



Bharath

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

Requisition Letter

Date:20.05.2019

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

To
PRO VICE CHANCELLOR,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir

Subject: Request of Permission to conduct a value-added course on "DATA ENTRY" -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on "DATA ENTRY" in our campus premises from **29.05.2019**. 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)

Selayur, Chennai-600 073.





Bharath

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

CIRCULAR

24.05.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of DATA ENTRY** for the benefit of students. This course is scheduled from 29.05.2019 to 10.06.2019 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. G. Micheal	Professor
2	Mrs. S. Kavitha	Assistant Professor.

Head of Department

HEAD OF DEPARTMENT

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

To

Copy to CSE

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

CERTIFICATE COURSE ON DATA ENTRY

Date of Introduction of the Course: 03.07.2019

COURSE SYLLABUS

1. Introduction to Data entry

Data entry is the process of transcribing information into an electronic medium such as a computer or other electronic device.

2. Getting known to Excel

Microsoft Excel is a software program produced by Microsoft that allows users to organize, format and calculate data with formulas using a spreadsheet system.

3. Knowledge of essential formulas

Being good with formulas allows you to build elegant solutions that avoid complexity
Knowledge of essential formulas

4. Functions in MS Excel

A function in Excel is a pre-set formula, which helps perform mathematical, statistical and logical operations

5. Optimization of Data

The data optimization process makes use of sophisticated data quality tools, such as those provided by precisely, to access, organize, and cleanse data.

6. Data Analysis

It is a collection which we need to make enhancing, classifying, summarising, interpreting, modelling and enlarging the information.

7. MS WORD

A form in Word is a means of soliciting and recording information. You can use forms like the one shown to enter data faster and to reduce data-entry errors.

8. Computer Fundamentals

A form in Word 2016 is a means of soliciting and recording information. You can use forms like the one shown to enter data faster and to reduce data-entry errors.

9. Spreadsheets

There are several ways to add data into a spreadsheet. The simplest data entry technique involves typing the data into a spreadsheet by hand.

10. Basic knowledge of functions, formulas used

To manipulate data and to extract useful information from Excel worksheets, formulas and worksheet functions play very important role.

11. Creating, Editing, Formatting and Managing Data in Spreadsheets

Good formatting will help enhance your data in several ways: Formatting cells so they present data correctly will give more value to your data. Using styles (such as table styles) can make your data stand out and helps the reader to focus on important parts of the worksheet.

COURSE OBJECTIVES

To learn and acquire all the necessary technical skills required for the data entry through MS Office software. This course helps the students to know the tips and tricks of updating, manipulating, editing the data.

Specifically, the course has the following objectives:

Students will learn

1. Understand Data entry and home based entry.
2. Know the qualifications and skills required for Data entry.
3. Get ideas on how to improve skill
4. Ability to multitask effectively.
5. Strong written and verbal communication skills.
6. Ability to perform repetitive tasks with a high degree of accuracy.

G. Mich

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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



Bharath

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

CERTIFICATE COURSE ON DATA ENTRY

Date of Introduction of the Course: 03.07.2019

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	29-05-2019(FN)	1. Introduction to Data entry Data entry is the process of transcribing information into an electronic medium such as a computer or other electronic device.
2	30-05-2019 (FN)	2. Getting known to Excel Microsoft Excel is a software program produced by Microsoft that allows users to organize, format and calculate data with formulas using a spreadsheet system.
3	31-05-2019 (FN)	3. Knowledge of essential formulas Being good with formulas allows you to build elegant solutions that avoid complexity Knowledge of essential formulas
4,5	1-06-2019 (FN & AN)	4. Functions in MS Excel A function in Excel is a pre-set formula, which helps perform mathematical, statistical and logical operation
6	3-06-2019 (FN)	5. Optimization of Data The data optimization process makes use of sophisticated data quality tools, such as those provided by precisely, to access, organize, and cleanse data.
7	4-08-2016 (FN)	6. Data Analysis It is a collection which we need to make enhancing, classifying, summarising, interpreting, modelling and enlarging the information.
8	5-06-2019 (FN)	7. MS WORD

		A form in Word is a means of soliciting and recording information. You can use forms like the one shown to enter data faster and to reduce data-entry errors.
9	6-06-2019 (FN)	8. Computer Fundamentals A form in Word 2016 is a means of soliciting and recording information. You can use forms like the one shown to enter data faster and to reduce data-entry errors.
10	7-06-2019 (FN)	9. Spreadsheets There are several ways to add data into a spreadsheet. The simplest data entry technique involves typing the data into a spreadsheet by hand.
11,12	8-06-2019 (FN & AN)	10. Basic knowledge of functions, formulas used To manipulate data and to extract useful information from Excel worksheets, formulas and worksheet functions play very important role.
13	10-06-2019(FN)	11. Creating, Editing, Formatting and Managing Data in Spreadsheets Good formatting will help enhance your data in several ways: Formatting cells so they present data correctly will give more value to your data. Using styles (such as table styles) can make your data stand out and helps the reader to focus on important parts of the worksheet.

G. Michu

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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Department Of Computer Science & Engg.,
Bharath Institute Of Higher Education & Research
(Declared as Deemed to be University, U.T.C. U.C.C Act. 1955)
Chennai - 600 073, INDIA



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act 1956)
(Vide Notification No. F.9-5/2000 - U.3 Ministry of Human Resource Development, Govt. of India dated 4th July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2019-20

B.Tech Computer Science and Engineering - First Year

S.No	REG.NO	NAME OF THE CANDIDATE
1	U19CB001	THANNEERU RAM PRIYATHAM CHOWDARY
2	U19CB002	THARALA PRANAY
3	U19CB003	THATIPARTHI PAVAN KALYAN REDDY
4	U19CB004	THELLAGORLA RAM GOPI
5	U19CB005	THELLURI HEMANTH RATNA SAGAR REDDY
6	U19CB006	THIRUMAL REDDY NITHIN KUMAR REDDY
7	U19CB007	THIRUMALAI VASAN R
8	U19CB008	THIRUMANI THARUN
9	U19CB009	THOKALA SRI RAM CHARAN
10	U19CB010	THOTA ANAND
11	U19CB011	THOTA BHARATH KUMAR
12	U19CB012	THOTA DINESH
13	U19CB013	THOTA HEMANTH
14	U19CB014	THOTAKURA VEERA SATYA SAI CHANDRA
15	U19CB015	THULLURI SAI RAM
16	U19CB016	TIKKALA PARTHIV ADITYA
17	U19CB017	TIRUMALASETTI PAVAN SAI
18	U19CB018	TIRUVEEDULA SATISH
19	U19CB019	TOGARANA YASWANTH
20	U19CB020	TOKLE PRASAD UDDHAV
21	U19CB021	TUMMALA ANJAN MAHESH BABU
22	U19CB022	TUNGALA TEJOSAI
23	U19CB023	ULLI MANIKANTA
24	U19CB024	UMMAGANI VIGNESH
25	U19CB025	UNDAMATLA VENKATA PRASAD
26	U19CB026	UNDELA LEKHANA
27	U19CB027	UNDRA VAMSI KRISHNA
28	U19CB028	S UPENDRA REDDY
29	U19CB029	UPPALA HARSHAVARDHAN SAI
30	U19CB030	UPPALA RAKESH
31	U19CB031	UPPALA SAI PRASAD
32	U19CB032	UPPALAPATI PAVAN KUMAR
33	U19CB033	UPPARI SAI RAHUL
34	U19CB034	UPPU SATHISH
35	U19CB035	UPPUTURI AKANKSHA
36	U19CB036	VADDELLI SRIJA
37	U19CB037	VADDI AKASH

38	U19CB038	VADLA SAI BHARGAVA ACHARI
39	U19CB039	VADLA SHRAVAN KUMAR
40	U19CB040	VADLA VENKAT JAYANTH ACHARI
41	U19CB041	VADLAKONDA SAI KIRAN
42	U19CB042	VADLAMUDI ANIL
43	U19CB043	VADLAMUDI MAHESH
44	U19CB044	VAKKALAGADDA BHARGAVI
45	U19CB045	VALLABHASETTI DURGA KALYAN

G. Mich .

Course Coordinator

HOD

HEAD OF DEPARTMENT

Department Of Computer Science & Engg.

Bharath Institute Of Higher Education & Research

(Declared as Deemed to be University) U.S.O Of UGC Act, 1956.

Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		DATA ENTRY			
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	<input checked="" type="checkbox"/>	80-100	
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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	No
(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	Yes
(f)	To Improve CGPA	Yes

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓				
2.	Comment of the Subject	✓				
3.	Clarity of expression	✓				
4.	Level of preparation	✓				
5.	Level of interaction		✓			
6.	Accessibility outside the class	YES ✓				
7.	Others (please specify)	YES ✓				

A: Excellent		B: Very Good	<input checked="" type="checkbox"/>	C: Good		D: Satisfactory		E: Poor	
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HEAD OF THE DEPARTMENT

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		DATA ENTRY			
Number of Credits					
Type of Course	Regular		Elective		Add-on <input checked="" type="checkbox"/>

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(i)	Have done part of this course earlier	No
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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	YES <input checked="" type="checkbox"/>				
7.	Others (please specify)	YES <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

HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.,
 Bharath Institute Of Higher Education,
 (Delaware) NJ

COURSE FEEDBACK FORM

Academic Year		2019-2020					
Term							
Course Number							
Course Title		DATA ENTRY					
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	<input checked="" type="checkbox"/>	80-100	
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(d)	Better Employment Opportunity	Yes
(e)	Complete Course requirements	Yes
(f)	To Improve CGPA	Yes

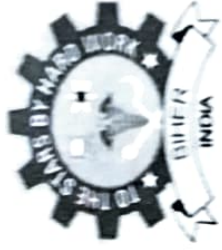
About the Instructor: Information on the Respondent: (Tick (√) Appropriately)

		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	YES <input checked="" type="checkbox"/>				
7.	Others (please specify)	YES <input checked="" type="checkbox"/>				

A: Excellent	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor
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 Chennai - 600 073. INDIA



Ashworth

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

CERTIFICATE OF PARTICIPATION



MR. THOTA ANAND

For actively participating in the value added course "DATA
ENTRY" - Conducted by School of Computing, BHIER
from 29-05-2019 to 10.06-2019 .

G. Meek

Course Coordinator

[Signature]

Head of the Department

[Signature]

Director

CERTIFICATE COURSE ON DATA ENTRY

Introduction of the Course: 3.07.2019



G. Mich

Course Coordinator

[Handwritten Signature]

Head of the Department

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
Chennai - 600 073, INDIA



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BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No.173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

Requisition Letter

Date:20.05.2019

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

To
PRO VICE CHANCELLOR,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir

Subject: Request of Permission to conduct a value-added course on “NETWORKING” -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “NETWORKING” in our campus premises from **29.05.2019**, 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
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Selaiyur, Chennai-600 073.





Bharath

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

CIRCULAR

24.05.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of NETWORKING** for the benefit of students. This course is scheduled from 24.05.2019 to 10.6.2019 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. Nalini	Professor
2.	Mrs. B. Lakshmi	

Head of Department

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)
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To

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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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CERTIFICATE COURSE ON NETWORKING

Date of Introduction of the Course: 03.07.2019

COURSE SYLLABUS

1. Introduction to Networking

A network, is a collection of computers and other hardware components interconnected by communication channels that allow sharing of resources and information

2. Networking Standards and the OSI Model

It is a layered, abstract definition for communications protocol and computer network protocol design.

3. Transmission Basics and Networking Media

In data communication terminology, a transmission medium is a physical path between the transmitter and the receiver i.e. it is the channel through which data is sent from one place to another.

4. Introduction to TCP/IP Protocols Topologies and Ethernet Standards

TCP/IP, in full Transmission Control Protocol/Internet Protocol, standard Internet communications protocols that allow digital computers to communicate over long distances.

5. Network Hardware

Networking hardware. Computers need networking hardware in order to connect to each other. Routers, hubs, switches and bridges are all pieces of networking equipment that can perform slightly different tasks.

6. WANs and Remote Connectivity

Wide-area network (WAN) is a collection of local-area networks (LANs) or other networks that communicate with one another. A WAN is essentially a network of networks, with the Internet the world's largest WAN.

7. Wireless Networking

A wireless network is a computer network that uses wireless data connections between network nodes.

8. Network Operating Systems Voice and Video over IP

Voice over IP converts data, such as voice or video, into a digital signal and transfers it over the internet as digital data packets. In order to use VoIP technology, you need a VoIP service or application to facilitate the calls, internet access, and a SIP trunk or VoIP provider.

9. Network Security.

It is a set of rules and configurations designed to protect the integrity, confidentiality and accessibility of computer networks and data using both software and hardware technologies.

10. Troubleshooting Network Problems

A Network Monitoring (or Network Performance Monitoring) tool monitors end-to-end network performance to identify network issues affecting your end-users and customers - even if those network problems may reside outside of your local network infrastructure.

11. Ensuring Integrity and Availability

Confidentiality is limiting data access, integrity is ensuring your data is accurate, and availability is making sure it is accessible to those who need it.

COURSE OBJECTIVES

To learn and analyse and visualize about computer network organization and implementation, obtaining a theoretical understanding of data communication and computer networks, and gaining practical experience in installation, monitoring, and troubleshooting of current LAN systems.

Specifically, the course has the following objectives:

Students will learn

1. To develop an understanding of computer networking basics
2. To develop an understanding of different components of computer networks, various protocols, modern technologies and their applications.
3. Recognize the technological trends of Computer Networking.
4. Discuss the key technological components of the Network.
5. Evaluate the challenges in building networks and solutions to those.

Plu N. Anitha
Course Coordinator

Krish
HOD

HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
Bharath Institute Of Higher Education & Research
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CERTIFICATE COURSE ON NETWORKING

Date of Introduction of the Course: 03.07.2019

**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	29-05-2019(FN)	1. Introduction to Networking A network, is a collection of computers and other hardware components interconnected by communication channels that allow sharing of resources and information.
2	30-05-2019 (FN)	2. Networking Standards and the OSI Model It is a layered, abstract definition for communications protocol and computer network protocol design.
3	31-05-2019 (FN)	3. Transmission Basics and Networking Media In data communication terminology, a transmission medium is a physical path between the transmitter and the receiver i.e. it is the channel through which data is sent from one place to another.
4	1-06-2019 (FN & AN)	4. Introduction to TCP/IP Protocols Topologies and Ethernet Standards TCP/IP, in full Transmission Control Protocol/Internet Protocol, standard Internet communications protocols that allow digital computers to communicate over long distances.
5	3-06-2019 (FN)	5. Network Hardware Networking hardware. Computers need networking hardware in order to connect to each other. Routers, hubs, switches and bridges are all pieces of networking equipment that can perform slightly different tasks.

6	04-06-2019 (FN)	6. WANs and Remote Connectivity Wide-area network (WAN) is a collection of <u>local-area networks</u> (LANs) or other networks that communicate with one another. A WAN is essentially a network of networks, with the Internet the world's largest WAN.
7	05-06-2019 (FN)	7. Wireless Networking A wireless network is a computer network that uses wireless data connections between network nodes.
8	06-06-2019 (FN)	8. Network Operating Systems Voice and Video over IP Voice over IP converts data, such as voice or video, into a digital signal and transfers it over the internet as digital data packets. In order to use VoIP technology, you need a VoIP service or application to facilitate the calls, internet access, and a SIP trunk or VoIP provider.
9	07-06-2019(FN)	9. Network Security. It is a set of rules and configurations designed to protect the integrity, confidentiality and accessibility of computer networks and data using both software and hardware technologies.
10	08-06-2019 (FN & AN)	10. Troubleshooting Network Problems A Network Monitoring (or Network Performance Monitoring) tool monitors end-to-end network performance to identify network issues affecting your end-users and customers - even if those network problems may reside outside of your local network infrastructure.
11	10-06-2019 (AN)	11. Ensuring Integrity and Availability Confidentiality is limiting data access, integrity is ensuring your data is accurate, and availability is making sure it is accessible to those who need it.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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Department Of Computer Science & Engg.,
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2019-20

