Certificate Course on Programming Logic and Design

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

REPORT ON CERTIFICATE COURSE (2015-2016)

1. **Name of the Course:** Certificate Course on Programming Logic and Design.

2. **Department:** Computer Science

3. **Duration:** 03.08.2015 to 07.09.2015   No. of hours – 30 Hours, No. of days - 30 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.

Signature of I/C of Dept.: ....

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NOTICE

01.08.2015

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 scheduled from 03.08.2015 through 07.09.2015 for a period of 30 Hours. Interested students are requested to contact the in-charge, department of computer science and register for the course.
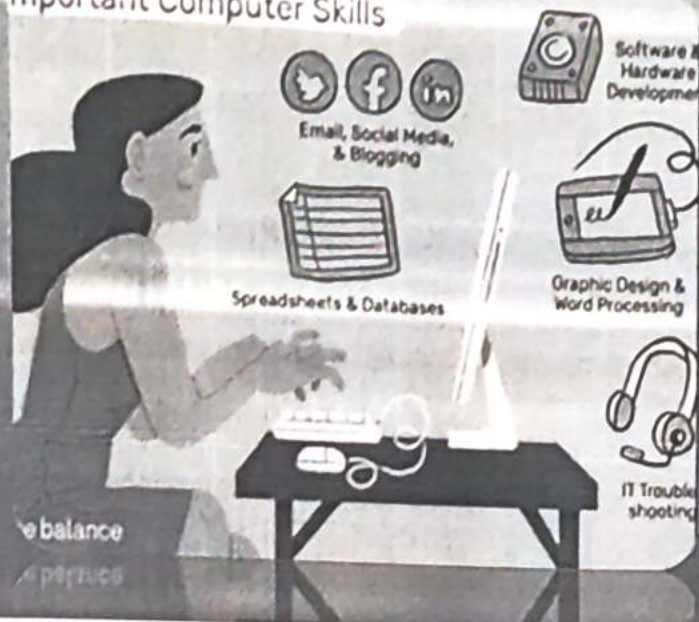
Principal

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Hal Wadi, Narayanguda,
Hyderabad. T.S.

BJR Government Degree College, Hyderabad
Department of Computer Science

Certificate Course on
Programming Logic and Design

mportant Computer Skills

Software &
Hardware
Developmen

Email, Social Media,
& Blogging

Spreadsheets & Databases

Graphic Design &
Word Processing

IT Trouble
shooting

e balance

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: 03.08.2015 – 07.09.2015
(30 Hours)

Registration: Please register on or before 01.08.2015

Contact: Incharge, Department of Computer Science

Certificate Brochure

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Programming Logic and Design

Duration: 30 Hours

Syllabus

Hours	Topic
1-2.	Course Orientation, Using **Canvas**, 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

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List of Students - programming Logic & Design (2015-2016)

107015129001	Cherukuri Vinay Kumar
107015129002	Md Atif Hassan
107015129003	Syed Muneer Ahmed
107015129004	Salagonda Srikanth
107015129005	A.Hemanth reddy
107015129006	A.Ramya
107015129007	V.Srikanth
107015129008	MD.Abdulla
107015129009	Syed Altaf
107015129010	MD.Abrarur rehaman
107015156501	M.Bharath Kumar
107015156502	S.Rajanna
107015156503	K.Swamy
107015156504	D.Raghaveder Reddy
107015156505	K.Nandu
107015156506	G.Nagesh
107015156507	Anantaiah
107015156508	R.Nikil
107015156509	M.Devender
107015156510	K.Narsimha
107015401001	Md. Nawaz uddin
107015401002	Akram Hussain
107015401003	Ali Asgar
107015401004	Ali Bin Ahmed
107015401005	Md.Aijaz
107015401006	Md. Abdul Kaleem
107015401007	Md.Abdullah
107015401008	Md.Faheem Uddin
107015401009	Md.Nazeeruddin
107015401010	Md.Noman

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Final Assessment – Question Paper

07.09.2015

Sub: PROGRAMMING LOGIC AND DESIGN

1. A VARIABLE'S _____ IN NO WAY INFLUENCES HOW THE METHOD IS CALLED FROM ANOTHER MODULE
(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

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 IN A BUBBLE SORT.
(A) TEMPORARY
(B) FLAG
(C) INTEGER
(D) ARRAY

8. USUALLY A PROGRAM THAT PROCESSES AN ARRAY USES A :
(A) DECISION
(B) OUTPUT REPORT
(C) BATCH
(D) LOOP

9. WHEN MERGING FILES, A _____ IS USED TO DETERMINE WHICH FILE THE NEXT RECORD COMES FROM.
(A) COMPARISON
(B) ARRAY
(C) SEQUENCE

(4) FLAG

10. WHEN MERGING 2 FILES, WHAT CONDITION TERMINATES THE MAIN LOOP OF THE PROGRAM.
(A) WHEN THE FIRST FILE REACHS EOF
(B) WHEN THE SECOND FILES REACHES EOF
(C) WHEN BOTH FILES REACH
(D) 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

15. IN A (N) _____ SORT ALL OF THE ARRAY ELEMENTS ARE MOVED TO MAKE ROOM FOR 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

