



Babu Jagjivan Ram Government Degree College

Narayanaguda, Hyderabad. (T.S.) 500029

REPORT ON CERTIFICATE COURSE (2017-2018)

- 1. Name of the Course: Certificate Course on Programming Logic and Design.
- 2. Department: Computer Science
- 3. Duration:01.08.2017 to 22.08.2017 No. of hours 30 Hours, No. of days 15 Days
- 4. Whether brochure containing details of curriculum, assessment, procedures, etc., is enclosed? Yes
- 5. Number of students enrolled: 30 No.s
- 6. Whether list of students is enclosed? (Yes/No): Yes
- 7. Brief Report of the Certificate Course along with the outcome:

Objectives:

The certificate course is aimed to impart programming logic and design skills to the UG students especially aimed for the entry level UG Students.

Report:

A total of 30 Students have joined the certificate course. These students are quite punctual and found enthusiastic while learning the course.

Outcome: The course have shown profound improvement in programming logic and design skills in UG entry level students. The course also motivated these students to pursue next level advanced programming languages in forthcoming academic year.

Babu Jagjivan Ram Government Degree College Narayanaguda, Hyderabad. (T.S.) 500029

NOTICE

29.07.2017

This is to inform all the students of B.A, B.Com and B.Sc that the department of computer science is organizing a certificate course titled "Programming Logic and Design" to be scheduled from 01.08.2017 through 22.08.2017 for a period of 30 Hours. Interested students are requested to contact the in-charge, department of computer science and register for the course on or before 30.07.2017.

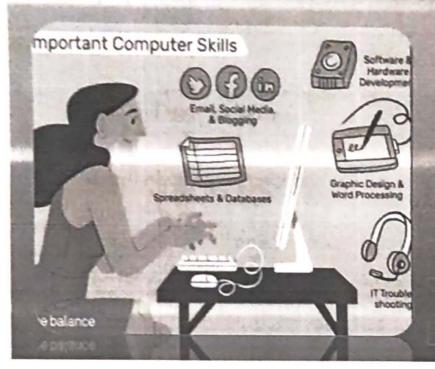
Principal PRINCIPAL

B.J.R. Govt. Degree College Vittal Wadi, Narayangudo Hyderabad, T.S.



BJR Government Degree College, Hyderabad Department of Computer Science

Programming Logic and Design



About the Course: The certificate course is aimed to impart programming logic and design skills to the UG students especially aimed for the entry level UG Students

Duration: 01.08.2017 - 22.08.2017 (30 Hours)

Registration: Please register on or before 31.07.2017

Contact Incharge, Department of Computer Science

Course Brochure

PRINCIPAL

J.R. Govt. Degree College

Vittal Wadi, Narayanguda,

Hyderabad, T.S.

Programming Logic and Design

Duration: 30

Syllabus

Hours	Topic					
1-2.	Course Orientation, Using <u>Canvas</u> , Downloading resources					
3-4	Computer Programming Introduction, Binary Numbering System					
5-6	Input, Processing, Output; Variables, Data Types, Pseudo code					
7-8	Flowcharting, Using Raptor© to flowchart					
9-10	Modular Programming					
11-12	Modular Programming					
13-14	Decision Structures: Boolean Logic					
15-16	Decision Structures: Case form					
17-18	Looping Structures: While Do, Do Until					
19-20	Looping Structures: For loop					
21-22	Data Validation					
23-24	Arrays, Processing Arrays with Loops					
24-26	Object Oriented Programming Introduction					
27-28	Class ,Object, Polymorphism					
29-30	Inheritance, Dynamic Binding					

List of Students - programming Logic & Design (2017-2018)

17011070111001	AMGOTHU REVANTH
17011070111002	A NITHIN KUMAR
17011070111003	ANUGULA MADHURI
17011070111004	ARUGONDA SAI GANESH
17011070111005	BANTU PRADEEP KUMAR
17011070111006	B GANESH
17011070111007	BIJIGIRI ARUN KUMAR
17011070111008	CHAVAN DHYANESHWAR
17011070111009	CHOWHAN PRAKASH
17011070111010	DUDDU MAHESHBABU
17011070129001	BANAVATH SRIRAM
17011070129002	BANOTH NAVEEN KUMAR
17011070129003	BANOTH PRAKASH
17011070129004	B HARISH
17011070129005	BHOOTHKURI VAMSHI
17011070129006	BOYA RAMESH
17011070129007	CHAKALI PAVAN KUMAR
17011070129008	C MAHESH
17011070129009	DANDUGULA NAVEEN
17011070129010	DAPPU GOPI
17011070156504	B RAJU
17011070156505	CH DURGAIAH
17011070156506	DANDEM PRASHANTH
17011070156507	GADDA RAJU
17011070156508	JANGA SHIVA KUMAR
17011070156509	K KRISHNA
17011070156510	MAVILLA BALRAJ
17011070156511	MUDAVATH SRIKANTH
17011070156512	NALLA RAJA SHEKAR
17011070156513	NENAVATH HANMANTHU



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Final Assessment - Question Paper