B.Tech Computer Science and Engineering - First Year

S.No	REG.NO	NAME OF THE CANDIDATE
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2	U19CB002	THARALA PRANAY
3	U19CB003	THATIPARTHI PAVAN KALYAN REDDY
4	U19CB004	THELLAGORLA RAM GOPI
5	U19CB005	THELLURI HEMANTH RATNA SAGAR REDDY
6	U19CB006	THIRUMAL REDDY NITHIN KUMAR REDDY
7	U19CB007	THIRUMALAI VASAN R
8	U19CB008	THIRUMANI THARUN
9	U19CB009	THOKALA SRI RAM CHARAN
10	U19CB010	THOTA ANAND
11	U19CB011	THOTA BHARATH KUMAR
12	U19CB012	THOTA DINESH
13	U19CB013	THOTA HEMANTH
14	U19CB014	THOTAKURA VEERA SATYA SAI CHANDRA
15	U19CB015	THULLURI SAI RAM
16	U19CB016	TIKKALA PARTHIV ADITYA
17	U19CB017	TIRUMALASETTI PAVAN SAI
18	U19CB018	TIRUVEEDULA SATISH
19	U19CB019	TOGARANA YASWANTH
20	U19CB020	TOKLE PRASAD UDDHAV
21	U19CB021	TUMMALA ANJAN MAHESH BABU
22	U19CB022	TUNGALA TEJOSAI
23	U19CB023	ULLI MANIKANTA
24	U19CB024	UMMAGANI VIGNESH
25	U19CB025	UNDAMATLA VENKATA PRASAD
26	U19CB026	UNDELA LEKHANA
27	U19CB027	UNDRA VAMSI KRISHNA
28	U19CB028	S UPENDRA REDDY
29	U19CB029	UPPALA HARSHAVARDHAN SAI
30	U19CB030	UPPALA RAKESH
31	U19CB031	UPPALA SAI PRASAD
32	U19CB032	UPPALAPATI PAVAN KUMAR
33	U19CB033	UPPARI SAI RAHUL
34	U19CB034	UPPU SATHISH
35	U19CB035	UPPUTURI AKANKSHA

Course Coordinator

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

COURSE FEEDBACK FORM

Academic Year		2019-20			
Term					
Course Number					
Course Title		NETWORKING			
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	

2. Number of hours per week spent on the course (Other than lecture hours)	
0-2	2-4
4-6	6-8
8-10	

3. Preparation for the course by the student:		
(i)	Have done part of this course earlier	No
(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	Yes
(f)	To Improve CGPA	Yes

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓				
2.	Comment of the Subject	✓				
3.	Clarity of expression		✓			
4.	Level of preparation	✓				
5.	Level of interaction	✓				
6.	Accessibility outside the class	YES	✓			
7.	Others (please specify)	YES	✓			

A: Excellent	B: Very Good	C: Good	D: Satisfactory	E: Poor
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HEAD OF THE DEPARTMENT

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

COURSE FEEDBACK FORM

Academic Year		2019-20			
Term					
Course Number					
Course Title		NETWORKING			
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	<input checked="" type="checkbox"/>	80-100
------	--	-------	--	-------	--	-------	-------------------------------------	--------

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	
(ii)	Has adequate prior exposure to the prerequisites	No
(iii)	Had to pickup relevant additional topics through concurrent study	Yes No
(iv)	Have no exposure to the background material	Yes

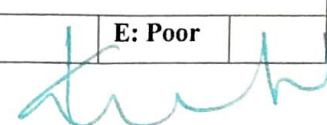
4. The expectations for taking the course by the student are:

(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	Yes
(f)	To Improve CGPA	Yes

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture					
2.	Comment of the Subject					
3.	Clarity of expression					
4.	Level of preparation					
5.	Level of interaction					
6.	Accessibility outside the class	YES				
7.	Others (please specify)	YES				

A: Excellent		B: Very Good		C: Good		D: Satisfactory		E: Poor
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HEAD OF DEPARTMENT
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 (Declared as Deemed to be University U/S 3 Of UGC Act, 1956)
 Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-20		
Term				
Course Number				
Course Title		NETWORKING		
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"/>
-----	--	-----	--	-----	--	-----	--	--

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	yes
(iv)	Have no exposure to the background material	no

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	no
(e)	Complete Course requirements	no
(f)	To Improve CGPA	no

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	YES				
7.	Others (please specify)	YES				

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 & Research
 (Declared as Deemed to be University U/S 3 OF UGC Act, 1956)
 Chennai - 606 073, INDIA



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(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

CERTIFICATE OF PARTICIPATION

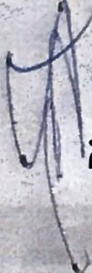


THOTA DINESH

For actively participating in the value added course
"NETWORKING "Conducted by School of Computing, BIHER
from 29-05-2019 to 10.06-2019 .


Course Coordinator


Head of the 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)


Director

Chennai - 600 073, INDIA

CERTIFICATE COURSE ON NETWORKING

Introduction of the Course: 3.07.2019



Course Coordinator

Head of the Department

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



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Requisition Letter

Date:07.06.2019

From
Dr. K.P.Kaliyamurthie,
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 **“Hands on Training on computer Hardware and Software”** -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on **“Hands on Training on Computer Hardware and Software”** in our campus premises on **17.06.2019**, 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).

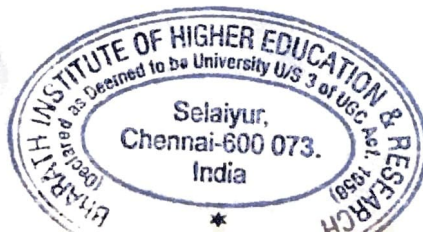
Submitted to Principal for approval to organize this value-added course.

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

12.06.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Hands on Training on Hardware and Software** for the benefit of students. This course is scheduled from 17.06.2019 to 29.06.2019 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. G. Michael	Professor
2	Mrs. G. Kavitha	Assistant Professor

To

Copy to CSE

Copy to IT

Head of Department

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



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CERTIFICATE COURSE ON HANDS ON TRAINING ON COMPUTER HARDWARE AND SOFTWARE

Date of Introduction of the Course: 03.07.2019

COURSE SYLLABUS

1. Introduction to Computers and Windows Operating System

Introduction to the functions of an Operating System, Popular Operating Systems in Use. Main features of Windows O.S Various Input/ Output devices in use and their features.

2. Computer Hardware basics and Software Installation

Introduction to the booting process, BIOS settings and their modification. Introduction to various types of memories and their features. Basic Hardware and software issues and their solutions.

3. Introduction to DOS Command Line Interface & Linux Operating System.

Introduction to Linux Operating System features, structure, files and processes. Introduction to various Linux Shells. Basic Linux commands.

4. Word Processing and Spread Sheet Application

Introduction to the various applications in office. Introduction to Word features, Office button, toolbars. Introduction to Excel features and Data Types. Cell referencing. Use of functions of various categories, linking Sheets.

5. Image editing, Creating presentations & Using Open Office

Introduction to Open Office. Introduction to the properties and editing of images. Introduction to Power Point and its advantages.

6. Database Management Systems

Concepts of Data, Information and Databases. Overview of popular databases, RDBMS, OODB and NOSQL. Rules for designing good tables. Integrity rules and constraints in a table.

7. Networking Concepts and Internet Concepts

Introduction to Computer Networks, Necessity and Advantages. Client Server and peer to Peer networking concepts. Introduction to WWW, Concept of Internet, Web Browsers, internet servers

8. Web Design Concepts

Concepts of Static and Dynamic Web pages. Introduction to HTML and various tags in HTML. Creating Forms with controls using HTML. Concepts of CSS and applying CSS to HTML

9. Java Script

Algorithms and flowcharts. Introduction to Web Servers and their features. Introduction to Programming and Scripting Languages. Introduction to JavaScript and its application for the web. JavaScript Basics

10. Introduction to VBA, Features and Applications.

Introduction to VBA features and applications. VBA Data types, Variables and Constants. Operators in VBA and operator precedence. Mathematical Expressions in VBA.

11. Smart Accounting and E Commerce

Basics of Accounting, Golden Rules of Accounting, Voucher Entry, Ledger Posting, Final Accounts Preparation. Cash Book. Ratio Analysis, Depreciation, Stock Management
Definition of E commerce, Types, scope and benefits of E commerce. Difference between E commerce and traditional commerce.

12. Cyber Security

Overview of Information Security, Security threats, information Security vulnerability and Risk management Introduction to Directory Services, Access Control, Software Development Security, Privacy protection, Audit and Security.

COURSE OBJECTIVES

Introduces students that how to operate and manage the use of hardware systems, networks, minicomputers, control a single or group of mainframe computers, setting functional controls and codes as instructed by programmers and other types of systems learn

Specifically, the course has the following objectives:

1. Read & interpret technical parameters/document, plan and organize work processes, identify necessary materials and tools;
2. Perform task with due consideration to safety rules, accident prevention regulations and environmental protection stipulations;
3. Apply professional skill, knowledge, core skills & employability skills while performing jobs and solve problem during execution.
4. Check the job/assembly as per drawing for functioning, identify and rectify errors in job/assembly.
5. Document the technical parameters related to the task undertaken.