17. _____ 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

18. A _____ APPLICATION USUALLY INVOLVES THE USER TYPING A CHOICE AT THE 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

Course Completion Result

Roll No.	Student Name	Course Completion Status
107015129001	Cherukuri Vinay Kumar	Course Completed
107015129002	Md Atif Hassan	Course Completed
107015129003	Syed Muneer Ahmed	Course Completed
107015129004	Salagonda Srikanth	Course Completed
107015129005	A.Hemanth reddy	Course Completed
107015129006	A.Ramya	Course Completed
107015129007	V.Srikanth	Course Completed
107015129008	MD.Abdulla	Course Completed
107015129009	Syed Altaf	Course Completed
107015129010	MD.Abrarur rehaman	Course Completed
107015156501	M.Bharath Kumar	Course Completed
107015156502	S.Rajanna	Course Completed
107015156503	K.Swamy	Course Completed
107015156504	D.Raghaveder Reddy	Course Completed
107015156505	K.Nandu	Course Completed
107015156506	G.Nagesh	Course Completed
107015156507	Anantaiah	Course Completed
107015156508	R.Nikil	Course Completed
107015156509	M.Devender	Course Completed
107015156510	K.Narsimha	Course Completed
107015401001	Md. Nawaz uddin	Course Completed
107015401002	Akram Hussain	Course Completed
107015401003	Ali Asgar	Course Completed
107015401004	Ali Bin Ahmed	Course Completed
107015401005	Md.Aijaz	Course Completed
107015401006	Md. Abdul Kaleem	Course Completed
107015401007	Md.Abdullah	Course Completed
107015401008	Md.Faheem Uddin	Course Completed
107015401009	Md.Nazeeruddin	Course Completed
107015401010	Md.Noman	Course Completed

Students Course Completion Certificate(s)

BJR GOVERNMENT DEGREE COLLEGE
Narayanguda, Hyderabad

Department of Computer Science/Applications

Certificate

This is to certify that Mr/Ms. __Ch. Vinay Kumar__

bearing registered no. __1070-15-129-001__ has successfully completed

the certificate course on __Programming Logic and Design__

held during __03.08.2015__ to __07.9.2015__ .

K. ~~~~~~~~ Reo
Coordinator

Principal

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Hyderabad. T.S.

Student Attendance

Student Attendance - Programming Logic and Design (2015-16)

SNo.	Sname	03.08.15	04.08.15	05.08.15	06.08.15	07.08.15	11.08.15	12.08.15	13.08.15	14.08.15
107015129001	Ch Vinay Kumar									
107015129002	Md Atif Hassan									
107015129003	Syed Muneer Ahmed									
107015129004	Salagonda Srikanth									
107015129005	A.Hemanth seddy									
107015129006	A.Ramya									
107015129007	V.Srikanth									
107015129008	MD.Abdulla									
107015129009	Syed Altaf									
107015129010	MD.Abrarur rehaman									
107015156501	M.Bharath Kumar									
107015156502	S.Rajanna									
107015156503	K.Swamy									
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107015156505	K.Nandu									
107015156506	G.Nagesh									
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107015156508	R.Nikil									
107015156509	M.Devender									
107015156510	K.Narsinha									
107015401001	Md. Nawaz uddin									
107015401002	Akram Hussain									
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107015401006	Md. Abdul Kaleem									
107015401007	Md.Abdullah									
107015401008	Md.Faheem Uddin									
107015401009	Md.Nazeeruddin									
107015401010	Md.Noman									

SNo.	Sname	17.08.15	18.08.15	19.08.15	20.08.15	21.08.15	24.08.15	25.08.15	26.08.15	27.08.15
107015129001	Ch Vinay Kumar									
107015129002	Md Atif Hassan									
107015129003	Syed Muneer Ahmed									
107015129004	Salagonda Srikanth									
107015129005	A.Hemanth reddy									
107015129006	A.Ramya									
107015129007	V Srikanth									
107015129008	MD.Abdulla									
107015129009	Syed Altaf									
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107015156501	M.Bharath Kumar									
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107015401002	Akram Hussain									
107015401003	Ali Asgar									
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107015401006	Md. Abdul Kaleem									
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107015401009	Md.Nazeeruddin									
107015401010	Md.Noman									

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SNo.	Sname	29.08.15	31.08.15	01.09.15	02.09.15	03.09.15	04.09.15	05.09.15	07.09.15
107015129001	Ch Vinav Kumar								
107015129002	Md Atif Hassan								
107015129003	Syed Muneer Ahmed								
107015129004	Salagonda Srikanth								
107015129005	A.Hemanth reddy								
107015129006	A.Ramya								
107015129007	V.Srikanth								
107015129008	MD.Abdulla								
107015129009	Syed Altaf								
107015129010	MD.Abrarur rehaman								
107015156801	M.Bharath Kumar								
107015156802	S.Rajanna								
107015156803	K.Swamy								
107015156804	D.Raghaveder Reddy								
107015156805	K.Nandu								
107015156806	G.Nagesh								
107015156807	Anantaiah								
107015156808	R.Nikil								
107015156809	M.Devender								
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