



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Requisition Letter

Date: 05.07.2019

From
Dr. K.P.Kaliyamurthi,
Professor & Head,
Department of CSE,
Bharath Institute of Higher Education and Research,
Chennai

To
The Dean Engineering,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir


Subject: Request of Permission to conduct a value-added course on "**Certificate course on Computer Operator and Programming Assistant**" -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course "**Certificate course on Computer Operator and Programming Assistant**" -Reg in our campus premises on **15.07.2019**, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: **CSE Smart Room**

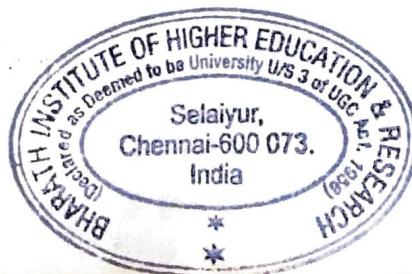
Timing: 9:30 AM to 12:30 PM (FN) and 1:30 PM to 4:30 PM(AN) and Saturday (FN&AN).

Submitted to Principal for approval to organize this value-added course.


HOD

HEAD OF DEPARTMENT

Department Of Computer Science & Engg.
Bharath Institute Of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act 1956)
Chennai - 600 073. INDIA




DEAN ENGINEERING
DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act. 1956)
Selaiyur, Chennai-600 073.



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CIRCULAR

10.07.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Computer operator and Programming Assistant** for the benefit of students. This course is scheduled from 15.07.2019 to 27.07.2019 which includes theory and practical. The timings are 9:30 AM to 12:30 PM (FN) and 1:30 PM to 4:30 PM(AN) and Saturday (FN&AN).

All Registered Students must attend all the classes without fail. The following faculty members are assigned to handle the course. S.NO	Name of the Faculty	Designation
1	Dr. C. Rajabhushnam	Professor
2	Mr. R. Sridhar	Assistant Professor

Head of Department

To

Copy to CSE

Copy to IT

HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
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Chennai - 600 073. INDIA



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CERTIFICATE COURSE ON COMPUTER OPERATOR AND PROGRAMMING ASSISTANT

Date of Introduction of the Course: 03.08.2019

COURSE SYLLABUS

1. INTRODUCTION

List hardware components of a computer; explain what is software and the different types of software;

2. EVOLUTION AND DEVELOPMENT OF COMPUTING

The first generations (1945-1954) .The second generation (1955-1964) .The third generation (1965- 1974) .The fourth generation (1974-1991) the fifth generation (1991- Present).

3. HARDWARE COMPONENTS OF COMPUTERS

Autonomous computer, Modem or Lan Card, Connection from ISP, Normal phone line (If dial up connection), and Browsing software.

4. WHAT IS SOFTWARE?

Software consists of computer programs, which are sequences of instructions for the computer Difference between System Software and Application Software.

5. SYSTEM SOFTWARE: FUNCTIONAL CATEGORIES

Basically two major functional categories come under the system software: System Control Programs System Support programs

6. SYSTEM CONTROL PROGRAMS

System control programs control the use of the hardware, software and data resources of a computer system. The main system control program is the Operating System.

7. SYSTEM SUPPORT PROGRAMS

The second major category of systems software, system support program, supports the operations, management, and users of a computer system by providing a variety of support services

8. SOFTWARE CRISIS

Software comprises a much larger percentage of the cost of modern computer system than it was earlier. There are so many grounds for this trend

9. APPLICATION SOFTWARE OR PACKAGES

Spreadsheet, Data Management, Word Processing, Desktop Publishing, Graphics, Multimedia, Communications, Speech-Recognition Software and GroupWare.

10. TYPES OF SOFTWARE SYSTEM

Software System software helps run the computer hardware and computer system. It includes Windows, Linux etc. Utilities Disk defragmenter Anti-virus Device drivers etc.

11. PROGRAMMING SOFTWARE

Programming software usually provides tools to assist a programmer, and software using different programming languages in a more convenient way.

12. APPLICATION SOFTWARE INDUSTRIAL AUTAMATION

CAD Business software E.g. Pastel Accounting, QuickBooks etc. Computer games E.g. Solitaire, Need for Speed etc. Office Applications E.g. MS Word, MS PowerPoint etc.

COURSE OBJECTIVES

This course aims at **gaining knowledge about Hardware and maintenance**, its aims, aspects and relations to other fields. It also aims at acquainting students with the implementation of hardware and its characteristics, components and functions.