COURSE COORDINATOR



HEAD OF THE DEPARTMENT

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 - 600 033, INDIA



Bharath

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

CERTIFICATE COURSE ON HANDS ON TRAINING ON COMPUTER HARDWARE AND SOFTWARE

Date of Introduction of the Course: 03.07.2019

**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	17-06-2019 (FN)	1. Introduction to Computers and Windows Operating System Introduction to the functions of an Operating System, Popular Operating Systems in Use. Main features of Windows O.S Various Input/ Output devices in use and their features.
2	18-06-2019 (FN)	2. Computer Hardware basics and Software Installation Introduction to the booting process, BIOS settings and their modification. Introduction to various types of memories and their features. Basic Hardware and software issues and their solutions.
3	19-06-2019 (FN)	3. Introduction to DOS Command Line Interface & Linux Operating System. Introduction to Linux Operating System features, structure, files and processes. Introduction to various Linux Shells. Basic Linux commands.
4	20-06-2019 (FN)	4. Word Processing and Spread Sheet Application Introduction to the various applications in office. Introduction to Word features, Office button, toolbars. Introduction to Excel features and Data Types
5	21-06-2019 (FN)	Image editing, Creating presentations & Using Open Office Introduction to Open Office. Introduction to the properties and editing of images. Introduction to Power Point and its advantages.

6,7	22-06-2019 (FN & AN)	. Database Management Systems Concepts of Data, Information and Databases. Overview of popular databases, RDBMS, OODB and NOSQL. Rules for designing good tables.
8	24-06-2019 (FN)	. Networking Concepts and Internet Concepts Introduction to Computer Networks, Necessity and Advantages. Client Server and peer to Peer networking concepts.
9	25-06-2019 (FN)	Web Design Concepts Concepts of Static and Dynamic Web pages. Introduction to HTML and various tags in HTML. Creating Forms with controls using HTML.
10	26-06-2019 (FN)	Java Script Algorithms and flowcharts. Introduction to Web Servers and their features. Introduction to Programming and Scripting Languages.
11	27-06-2019 (FN)	Introduction to VBA, Features and Applications. Introduction to VBA features and applications. VBA Data types, Variables and Constants. Operators in VBA and operator precedence. Mathematical Expressions in VBA.
12	28-06-2019 (AN)	. Smart Accounting and E Commerce Basics of Accounting, Golden Rules of Accounting, Voucher Entry, Ledger Posting, Final Accounts Preparation. Cash Book. Ratio Analysis, Depreciation, Stock Management
13,14	29-06-2019 (FN & AN)	. Cyber Security Overview of Information Security, Security threats, information Security vulnerability and Risk management Introduction to Directory Services, Access Control,

G. K.

COURSE COORDINATOR



HEAD OF THE DEPARTMENT

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, 1953)
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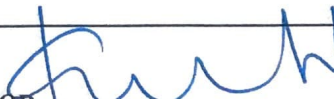
Hands on Training on Computer Hardware and Software
Date of Introduction of the Course: 03.07.2019

School of Computing Registered Students Name List

S.NO	REG.NO	NAME OF THE STUDENT
1	U19CN003	KOGURU INDRASENA REDDY
2	U19CN004	KOLA VAMSI VARDHAN
3	U19CN005	KOLAGANI VALESH
4	U19CN007	KOLLURI SAI SUMANTH
5	U19CN008	KOLLURI SINDHU SRI VANI
6	U19CN009	KOLLURU LAKSHMI NARAYANA SETTY
7	U19CN010	KOLLURU PRADEEP
8	U19CN011	KOMARAVELLY MAYUR
9	U19CN012	KOMMA HARI SAI PRADHYUMNA
10	U19CN013	KOMMANENI GAYATRI DEVI
11	U19CN014	KOMMI SAI SANDEEP KUMAR
12	U19CN015	KOMMINENI AJAY
13	U19CN016	KOMMINENI NAVEEN
14	U19CN017	KOMMU JASWANTH
15	U19CN018	KOMMU KUMAR
16	U19CN019	KONAKALLA REVANTH KUMAR
17	U19CN020	KONAKANACH RUDRA
18	U19CN021	KONAKANACHI GOPI CHAND
19	U19CN022	KONDA BALAJI
20	U19CN023	KONDA SRINIVASA REDDY
21	U19CN024	KONDAVEETI BALAJI
22	U19CN025	KONDAVETI SARVAN NAGA PAVAN
23	U19CN026	KONDIBOINA MADHU KUMAR
24	U19CN027	KONDU CHARITHA REDDY
25	U19CN028	KONDUPALLI GREESHMANTH KUMAR R
26	U19CN029	KONDURU KALYAN VARMA
27	U19CN030	KONETI SAI ANVITHA

28	U19CN031	KOPANATHI SIVAJI
29	U19CN032	KORRAPATI BHUVANESWARA CHARI
30	U19CN033	KORUKONDA LOKESH SATYA VEERASAI
31	U19CN034	KOTA VENKATRAO
32	U19CN035	KOTAPATI ASHOK REDDY
33	U19CN036	KOTEKANTI MOHAMMED ARIF
34	U19CN037	KOTHAPALLI LOKESH
35	U19CN038	KOTHAPALLI PREMVEER
36	U19CN039	KOTIPALLI SYAM SUNDAR
37	U19CN040	KOTLA SHASHANK
38	U19CN041	KOTTADA SATYA PRAKASH
39	U19CN042	KOTTURI SANDEEP KUMAR
40	U19CN043	KOVVURU HARSHA VARDHAN REDDY
41	U19CN044	KRUPASHANKARI S
42	U19CN045	KUDIKALA AKHIL
43	U19CN046	KUDITHI SAIMOHAN REDDY
44	U19CN047	KUKKADAPU SAI SUMANTH
45	U19CN048	KUKKALA PRIYANKA
46	U19CN049	KUKKALA RAJA SEKHAR
47	U19CN050	KUMBAGANTI KARTHIK
48	U19CN051	KUMMARI MARUTHI VARAPRASAD
49	U19CN052	KUNCHAPU SRIKANTH
50	U19CN053	KUNCHAPU VENKATESH
51	U19CN054	KURMA MADHU REDDY
52	U19CN055	KURRE AKHIL
53	U19CN056	KUSUNURI JYOTHI SAI SIDDARTHA
54	U19CN057	LAGIMSETTI MURALINADH
55	U19CN058	LAKA KASI PRAVEEN
56	U19CN059	S LAKSHMIDHAR RAO
57	U19CN060	LANSANI PRASHANTH
58	U19CN062	LEKKALA NAVEEN
59	U19CN063	LOGANATHAN K
60	U19CN064	MAAHA VISHNU B V


COURSE COORDINATOR


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

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Hands on Training on Computer Hardware and Software			
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
						<input checked="" type="checkbox"/>

2. Number of hours per week spent on the course (Other than lecture hours)						
0-2		2-4		4-6		6-8
						<input checked="" type="checkbox"/>

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 No
(e)	Complete Course requirements Yes
(f)	To Improve CGPA Yes

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 & Research
 (Declared as Deemed to be University U/S 3 Of UGC Act, 1953)
 Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Hands on Training on Computer Hardware and Software			
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	<input checked="" type="checkbox"/>	80-100	
------	--	-------	--	-------	--	-------	-------------------------------------	--------	--

2. Number of hours per week spent on the course (Other than lecture hours)

0-2		2-4		4-6		6-8		8-10	
-----	--	-----	--	-----	--	-----	--	------	--

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.

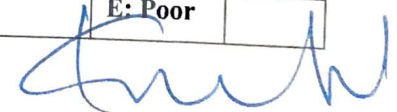
4. The expectations for taking the course by the student are:

(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	yes

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	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor	
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HEAD OF THE DEPARTMENT
 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

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Hands on Training on Computer Hardware and Software			
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	<input checked="" type="checkbox"/>	80-100	
------	--	-------	--	-------	--	-------	-------------------------------------	--------	--

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"/>
-----	--	-----	--	-----	--	-----	--	------	-------------------------------------

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 | yes |
| (iv) | Have no exposure to the background material | No. |

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 | yes. |
| (f) | To Improve CGPA | yes. |

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** **C: Good** **D: Satisfactory** **E: Poor**

HEAD OF THE DEPARTMENT

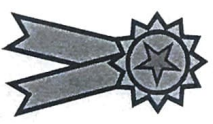
HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.,
 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University U/S 3 Of UCB Act, 1956)
 Chennai - 600 073. INDIA



BIHER

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

CERTIFICATE OF PARTICIPATION



M.R. YOGESHWARAN

For actively participating in the value added course "Certificate course on
Hands on Training on Computer Hardware and Software" Conducted by
School of Computing, BIHER from 17-06-2019 to 29.06.2019 .

