforcement remedies through rights laws in India - National Human Rights and women - Human Rights Commission	2 hrs	03/09/2003 10:30 AM to 12:30 PM	—		
II From 24-6-2003	Ageed persons and their human rights - Discrimination against women with disabilities - Gender Human Rights in India - Women generations - Human rights, Social - minorities and vulnerable or disadvantaged communities, Child, religious and minorities discrimination - and labor rights - 1940's in practice in India - Human rights - Rights to election	03 hrs	03/09/2003 The first four hours	—		
18-10-2003	Human rights - Rights to election	(15 Hrs)				

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Chemistry Name of the Teacher: P. K. N. S. Year 2024 - 2024

Title of the Paper: Maths. Prg. and. P.T. Subject Code: 21008510 Semester: III / Even

[illegible]

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: COMPUTER SCIENCE Name of the Teacher: Dr. S. RADHARANI Year 2023-2024

Title of the Paper: CLOUD COMPUTING Subject Code: 66E66E1 Semester: ODD / EVEN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of Staff	HOD
I From: 19.6.23 To: 16.8.23	Cloud Computing Basics: Cloud Computing Overview, Applications, Internet & the Cloud, Hardware & Infrastructure, Clients - Security, Network, Services, Cloud Computing Architecture Introduction, Cloud Reference Model, Types of Clouds, Organizational aspects, Accessing the Cloud, Platforms, web Applications, web Browsers.	32	As per Time Table	-	g	
II From: 24.8.23 To: 18.10.23	Cloud Storage: Overview, Cloud Storage Providers Applications: Scientific Applications: Cloud Healthcare, Geosciences, Business & consumer Applications: CRM & ERP, Media Applications, Applications: Online Gaming, Standards: Multiplayer Application, Client, Infrastructure Service, Software as a Service: Overview, Driving Forces, Industries, Healthcare, Banking.	33	As per Time Table	-	g	

[illegible]

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29

ACADEMIC PLANNING

Department: Computer Science

Name of the Teacher: A. Jeyapalan

Year: 2023-2024

Title of the Paper: Object-Oriented Programming with C++

Course Code: 23CE022

Semester: 5th SEM/EN

Test No & Period	Topics allotted	No of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Sign of the In-charge
I From 4.12.23 To 5.2.24	Introduction to C++ - Key concepts of OOP, advantages of C++ - If, switch, while, do-while, for, while, for-while, switch/case, Functions in C++ Inline functions - Function overloading, classes and objects - Member functions - usage of objects - Friend functions - Constructors and destructors - Programs to explain the above concepts	30	3rd Nov 3rd Nov	—	Signature A. Jeyapalan
II From 13.2.24 To 3.4.24	Operator overloading - Unary, Binary operators - overloading - Inheritance - Types Single/multiple/multilevel/ hierarchical - Union - Abstraction - virtual base class - Abstract class - Pointers - pointers to derived classes - Array - Polymorphism - Virtual functions - File mode - Sequential file read/write operations - String Functions - Templates - Exception Handling	30	As per time table	—	Signature A. Jeyapalan

KONGUNADI ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Computer Science

Name of the Teacher: A. Supriyana

Year: 2023-2024

Title of the Paper: Database management system

Subject Code: 22UC6502A

Semester: 04th- EVEN

Test No. & Period	Topics allocated	No of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of	
					Staff	HOD
I From 4-12-23 To 5-2-24	Introduction - Purpose - Review of data base models Database languages - Transact SQL management Storage Management - Database administration - Backup Recovery - security - System structure - 5-6 Query languages - Query - set algebra - basic forms sets - Extended E-R features - Relational model Relational Algebra - Views - Set-theoretical Basic operations - Set - aggregate functions Joinal relations - Data definition languages - Integrity Constraints	30 hrs	4x hrs class-tutorial		<i>[Signature]</i>	<i>[Signature]</i>
II From 13-2-24 To 08-4-24 03-4-24	Functional dependencies - Relational database design Normalization - decomposition - Normalization using 2NF 3NF - New applications - query - no languages Parallel programming language - Database system architecture - central server - client/server - Parallel - distributed - network DB - real applications - Query support system - data analysis Data mining - Data warehousing - Spatial and Geographical DB - Data warehousing - Security database -	30 hrs	2x hrs class-tutorial		<i>[Signature]</i>	<i>[Signature]</i>