Specifically, the course has the following objectives:

Students will learn

1. Describe the evolution and development of computing;
2. List hardware components of a computer;
3. Explain what is software and the different types of software; and
4. Discuss major problems faced by the management, namely software crisis.



COURSE COORDINATOR



HEAD OF THE DEPARTMENT

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Department Of Computer Science & Engg.,
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Chennai - 600 073, INDIA



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CERTIFICATE COURSE ON COMPUTER OPERATOR AND PROGRAMMING ASSISTANT

Date of Introduction of the Course: 03.08.019

**The timings are 9:30 AM to 12:30 PM (FN) and 1:30 PM to 4:30 PM (AN)
Saturday (FN&AN).**

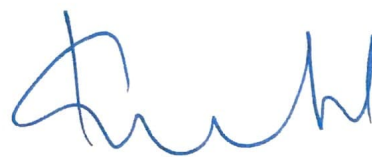
Time Table & Lesson plan

CLASS	DATE	TOPIC
1	15-07-2019 (FN)	1. INTRODUCTION List hardware components of a computer; explain what is software and the different types of software;
2	16-07-2019 (FN)	2. EVOLUTION AND DEVELOPMENT OF COMPUTING The first generations (1945-1954) .The second generation (1955-1964) .The third generation (1965-1974) .The fourth generation (1974-1991) the fifth generation (1991- Present).
3	17-07-2019 (FN)	. HARDWARE COMPONENTS OF COMPUTERS Autonomous computer, Modem or Lan Card, Connection from ISP,
4	18-07-2019(FN)	WHAT IS HARDWARE? Normal phone line (If dial up connection), and Browsing software.
5	19-07-2019 (FN)	WHAT IS SOFTWARE? Software consists of computer programs, which are sequences of instructions for the computer Difference between System Software and Application Software.
6,7	20-07-2019 (FN & AN)	SYSTEM CONTROL PROGRAMS System control programs control the use of the hardware, software and data resources of a computer

		system. The main system control program is the Operating System.
8	22-07-2019 (FN)	. SYSTEM SUPPORT PROGRAMS The second major category of systems software, system support program, supports the operations, management, and users of a computer system by providing a variety of support services
9	23-07-2019 (FN)	SOFTWARE CRISIS Software comprises a much larger percentage of the cost of modern computer system than it was earlier. There are so many grounds for this trend
10	24-07-2019 (FN)	. APPLICATION SOFTWARE OR PACKAGES Spreadsheet, Data Management, Word Processing, Desktop Publishing, Graphics, Multimedia, Communications, Speech-Recognition Software and GroupWare.
11	25-07-2019 (FN)	TYPES OF SOFTWARE SYSTEM Software System software helps run the computer hardware and computer system. It includes Windows, Linux etc. Utilities Disk defragmenter Anti-virus Device drivers etc.
12	26-07-2019 (AN)	PROGRAMMING SOFTWARE Programming software usually provides tools to assist a programmer, and software using different programming languages in a more convenient way.
13,14	27-07-2019 (FN & AN)	APPLICATION SOFTWARE INDUSTRIAL AUTAMATION CAD Business software E.g. Pastel Accounting, QuickBooks etc. Computer games E.g. Solitaire, Need for Speed etc. Office Applications E.g. MS Word, MS PowerPoint etc.



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Chennai - 600 073, INDIA



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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Certificate Course on Computer Operator and Programming Assistant

Date of Introduction of the Course: 03.08.2019

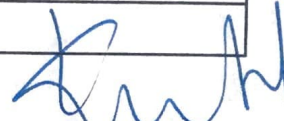
School of Computing Registered Students Name List

S.NO	REG.NO	NAME OF THE STUDENT
1	U19CN098	MANUBOTHU RUPA BHUVANA SRI
2	U19CN099	MAREEDU GIRISH
3	U19CN100	MARELLA LALITH
4	U19CN101	MARRI AJAY
5	U19CN102	MARRIBOYINA SHARAN KUMAR
6	U19CN103	MASANAM RAJENDRA
7	U19CN104	MATAM SHAIK SAKHIB
8	U19CN105	MATSA PRANAY
9	U19CN106	MATTA DINESH MANI KUMAR
10	U19CN107	MAYALURI KOWSALYA
11	U19CN108	MD AFSAR
12	U19CN109	MD FAISHAL KHAN
13	U19CN110	MD NAIYAR ALAM
14	U19CN111	MD SHAHBAZ ALAM
15	U19CN112	MEDAPATI VENKATA SAI RAMI REDDY
16	U19CN113	MEDARAPU GANESH
17	U19CN114	MEDIKONDA HARSHINI REDDY
18	U19CN115	MEENELLI VENKATA HEMANTH KUMAR
19	U19CN116	MEESA MAHENDER
20	U19CN117	MEGHA
21	U19CN118	MEKA DHARANI
22	U19CN119	MENCHU RANADISH
23	U19CN120	MERIPO ANIL BABU
24	U19CN121	MERUGU SAI KRISHNA
25	U19CN122	MERUGU SAI THARUN