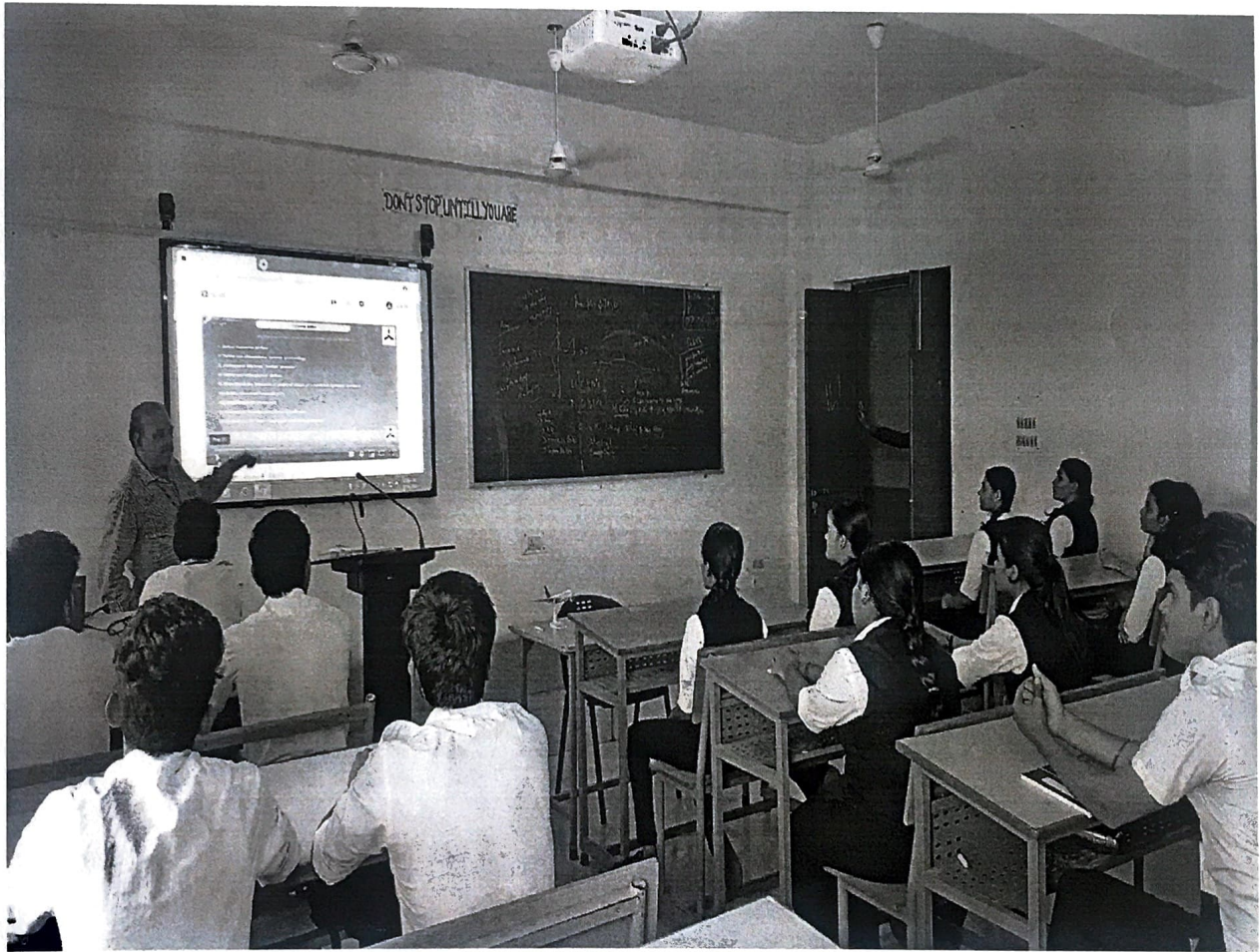

Course Coordinator


Head of the Department


Director

**CERTIFICATE COURSE ON HANDS ON TRAINING ON COMPUTER
HARDWARE AND SOPFTWARE**

Introduction of the Course: 03.07.2019



G. K.

Course Coordinator

[Signature]

Head of the Department

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



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.



Bharath

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

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



Bharath

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

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

HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
Bharath Institute Of Higher Education & Research
(Declared as Deemed to be University U/S 3 OF UGD ACT 1956)
Chennai - 600 073, INDIA



Bharath

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

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).

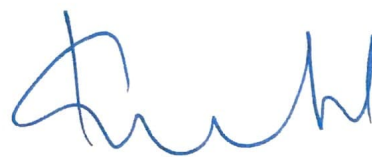
Time Table & Lesson plan

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.



COURSE COORDINATOR



HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT

Department Of Computer Science & Engg.,

Bharath Institute Of Higher Education & Research

(Declared as Deemed to be University U/S 3 OF UCA 1956)

Chennai - 600 073, INDIA



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

Certificate Course on Computer Operator and Programming Assistant

Date of Introduction of the Course: 03.08.2019

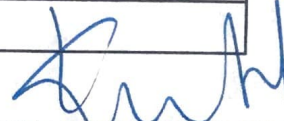
School of Computing Registered Students Name List

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



COURSE COORDINATOR



HEAD OF THE DEPARTMENT

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

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

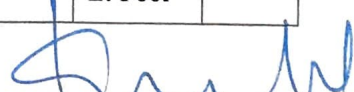
4. **The expectations for taking the course by the student are:**

(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
 HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.,
 Bharath Institute Of Higher Education & Res.
 (Declared as Deemed to be University U/S 3 OF U.S.C.)
 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"/>
-----	--	-----	--	-----	--	-----	--	------	-------------------------------------

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 Yes
- (iv) Have no exposure to the background material Yes

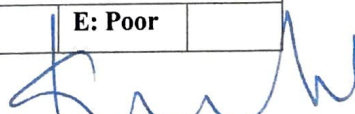
4. The expectations for taking the course by the student are:

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

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	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor
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HEAD OF THE DEPARTMENT
 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

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"/>

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"/>

3.	Preparation for the course by the student:									
	(i)	Have done part of this course earlier <i>yes</i>								
	(ii)	Has adequate prior exposure to the prerequisites <i>yes</i>								
	(iii)	Had to pickup relevant additional topics through concurrent study <i>yes</i>								
	(iv)	Have no exposure to the background material <i>No</i>								

4.	The expectations for taking the course by the student are:									
	(a)	Enhance by skill base in the area of specializations <i>yes</i>								
	(b)	Get exposed to a relevant subject <i>No.</i>								
	(c)	Curiosity <i>Yes</i>								
	(d)	Better Employment Opportunity <i>yes</i>								
	(e)	Complete Course requirements <i>yes</i>								
	(f)	To Improve CGPA <i>yes.</i>								

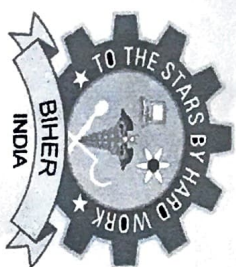
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)

		A	B	C	D	E
1.	Pace of the Teaching/lecture	<input checked="" type="checkbox"/>				
2.	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"/>			
6.	Accessibility outside the class		<input checked="" type="checkbox"/>			
7.	Others (please specify)	<input checked="" type="checkbox"/>				

A: Excellent	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor	
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[Signature]
HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.,
 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University U.S.S of UGC Act, 1956)
 Chennai - 600 070, INDIA



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

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 .