KONGUNADI ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE-21.					
ACADEMIC PLANNING					
Department: Computer Science		Name of the Teacher: Dr. P. MATHYAN		Year: 2023-2024	
Title of the Paper: Information Security Subject Code: 2102CS614			Semester: ODD (4th)		
Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered if any	Remarks (No. of hrs. taken)
I From 4/12/23 To 6/2/24	What does security mean? Policies, Hierarchy of Computer Security, Computer security Protection on general computer & Protected Objects & Methods of Protection, Memory & Address Protection, Control of Access to general objects, File protection mechanisms, How to achieve Secure programs, Normalization Program Error, Viruses and other Malicious code, Trusted Malicious code, Control against program and Data reduction to databases, Security Assessment, Reliability & Integrity, Multi-level Databases	30	As per time Table	-	Not completed
II From 8/2/24 To 3/4/24	Proposals for multilevel security data management network concepts, Threats in Networks, Personal IDS, Web Security, Web applications in security, Mobile Security, Rethinking mobile security, Legal & Ethical Issues in Computer Security, Protecting programs & data, Information & data computer crime, Ethical Issues in Computer Security	30	As per timetable	-	Not completed

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Computer Science

Name of the Teacher: Dr. P. K. A. Vella

Year: 2023 - 2024

Title of the Paper: Digital Principles & CSO

Subject Code: 22UCS01A

Semester: ODD ☒ EVEN

Test No. & Period	Topics allotted	No of hours required for completion	Days & hrs of handling	Topics not covered, if any	Signature of	
					Start	HOOD
From: 14.12.23 To: 5.2.24	I Binary to Hex Conversion - Binary to Octal, Hexadecimal Conversions - Octal to Binary, Octal Hexadecimal Conversions - Hexadecimal number system, Addition to Binary, Octal, Decimal Conversions, Gray code - Excess 3 code, Gray code AND NOT, NOR, NAND and Invert Gates, Boolean laws & Theorems. SOP, Truth Table to K-Map, Prime Quads, Cyclic, Karnaugh's simplification, Don't care conditions, Post Multi-Phase, Don't care, 10 to 12 decoder, BCD to Decimal, Encoder, Multiplexers, RS, D, T flip-flops, Registers	32	As per Time Table	-	of Teacher	of Teacher
	II Edge Triggers, D FF, Edge Triggers JK FF, CPU, General Register Organization, Stack Organization, Instruction format, Addressing modes, Peripheral Devices, The Interface Architecture, Parallel Transfer, Central Addressable Memory Organization, Data, SOP, Serial Communication, Memory Organization, Memory Hierarchy Main Memory, Cache Memory, Virtual Memory, Multiprocessors, Characteristics of Multiprocessors - Interconnection Structures				of Teacher	of Teacher

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Computer Science Name of the Teacher: Dr. A. K. V. TH Year: 2023-2024
 Title of the Paper: Moral & Ethics Subject Code: 23VED201 Semester: ODD / EVEN

Test No. & Period	Topics Allotted	No of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of Staff	HOD
I From: <u>4.12.23</u> To: <u>5.2.24</u>	Meaning of Moral & Ethics, Social Ethics Ethics & Culture, Aim of Education, Birth & child hood days of Swami Vivekananda, At the Parliament of Religions, Teachings of Swami Vivekananda, Subhas Chandra Bose, Swathi Vallabhai Patel, Utkham Singh, V. O. Chidambaram Pillai, Bhagat Singh, Tiruppur Kumaran, Dr. B. R. Ambedkar, The Naxalite, Vallabhaiah, Yelu Nachiyar, Nachinathan.	10 hrs	As per Time table	-	Self Declaration	A. K. V. TH
II From: <u>13.2.24</u> To: <u>3.4.24</u>	Simplified Physical Exercise, Hand Exercises, Leg Exercises, Neuro Muscular Breathing Exercises, Eye Exercises, Kalarabathi, Maharasana, A.B.B., Massage, Acupressure, Relaxation, Kapakalata, Yoga, Lifestyle, Aim & objectives, Principle, Methods, Introspection, Analysis of Thought, Yogasana, Surya Namaskar, Asanas, Sitting, Standing, Prone, Supine, Pranayama, Nandi Sudhi, Ujjayi, Seethali, Sittkhan, Meditation - Transcendental, Shanti, Transcendental, Benefits.	10 hrs	As per Time table	-	Self Declaration	A. K. V. TH

