



College Code: 7Q

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROUP OF INSTITUTIONS-INTEGRATED CAMPUS

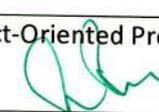
(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R Dist. Hyderabad – 501505

website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in, principal.7q@gmail.com Cell:9442263457

Computer Science and Engineering (NETWORKS) I & II Sem Course Outcomes For The Academic Year 2021-2022

S.NO.	YEAR/ SEM	COURSE NAME	Course Outcomes
1	III/I	DATA STRUCTURES	CO1: Ability to select the data structures that efficiently model the information in a problem.
			CO2: Ability to assess efficiency trade-offs among different data structure implementations or combinations.
			CO3: Implement and know the application of algorithms for sorting and pattern matching.
			CO4: Design programs using a variety of data structures, including hash tables, binary and general tree structures, search trees, tries, heaps, graphs, and AVL-trees
2	III/I	COMPUTER ORGANIZATION AND ARCHITECTURE	CO1: Understand the basics of instructions sets and their impact on processor design
			CO2: Demonstrate an understanding of the design of the functional units of a digital computer system
			CO3: Evaluate cost performance and design trade-offs in designing and constructing a computer processor including memory.
			CO4: Design a pipeline for consistent execution of instructions with minimum hazards.
			CO5: Recognize and manipulate representations of numbers stored in digital computers.
3	III/I	PYTHON PROGRAMMING	CO1: Examine Python syntax and semantics and be fluent in the use of Python flow control and functions.
			CO2: Demonstrate proficiency in handling Strings and File Systems.
			CO3: Create, run and manipulate Python Programs using core data structures like Lists, Dictionaries and use Regular Expressions.
			CO4: Interpret the concepts of Object-Oriented Programming as used in Python


DIRECTOR
Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Campus (7Q)
Abdullapur (V), Abdullapurmet (M),
R.R. Dist-501505.



BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROUP OF INSTITUTIONS-INTEGRATED CAMPUS

(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R Dist. Hyderabad – 501505

website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in, principal.7q@gmail.com Cell:9442263457

			CO5: Implement exemplary applications related to Network Programming, Web Services and Databases in Python
4	II/I	ANALOG AND DIGITAL ELECTRONICS	CO1: Know the characteristics of various components
			CO2: Understand the utilization of components
			CO3: Design and analyze small signal amplifier circuits.
			CO4: Learn Postulates of Boolean algebra and to minimize combinational functions
			CO5: Design and analyze combinational and sequential circuits
			CO6: Know about the logic families and realization of logic gates.
5	II/I	COMPUTER ORIENTED STATISTICAL METHODS	CO1: Apply the concepts of probability and distributions to some case studies
			CO2: Correlate the material of one unit to the material in other units
			CO3: Resolve the potential misconceptions and hazards in each topic of study
			CO4: To measure experimental result based on hypothesis using chi square techniques
6	II/I	ANALOG AND DIGITAL ELECTRONICS	Co1: Know the characteristics of various components.
			CO2: Understand the utilization of components.
			CO3: Design and analyze small signal amplifier circuits
			CO4: Postulates of Boolean algebra and to minimize combinational functions
			CO5: Design and analyze combinational and sequential circuits
7	II/I	DATA STRUCTURE LAB	CO1: Ability to develop C programs for computing and real-life applications using basic elements like control statements, arrays, functions, pointers and strings, and data structures like stacks, queues and linked lists.
			CO2: Ability to Implement searching and sorting algorithms
		PYTHON	CO1: Student should be able to understand the basic concepts scripting and the contributions of scripting language

DIRECTOR

Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Campus (7Q)
Abdullapur (V), Abdullapurmet (M),
R.R Dist. Hyderabad - 501505.



BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROUP OF INSTITUTIONS-INTEGRATED CAMPUS

(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R Dist. Hyderabad – 501505

website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in, principal.7q@gmail.com Cell:9442263457

8	II/I	PROGRAMMING LAB	CO2: Ability to explore python especially the object-oriented concepts, and the built in objects of Python.
			CO3: Ability to create practical and contemporary applications such as TCP/IP network programming, Web applications, discrete event simulation
9	II/I	GENDER SENSITIZATION LAB	CO1: To develop students' sensibility with regard to issues of gender in contemporary India.
			CO2: To provide a critical perspective on the socialization of men and women.
			CO3: To introduce students to information about some key biological aspects of genders.
			CO4: To expose the students to debates on the politics and economics of work.
			CO5: To help students reflect critically on gender violence
10	II/II	DISCRETE MATHEMATICS	CO1: Ability to understand and construct precise mathematical proofs
			CO2: Ability to use logic and set theory to formulate precise statements
			CO3: Ability to analyze and solve counting problems on finite and discrete structures
			CO4: Ability to describe and manipulate sequences
			CO5: Ability to apply graph theory in solving computing problems
11	II/II	BUSINESS ECONOMICS AND FINANCIAL ANALYSIS	CO1: The students will understand the various Forms of Business and the impact of economic variables on the Business
			CO2: The Demand, Supply, Production, Cost, Market Structure, Pricing aspects are learnt.
			CO3: The Students can study the firm's financial position by analysing the Financial Statements of a Company.

[Signature]
DIRECTOR

Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Campus (7Q)
Abdullapur (V), Abdullapurmet (M)
R.R. Dist-501505.



BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROUP OF INSTITUTIONS-INTEGRATED CAMPUS

(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R Dist. Hyderabad – 501505

website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in, principal.7q@gmail.com Cell:9442263457

12	II/II	OPERATING SYSTEMS	CO1: Will be able to control access to a computer and the files that may be shared
			CO2: Demonstrate the knowledge of the components of computer and their respective roles in computing.
			CO3: Ability to recognize and resolve user problems with standard operating environments
			CO4: Gain practical knowledge of how programming languages, operating systems, and architectures interact and how to use each effectively.
13	II/II	COMPUTER NETWORKS	CO1: Gain the knowledge of the basic computer network technology
			CO2: Gain the knowledge of the functions of each layer in the OSI and TCP/IP reference model
			CO3: Obtain the skills of sub netting and routing mechanisms
			CO4: Familiarity with the essential protocols of computer networks, and how they can be applied in network design and implementation.
14	II/II	JAVA PROGRAMMING	CO1: Able to solve real world problems using OOP techniques
			CO2: Able to understand the use of abstract classes.
			CO3: Able to solve problems using java collection framework and I/o classes.
			CO4: Able to develop multithreaded applications with synchronization.
			CO5: Able to develop applets for web applications.
			CO6: Able to design GUI based applications
15	II/II	OPERATING SYSTEMS LAB	CO1: Simulate and implement operating system concepts
			CO2: Able to implement C programs using Unix system calls
16	II/II	COMPUTER NETWORKS LAB	CO1: Implement data link layer framing methods
			CO2: Analyze error detection and error correction codes
			CO3: Implement and analyze routing and congestion issues in network design.
17	II/II	JAVA	CO1: Able to write programs for solving real world problems using



BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROUP OF INSTITUTIONS-INTEGRATED CAMPUS

(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)

Abdullapur (V), Abdullapurmet (M), R.R Dist. Hyderabad – 501505

website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in, principal.7q@gmail.com Cell:9442263457

		PROGRAMMING LAB	java collection frame work
			CO2: Able to write programs using abstract classes.
			CO3: Able to write multithreaded programs
			CO4: Able to write GUI programs using swing controls in Java.
18	II/II	CONSTITUTION OF INDIA	CO1: Able to understand the concept of abstract machines and GUI based applications.
			CO2: Able to employ finite state machines for modeling and solving computing problems.
			CO3: Able to design context free grammars for formal languages.
			CO4: Able to distinguish between decidability and undecidability.
			CO5: Able to gain proficiency with mathematical tools and formal methods.

DIRECTOR
Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Campus (7Q)
Abdullapur (V), Abdullapurmet (M),
R.R. Dist-501505.