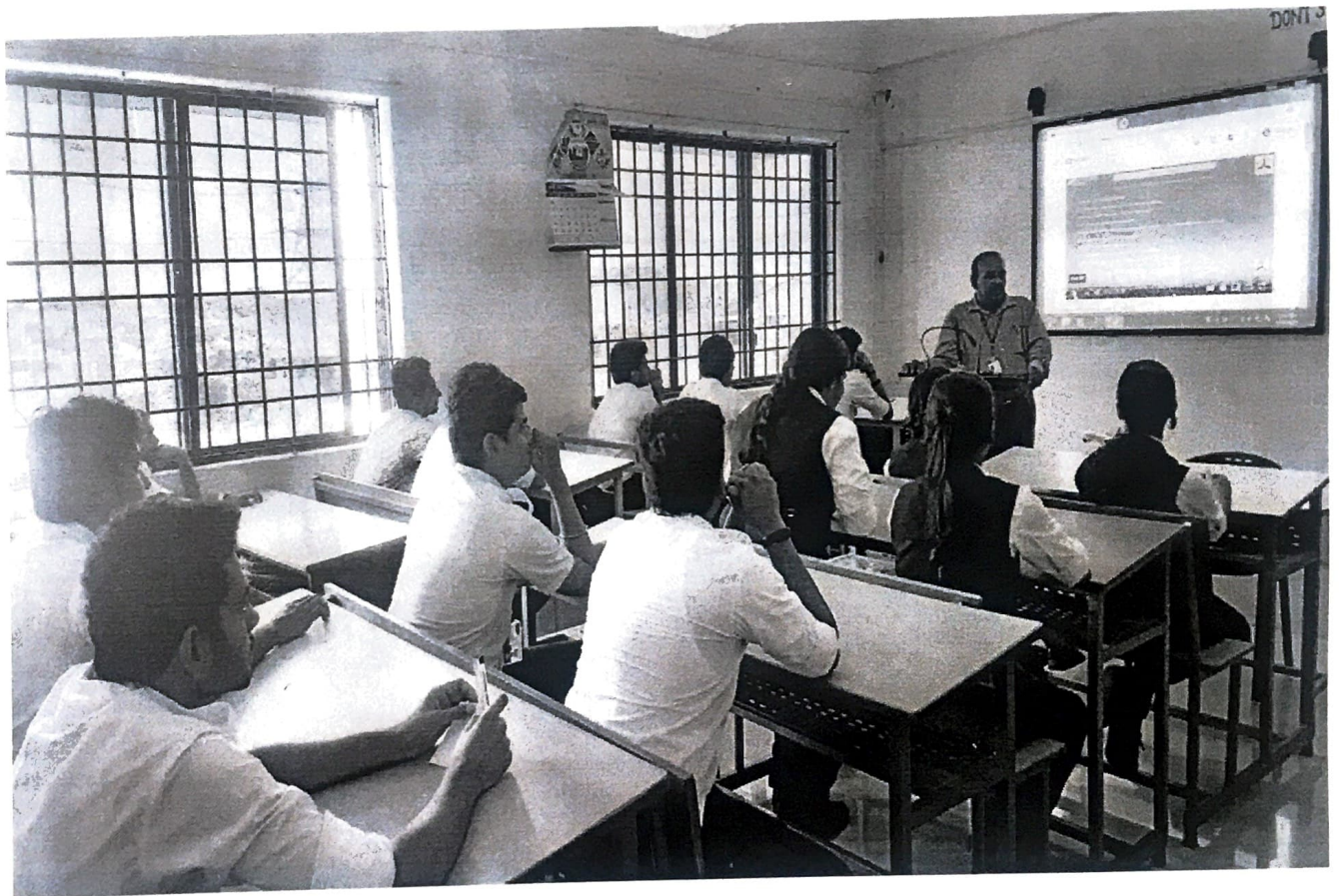
Course Coordinator

Head of the Department

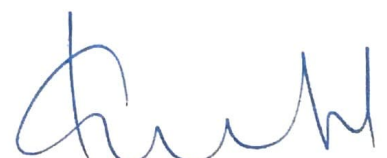
Director

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

Introduction of the Course: 03.08.2019




Course Coordinator


Head of the Department
HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
Bharati Institute Of Higher Education & Research
(Declared as Deemed to be University U/S 3 Of UGC Act, 1956.)
Chennai - 600 072, INDIA



Bharath

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

Requisition Letter

Date:04.07.2019

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

To
The PRO ViceChancellor,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir

Subject: Request of Permission to conduct a value-added course on “**Desk Top Publishing Operating Course**” -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “**Desk Top Publishing Operating Course**” 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.





Bharath

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

CIRCULAR

08.07.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Desk Top Publishing Operating course** for the benefit of students. This course is scheduled from 15.07.2019 to 25.07.2019 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. G. Nalini P	Professor
2	Mr. K. Sivalamen A	Assistant Professor

Head of Department

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

To

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CERTIFICATE COURSE ON Desk Top Publishing Operator Course

Date of Introduction of the Course: 03.08.2019

COURSE SYLLABUS

1. THE COMMON LANGUAGE RUNTIME (C.L.R.)

To learn and analyse and visualize CLR Architecture and Services, The .Net Intermediate Language (IL), Just- In- Time Compilation and CLS, Disassembling .Net Application

2. NET FRAMEWORK CLASS LIBRARY

System Namespace, System .Object Namespace, System .Collection Namespace ,System .Type ,Exception

3. LANGUAGE FUNDAMENTAL

Data type and Control Constructs , Value and Reference Types , Declaring and Initializing Variables , Unicode Characters and Strings ,C.T.S Type , Implicitly Typed Local Variables ,Conditional Syntax ,C# Operator , Looping Syntax , Structure

4.ARRAY & STRING

Arrays in General , Declaring of different type Arrays , Initializing Arrays , Accessing element of different type Array Members , Arrays of Objects , Structure type array , Using for each with Arrays , Understanding System. String class and its various operations

5. ADO.NET AND IT'S ARCHITECTURE

Connection Object , Command Object , Dataset , Data Reader Object , Data Adapter Object , Concurrency and the Disconnected Data Architecture , Provider

6. DATA SET

Creating Tables in Dataset , Data Column , Data Row , Data Table ,Updating, Inserting and Modification in Data Table ,Saving Changes into Data Base using Command Builder ,Working With Command and Connection

7. CONNECTIONS AND COMMAND OBJECT

Connection Object ,Command Object , Execute Non Query ,Execute Scalar

8. DATA READER

Reading Data in Connected Environment , Moving and Accessing Value of Record , Execute Reader

9. INTRODUCTION TO ADO.NET

How ADO.NET works and how it differs from ADO? Evolution of ADO to ADO.NET.

10. TRANSACTION

• Introduction of Transaction (ACID) • Transaction Class • Method and Property • Commit and Rollback

11. UNDERSTANDING PAGE LIFE CYCLE

Understanding of Application Life Cycle • Page Life-cycle Stages • Life-cycle Events • Autoeventwireup • Tracing and debugging asp.net pages

COURSE OBJECTIVES

To learn and analyse and visualize data in R and learn to perform frequentist and Bayesian statistical inference and modelling to understand natural phenomena and make data-based decisions.

Specifically, the course has the following objectives:

Students will learn

The role of W.C.F

W.C.F project template

Understanding WCF Addressing

Understanding WCF Bindings

Understanding WCF Contracts

Understanding WCF Endpoint

Composition of basic W.C.F

Building a W.C.F service

Hosting a W.C.F service

Building a W.C.F client application



COURSE COORDINATOR



HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT

Department of Computer Science & Engg.,

Bharathi Institute of Higher Education & Research,

(Declared as Deemed to be University U/S 3 Of UGC Act, 1956)

Chennai - 600 073, INDIA



Bharath

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

CERTIFICATE COURSE Short term course on Desk Top Publishing Operator Course

Date of Introduction of the Course: 03.08.2019

**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)	MS Paint To learn and analyse and visualize Presentation and setup of user interface and help Open and save an image
3	16-07-2019 (FN)	Photoshop Demonstrates a conceptual understanding getting Acquainted with Photoshop Basic Image Manipulation
4	17-07-2019 (FN)	PageMaker Getting Acquainted with Photoshop ,Basic Image Manipulation
5	18-07-2019 (FN)	Coral Draw Getting started with Corel Draw, Introduction to Corel Draw, Features of Corel Draw, Corel Draw Interface, Tool Box, Moving from Adobe Illustrator to Corel Draw, Common Tasks
6	19-07-2019(FN)	Broadband Internet connectivity Design Process , Designing Aids , Printing and presentation
7	20-07-2019 (FN&AN)	Network Rack 4U for 24 port Drawing and Coloring, Selecting Objects, Creating Basic Shapes, Reshaping Objects, Organizing objects, Applying color fills and Outlines
8	21-07-2019(FN)	Patch Panel 24 Port Applying Effects, Power of Blends Distortion, Contour Effects, Envelopes, Lens effects, Transparency, Depth

9	22-07-2019 (FN)	Digital Web Cam High Resolution Corel Draw- Web resources, Internet Tool bar, Setting your webpage, Exporting files, Creating buttons with rollover effects .
10	23-07-2019 (FN)	Projector Screen Matte (antiglare) screen roll type Working with Text and Graphics, Using Graphics, Applying Colors to Graphics, Framing Graphics, Cropping and masking Graphics, Working with Layers, Working with Master pages, Working with Plugins, Using Text Wrap
11	24-07-2019 (FN)	Screw Driver Set Standard ,Patch Panel 24 Port Effectively utilize the multiple methods of manipulating, retouching, refurbishing art work, photographs, Gain entry level position in Graphic design and animation
12	25-07-2019 (FN)	Broadband Internet connective Understand multiple image types and the best application of each for graphic design, print and the web