26	U19CN123	MHACHEN KIKON
27	U19CN124	MIDDE SAILAJA
28	U19CN125	MIDDE VENKATA RAKESH
29	U19CN126	MILKURI ABHINAV
30	U19CN127	MODDU VAMSI



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Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Certificate course on Computer Operator and Programming Assistant			
Number of Credits					
Type of Course	Regular	Elective	Add-on	<input checked="" type="checkbox"/>	

I. Information on the Respondent: (Tick (✓) Appropriately)

1. **Percentage of classes attended**

0-20		20-40		40-60		60-80		80-100	<input checked="" type="checkbox"/>
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2. **Number of hours per week spent on the course (Other than lecture hours)**

0-2		2-4		4-6		6-8		8-10	<input checked="" type="checkbox"/>
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3. **Preparation for the course by the student:**

(i)	Have done part of this course earlier	Yes
(ii)	Has adequate prior exposure to the prerequisites	Yes
(iii)	Had to pickup relevant additional topics through concurrent study	No
(iv)	Have no exposure to the background material	Yes

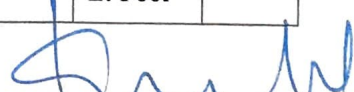
4. **The expectations for taking the course by the student are:**

(a)	Enhance by skill base in the area of specializations	Yes
(b)	Get exposed to a relevant subject	Yes
(c)	Curiosity	Yes
(d)	Better Employment Opportunity	Yes
(e)	Complete Course requirements	No
(f)	To Improve CGPA	

About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)

		A	B	C	D	E
1.	Pace of the Teaching/lecture	<input checked="" type="checkbox"/>				
2.	Comment of the Subject	<input checked="" type="checkbox"/>				
3.	Clarity of expression	<input checked="" type="checkbox"/>				
4.	Level of preparation		<input checked="" type="checkbox"/>			
5.	Level of interaction		<input checked="" type="checkbox"/>			
6.	Accessibility outside the class	<input checked="" type="checkbox"/>				
7.	Others (please specify)	<input checked="" type="checkbox"/>				

A: Excellent		B: Very Good	<input checked="" type="checkbox"/>	C: Good		D: Satisfactory		E: Poor
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HEAD OF THE DEPARTMENT
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 Department Of Computer Science & Engg.,
 Bharath Institute Of Higher Education & Res.
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 Chennai - 600 073, INDIA

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(c)	Curiosity	Yes
(d)	Better Employment Opportunity	Yes
(e)	Complete Course requirements	Yes
(f)	To Improve CGPA	No

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	A	B	C	D	E
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7. Others (please specify)	<input checked="" type="checkbox"/>				

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COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Certificate course on Computer Operator and Programming Assistant			
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Type of Course	Regular		Elective		Add-on <input checked="" type="checkbox"/>

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(d)	Better Employment Opportunity <i>yes</i>
(e)	Complete Course requirements <i>yes</i>
(f)	To Improve CGPA <i>yes.</i>

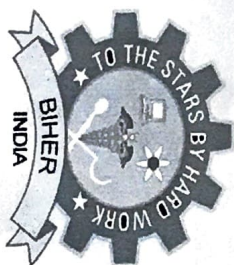
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		A	B	C	D	E
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2.	Content of the Subject	<input checked="" type="checkbox"/>				
3.	Clarity of expression		<input checked="" type="checkbox"/>			
4.	Level of preparation	<input checked="" type="checkbox"/>				
5.	Level of interaction		<input checked="" type="checkbox"/>			
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7.	Others (please specify)	<input checked="" type="checkbox"/>				

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[Signature]
HEAD OF THE DEPARTMENT

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 Department Of Computer Science & Engg.,
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 Chennai - 600 070, INDIA



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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CERTIFICATE OF PARTICIPATION



M.R. MATSA PRANNAY

For actively participating in the value added course "Certificate course on
Computer Operator and Programming Assistant" Conducted by School of
Computing, BIHER from 15-07-2019 to 27.07.2019 .