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

Kongunadu Arts & Science College

(Autonomous)

Coimbatore - 29

ACADEMIC PLANNING

Name of the Teacher: DR.P.K.VITHA

Year: 2023-2024

Semester: ODD / EVEN

Title of the Paper:	Subject Code :	No of hours required for completion	Dates & hrs of handling	Topics not covered if any	Signature of	
Test No. & Period	Topics Allotted				Staff	HOD
I From : 4.12.23 To : 5.3.24	Meaning of Moral & Ethics, Social Ethics Ethos & Culture , Aim of Education . Birth & child hood days of Swami Vivekananda At the Parliament of Religions Teaching of Swami Vivekananda, Subhas chandra Bose Southern Vallabhai Patel Udhum Singh V.O.chidambaram Pillai Bhagat singh Tiruppur Kumaran Desikan Chinmanna, Thi Marudadi Kallanmanai Velu Nachiyar,Vanchinathan	10hrs	As per Time table	-	Self Monitor	A.S. Lakshmi
II From : 3.2.24 To : 3.4.24	Simplified Physical Exercises, Hand Exercises, Leg Exercises, Neuro Muscular Breathing Exercises, Eye Exercises, Karakalathi, Malarasani A&B, Massage, Acupressure Relaxation, Kapalabhati Namaste, Life force Aim & object w, Panchik Nistha Introspection, Analysis of Thought, Yogachara, Surya Namaskar Asanas, Sirdhi Spandis, Prana, Supine, Pranayama Niada Sudhi, Ujjayi, Setubali, Siddhartha Meditation - Transcendental, Shakti, Tantrasam, Anantia	10hrs	As per Time table	-	Self Monitor	A.S. Lakshmi

KONGUNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: Computer Science Name of the Teacher: P. Kishan Year: 2018-2019

Semester: ODD / EVNS

Title of the Paper: III - Programming Subject Code: 2104043

Test No & Period	Topics allotted	No. of hours required for completion	Dates & hrs of handling	Topics not covered, if any	Signature of Staff / HOD
I From: <u>A-12-2018</u> To: <u>2-2-2019</u>	Introduction to C++ - Basic C++ Development Concepts-Setting first program - Using variables and constants, using data in variables: declaring, declaring, scope and using variables, data types - C++ Constants, main program, using constants - Variable Program - Using C++ (radius) Statement - writing main, compiler and header, program Summary: Basics with loops, working with loop and numeric constants working with arrays, array data in C++ - printing things with loops and numeric data, arrays with basic variables with numeric constants	30 hours	As per the Time Table	—	
II From: <u>13-2-2019</u> To: <u>28-3-2019</u>	working with arrays and Time - Using arrays and arrays, creating user defined functions - Creating classes, working with class and structures - Reading files - writing files - Printing structures - Using with dimensions and 2D - Creating and updating a structure array and array, working with classes, source files and Android Studios	30 Hours	As per the Time Table	—	

KONGUNNADU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), COIMBATORE - 29.

ACADEMIC PLANNING

Department: B.Sc. Computer Science Name of the Teacher: K. Deenashan Year: 2023- 2024.

Title of the Paper/ Course: Pages: 2 Unit Analysis Subject Code: 21UC2112 Semester: SEM / EN

Test No. & Period	Topics allotted	No. of hours required for completion	Dates & hrs of completion	Topics not covered, if any	Signatures of Staff / MO
1 From: 12.12.23	Data Evolution: Data Development Timeline, 1st Advancement - a perspective, Data Analysis - Perspective, IT Components - Business Process Landscape - Data in Data Science, Types of Data, Data Organization - Characteristics of digital data - Sources of data - Data evolution - Data Sources.	30	As per time - table		
To: 0-2-24	Data Science - a Discipline - Data Science vs. Data Science vs. Information Science - Data Science Foundations - Longitudinal - Data Science - Data Science vs Machine Language				Dr. Deenashan
II From: 13.2.24	Relation concepts, Naming of Databases - Data types - R operators - R algebra - Data Visualization - Latent Package - Rplots - R Shiny - R plots - R for Plot - R packages, Plot.	30	As per time - table		
To: 3-4-24	Statistical Measures - Understanding data distribution - Skewness - Central Tendency Measure - Measure of Variability - Range, Mean, Mode, Range - Variability Analysis using Mean-Data Standardizing - Sampling Distribution - Hypothesis Tests				Dr. Deenashan