K.Sivan

COURSE COORDINATOR



HEAD OF THE DEPARTMENT

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



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


Date of Introduction of the Course: 03.08.2019

B.Tech Computer Science and Engineering

Introduction to Desk Top publishing Operating Course COMPUTER COURSE

S. No	REG.NO	NAME OF THE CANDIDATE
1	U19CB133	YOGESH
2	U19CB134	YOGESHWARAN N
3	U19CB135	YOGESHWARAN S
4	U19CB136	PASANG DORZEE SHERPA
5	U19CB137	KADIRE SAMBASIVA
6	U19CB138	HARI KRISHNAN P
7	U19CN001	KODUMURI HEMANTH KUMAR
8	U19CN002	KOGANTI MANOJ SAI
9	U19CN003	KOGURU INDRASENA REDDY
10	U19CN004	KOLA VAMSI VARDHAN
11	U19CN005	KOLAGANI VALESH
12	U19CN007	KOLLURI SAI SUMANTH
13	U19CN008	KOLLURI SINDHU SRI VANI
14	U19CN009	KOLLURU LAKSHMI NARAYANA SETTY
15	U19CN010	KOLLURU PRADEEP
16	U19CN011	KOMARAVELLY MAYUR
17	U19CN012	KOMMA HARI SAI PRADHYUMNA
18	U19CN013	KOMMANENI GAYATRI DEVI
19	U19CN014	KOMMI SAI SANDEEP KUMAR
20	U19CN015	KOMMINENI AJAY
21	U19CN016	KOMMINENI NAVEEN
22	U19CN017	KOMMU JASWANTH
23	U19CN018	KOMMU KUMAR
24	U19CN019	KONAKALLA REVANTH KUMAR
25	U19CN020	KONAKANCH RUDRA
26	U19CN021	KONAKANCHI GOPI CHAND
27	U19CN022	KONDA BALAJI
28	U19CN023	KONDA SRINIVASA REDDY
29	U19CN024	KONDAVEETI BALAJI
30	U19CN025	KONDAVETI SARVAN NAGA PAVAN

Course Coordinator


HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University UIS 3 of UGC Act 1956)
Chennai - 600 073. INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Desk Top Publishing Operator Course			
Number of Credits					
Type of Course	Regular		Elective		Add-on

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

1. Percentage of classes attended

0-20		20-40		40-60		60-80	✓	80-100	
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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	
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3. Preparation for the course by the student:

(i)	Have done part of this course earlier	No
(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	Yes
(f)	To Improve CGPA	Yes

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓				
2.	Comment of the Subject		✓			
3.	Clarity of expression	✓				
4.	Level of preparation		✓			
5.	Level of interaction	✓				
6.	Accessibility outside the class	✓				
7.	Others (please specify)	✓				

A: Excellent	✓	B: Very Good		C: Good		D: Satisfactory		E: Poor
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HEAD OF THE DEPARTMENT

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

COURSE FEEDBACK FORM

Academic Year		2019-2020								
Term										
Course Number										
Course Title		Desk Top Publishing Operator Course								
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"/>	
2. Number of hours per week spent on the course (Other than lecture hours)										
0-2		2-4		4-6		6-8	<input checked="" type="checkbox"/>	8-10		
3. Preparation for the course by the student:										
(i)	Have done part of this course earlier								No	
(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								Yes	
(f)	To Improve CGPA								Yes	
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		<input checked="" type="checkbox"/>	B: Very Good			C: Good			D: Satisfactory	
									E: Poor	

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.,
 Bharathi Institute Of Higher Education, Bangalore
 (Declared as Deemed to be University U/S of 1956 Act, 1956)
 Chennai - 600 073, INDIA



Bhawan

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

CERTIFICATE OF PARTICIPATION



Mr. YOGESHWARAN N

For actively participating in the value added course "Desk Top Publishing
Operator Course "Conducted by School of Computing, BIHER
from 15-07-2019 to 25.07.2019 .

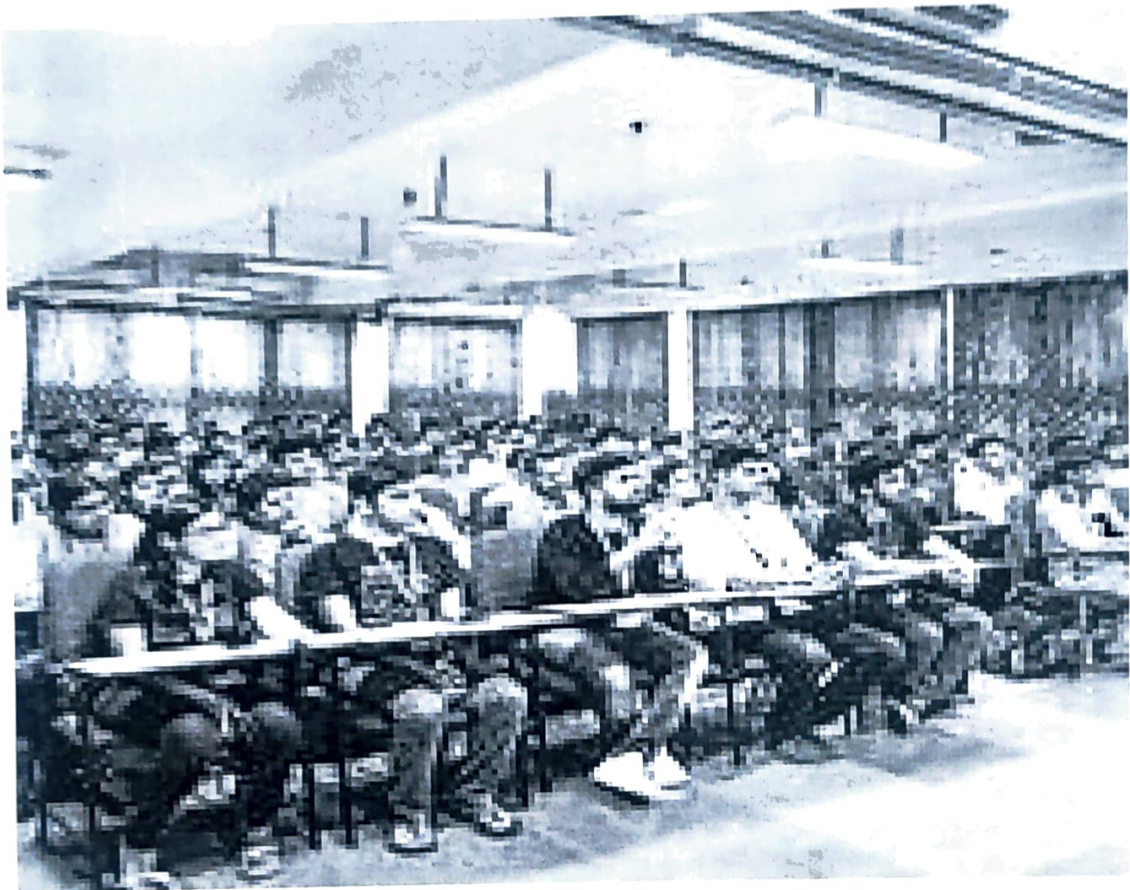
K. Sivan

Course Coordinator _____ Head of the Department _____

Director

CERTIFICATE COURSE ON Desk Top Publishing Operator Course

Introduction of the Course: 03.08.2019



K. Sivani

Course Coordinator

K. S. K.

Head of the Department

HEAD OF DEPARTMENT

Department Of Computer Science & Engg.,
Bharath Institute Of Higher Education & Research
(Declared as Deemed to be University, M.S.O. Of U.S.G. No. 100/2014)
Chennai - 600 073, INDIA



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U 3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

Requisition letter

Date: 19.08.2019

From

Dr.K.P.Kaliyamurthie,
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

Sub: Request of permission to conduct a value – added course on “**Business Analytics & Text Mininig Modeling using python**”-Reg

With reference to above subject, I would like to bring to your kind notice that , our department interested to organize value added course “**Business Analytics & Text Mininig Modeling using python**”-Reg in our campus premises on 29.08.2019, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: CSE smart class Room

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

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

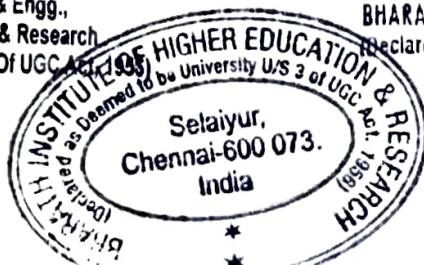
HOD

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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(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

CIRCULAR

22.08.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Business Analytics & Text Mining Modeling using python** for the benefit of students. This course is scheduled from 29.08.2019 to 09.09.2019 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. A.R. Arunachella	Professor
2	Mr. B. Sundaraj	Assistant Professor.