Sub: PROGRAMMING LOGIC AND DESIGN

A VARIABLE'S IN NO WAY INFLUENCES HOW THE METHOD IS CALLED FROM A) LOCAL NAME B) DATA TYPE C) SIZE (D) DEFINITION	
2.YOU CAN CIRCUMVENT POTENTIAL PROBLEM CAUSE BY A USER'S INVALID DATA ENTRIES BY THE USER'S INPUT (A) GROUPING (B) DENYING (C)VALIDATING (D) MODIFYING	
3.THE ORDER THAT ARRAY ELEMENTS ARE STORED IN BASE ON THEIR MEMORY ADDRESS IS THE ORDER (A) NUMERIC (B) PHYSICAL (C) LOGICAL (D) INDEX	SS
4. YOU NEED TO UNDERSTAND A SUBROUTINE'S IN ORDER TO USE IT (A) INTERNAL STRUCTURE (B) PROGRAMMING STYLE (C) LOCAL VARIABLES (D) INTERFACE	
5.WHEN MATCHING RECORDS BETWEEN FILES THEY MUST BE : (A) SORTED IN THE SAME ORDER (B) PADDED TO HAVE THE SAME LENGTH (C) BACKED UP (D) PRINTED	
6. WHEN A MENU CONTAINS NUMEROUS OPTION, IT IS MORE ELEGANT TO USE A(N) STRUCTURE THAN A SERIES OF DECISIONS. (A)CASE (B) LOOP (C) IF-THEN-ELSE (D) BATCH 7. WHAT TYPE OF VARIABLES CAN BE USED TO REDUCE UNNECESSARY COMPARISION A BUBBLE SORT. (A) TEMPORARY (B) FLAG (C) INTEGER (D) ARRAY	N IN
8. USUALLY A PROGRAM THAT PROCESSES AN ARRAY USES A: (A)DECISION (B) OUTPUT REPORT (C) BATCH (D) LOOP	PECOF
9. WHEN MERGING FILES, A IS USED TO DETERMINE WHICH FILE THE NEXT R COMES FROM. (A) COMPARISON (B) ARRAY (C) SEQUENCE (4) FLAG	.2001

WHEN MERGING 2 FILES, WHAT CONDITION TERMINATES THE MAIN LOOP OF THE PROGRAM. PROBLEM THE FIRST FILE REACHS EOF vernment (A) WHEN THE SECOND FILES REACHES EOF (B) WHEN BOTH FILES REACH Hyderabad. (T. (C) WHEN 100 RECORDS HAVE BEEN PROCESS 11. ONE OF THE THINGS YOU NEED TO FIND OUT ABOUT A MODULE YOU WISH TO CALL IS THE: (A) ARGUMENT LIST (B) LOCAL VARIABLE NAMES (C) NUMBER OF LINES CODE (D)ORIGINAL PROGRAMMERS NAME 12. PASSING VALUES TO MODULE HELPS FACILITATE: (A) CONFUSION (B) ENCAPSULATION (C) SHARING (D) REUSE 13. WHAT IS THE LOOSEST STYLE OF COUPLING? (A) EXTERNAL (B) DATA-SHARED (C) CONTROL (D) DATA 14. WHICH OF THE FOLLOWING SORTING METHODS IS THE LEAST EFFICIENT? (A) INSERTION (B) SELECTION (C) BASIC BUBBLE SORT (D) OPTIMIZED BUBBLE SORT SORT ALL OF THE ARRAY ELEMENTS ARE MOVED TO MAKE ROOM FOR 15. IN A (N) THE NEWLY SORTED ELEMENT. (A) SWAP (B) SELECTION (C) BUBBLE (D)INSERTION 16. WHAT TYPE OF VARIABLE IS USED TO HELP MOVE ARRAY ELEMENTS IN A SELECTION SORT? (A) SWAP (B) TEMPORARY (C)FLAG (D) ARRAY CONTAINS AN EXTRA FIELD IN EACH RECORD THAT HOLDS A POINTER TO THE NEXT LOGICAL RECORD. (A) LINK LIST (B) INDEX (C) PHYSICAL MEMORY (D) RANDOM-ACCESS MEMORY APPLICATION USUALLY INVOLVES THE USER TYPING A CHOICE AT THE 18. A COMMAND PROMPT (A) GRAPHICAL USER INTERFACE (B) BATCH (C) CONSOLE (D) GUI 19. WHEN PROGRAMMER WRITES A PROGRAM ,SHE MAY LEAVE CERTAIN MODULE DEFINITIONS AS WHEN WORKING ON THE MAINLINE LOGIC. (A) SHELLS (B) STUBS

(C) STANDARDS (D) BATCHES

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Course Completion Result

17011070111001	AMGOTHU REVANTH	Course Completed
17011070111002	A NITHIN KUMAR	Course Completed
17011070111003	ANUGULA MADHURI	Course Completed
17011070111004	ARUGONDA SAI GANESH	Course Completed
17011070111005	BANTU PRADEEP KUMAR	Course Completed
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17011070156512	NALLA RAJA SHEKAR	Course Completed
17011070156513	NENAVATH HANMANTHU	Course Completed

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Course Completion Certificate(s)



SJR GOVERNMENT DEGREE COLLEGE Narayanguda, Hyderabad



Department of Computer Science/Applications

Certificate

This is to certify that Mr/Ms. 8 HARISH	
hearing registered no. 1070-12-121-003 has succe	ssfully completed
the certificate course on PROGRAMMING LOGIC	AND DESIGN
held during 01-08-2017 to 22-08-2017.	
e. Surviva pa Pero	Principal
Coordinator	•

PRINCIPAL

3.J.R. Govt. Degree Colleg Vittal Wadi, Narayanguda, Hyderabad, T.S.

Students Attendance

Students Attendance - Pringramming Light and Design (2017-2018)

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