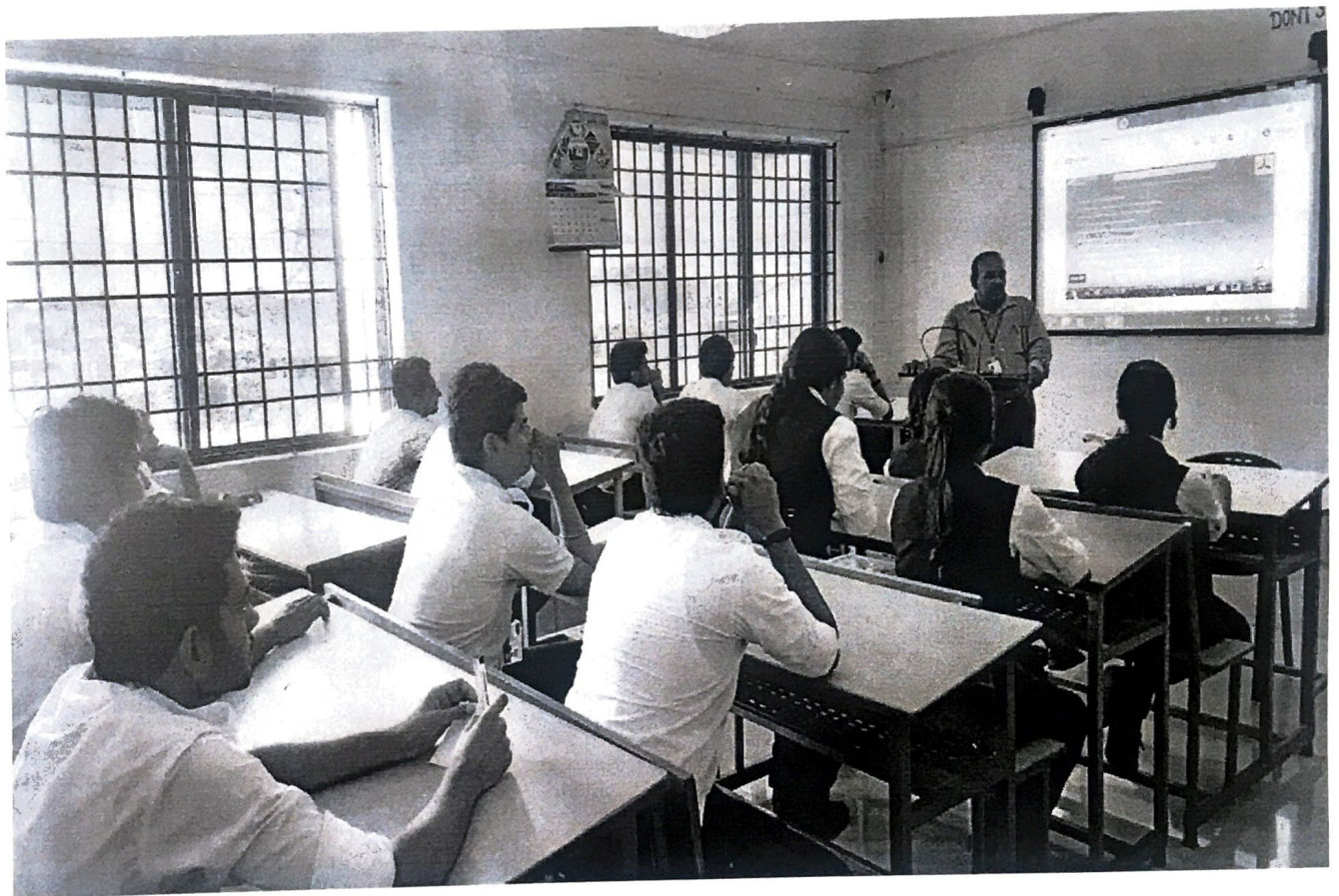
Course Coordinator

Head of the Department

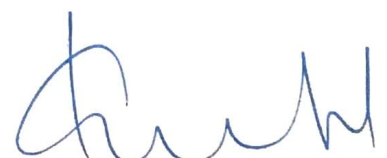
Director

**CERTIFICATE COURSE ON CERTIFICATE COURSE ON COMPUTER
OPERATOR AND PROGRAMMING ASSISTANT**

Introduction of the Course: 03.08.2019




Course Coordinator


Head of the Department
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Department Of Computer Science & Engg.,
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