Head of Department

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

To

Copy to CSE

Copy to IT



Bharath **INSTITUTE OF HIGHER EDUCATION AND RESEARCH**

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3. Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

CERTIFICATE COURSE ON BUSINESS ANALYTICS & TEXT MINING MODELLING USING PYTHON

Date of Introduction of the Course: 26.09.2019

COURSE SYLLABUS

1. Introduction

The goal of this first module cover the introductory aspects of this particular course. This courses focused on the data mining aspects where we work with numerical you know data which is highly structured in nature and we apply various statistical data mining and mathematical techniques to solve you know prediction and classification problems.

2. Introductory overview of Text Mining

Describe and explain the key terms in the text mining also has significant potential for academic application and, at least when used in its basic form, benefits from being a relatively straightforward and easy tool to master.

3. Python Basics

Explain the concepts of Python programming language, Development environments. Web and web app development, Security of the web applications.

4. Python for Analytics

Describes the concepts of Python programming and gain in-depth, valuable knowledge in data analytics, machine learning, and data visualization, web scraping, and natural language processing.

5. Built in Capabilities of Python

The topic teaches you the essential concepts of Python programming, and gives you an in-depth knowledge in data analytics, machine learning, data visualization, web scraping, and natural language processing.

6. Numerical Python

Introduce data manipulation and cleaning techniques using the popular python pandas data science library and introduce the abstraction of the Series and Data Frame as the central data structures for data analysis, along with tutorials on how to use functions such as groupby, merge, and pivot tables effectively.

7. Fundamentals of Data Manipulation with Python

Demonstrate the field of data science, review common Python functionality and features which data scientists use.

8. Python pandas

Explain the concepts and that will learn the various features of Python Pandas and how to use them in practice.

9. String and Text Processing

Demonstrate about the string object, so most of the text operations that we would typically like to perform, they can be covered by string objects built-in methods.

10. Data visualization using Python

Discuss about the need to setup Jupyter environment to use matplotlib. So, for that we can run this particular you know magic command matplotlib space notebook %matplotlib space notebook.

11. Text collection and Transformation

Demonstrate the source of text data collection with the document warehouse or databases and for websites using web APIs.

12. Text mining and modelling

Demonstrate the concept of expanding contractions, POS tagging, lemmatization, special character removal, stop word removal and tokenization.

COURSE OBJECTIVES

Objective of this course is to impart knowledge on use of text mining techniques for deriving business intelligence to achieve organizational goals. Use of Python based software platform to build, assess, and compare models based on real datasets and cases with an easy-to-follow learning curve

Specifically, the course has the following objectives:

Students will learn

1. Understand the fundamental terms and concepts of Text mining.
2. Understand the Concepts of python programming
3. Learn the general properties of Text mining and modeling.
4. Basic understanding of Visualization with python

B. Suding

COURSE COORDINATOR



HEAD OF THE DEPARTMENT

Department of Computer Science & Engg.,
Ehara Institute Of Higher Education & Research
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Chennai - 600 073. INDIA



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

CERTIFICATE COURSE ON BUSINESS ANALYTICS & TEXT MINING MODELLING USING PYTHON

Date of Introduction of the Course: 26.09.2019

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	29-08-2019 (FN)	1. Introduction The goal of this first module cover the introductory aspects of this particular course. This courses focused on the data mining aspects where we work with numerical you know data which is highly structured in nature and we apply various statistical data mining and mathematical techniques to solve you know prediction and classification problems.
2	30-08-2019 (FN)	2. Introductory overview of Text Mining Describe and explain the key terms in the text mining also has significant potential for academic application and, at least when used in its basic form, benefits from being a relatively straightforward and easy tool to master.
3	31-08-2019 (FN)	3. Python Basics Explain the concepts of Python programming language, Development environments. Web and web app development, Security of the web applications.
4	31-08-2019 (AN)	4. Python for Analytics Describes the concepts of Python programming and gain in-depth, valuable knowledge in data analytics, machine learning, and data visualization, web scraping, and natural language processing.
5	02-09-2019	5. Built in Capabilities of Python

	(FN)	The topic teaches you the essential concepts of Python programming, and gives you an in-depth knowledge in data analytics, machine learning.
6	03-09-2019 (FN)	6. Numerical Python Introduce data manipulation and cleaning techniques using the popular python pandas data science library.
7	04-09-2019 (FN)	7. Fundamentals of Data Manipulation with Python Demonstrate the field of data science, review common Python functionality and features which data scientists use.
8	05-09-2019 (FN)	8. Python pandas Explain the concepts and that will learn the various features of Python Pandas and how to use them in practice
9	06-09-2019 (FN)	9. String and Text Processing Demonstrate about the string object, so most of the text operations that we would typically like to perform, they can be covered by string objects built-in methods.
10.	07-09-2019 (FN)	10. Data visualization using Python Discuss about the need to setup Jupyter environment to use matplotlib. So, for that we can run this particular you know magic command matplotlib space notebook %matplotlib space notebook.
11	07-09-2019 (AN)	11. Text collection and Transformation Demonstrate the source of text data collection with the document warehouse or databases and for websites using web APIs.
12	09-09-2019 (FN)	12. Text mining and modelling Demonstrate the concept of expanding contractions, POS tagging, lemmatization, special character removal, stop word removal and tokenization

B. Sandeep
COURSE COORDINATOR


HEAD OF THE DEPARTMENT

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



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(Vide Notification No. F.9-5/2000 - U.3 - Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B.Tech Computer Science and Engineering

Academic year 2019-20

Business Analytics & Text Mining Modeling using python

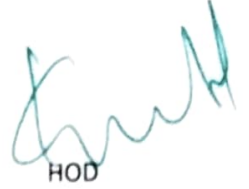
DATE OF INTRODUCTION:26.09.2019

S. No	REG.NO	NAME OF THE CANDIDATE
1	U19CB031	UPPALA SAI PRASAD
2	U19CB032	UPPALAPATI PAVAN KUMAR
3	U19CB033	UPPARI SAI RAHUL
4	U19CB034	UPPU SATHISH
5	U19CB035	UPPUTURI AKANKSHA
6	U19CB036	VADDELLI SRIJA
7	U19CB037	VADDI AKASH
8	U19CB038	VADLA SAI BHARGAVA ACHARI
9	U19CB039	VADLA SHRAVAN KUMAR
10	U19CB040	VADLA VENKAT JAYANTH ACHARI
11	U19CB041	VADLAKONDA SAI KIRAN
12	U19CB042	VADLAMUDI ANIL
13	U19CB043	VADLAMUDI MAHESH
14	U19CB044	VAKKALAGADDA BHARGAVI
15	U19CB045	VALLABHASETTI DURGA KALYAN
16	U19CB046	VALLEPU KISHAN SAI
17	U19CB047	VANKAYALAPATI DIVYA NANDHU
18	U19CB048	VANKAYALAPATI SAI KUMAR
19	U19CB049	VANNEMREDDY DINESH
20	U19CB050	VARDHINENI SAI CHARAN
21	U19CB051	VARIKOLLU TEJASSU
22	U19CB052	VASANTHAN SELVAKUMAR
23	U19CB053	VASIREDDY PRASHANTH
24	U19CB054	VATHSAVAYI SAI CHARAN RAJEEV V
25	U19CB055	VATTE ABHINAV REDDY
26	U19CB056	VATTIKUNTA MAHITHA
27	U19CB057	VEERA BOBBY VELUGUBANTLA
28	U19CB058	VEERAKUMAR A
29	U19CB059	VEERAMALLA ABHINAV RAO

30	U19CB060	VEERANKI KRISHNA SAI
31	U19CB061	VEERANKI S RAMA KRISHNA
32	U19CB062	VEERAREDDYGARI BHARATH SIMHA REDDY
33	U19CB063	VEERASAHITHYAN A
34	U19CB064	VELLANKI VENKATA PHANINDRA KUMAR NAIDU
35	U19CB065	VELPULA RISHIKESH
36	U19CB066	VELPURI SUBBARAO
37	U19CB067	VELPURI UPENDRA BABU
38	U19CB068	VELURU NITHISH REDDY
39	U19CB069	VEMAVARAPU SAI RADHESH
40	U19CB070	VEMIREDDY MONIKA
41	U19CB071	VEMIREDDY SAI KRISHNA REDDY
42	U19CB072	VEMIREDDY UPENDRA REDDY
43	U19CB073	VEMPA SURYA PRATHAP
44	U19CB074	VEMULA SAISAMYUKTHA
45	U19CB075	VEMULA SANTHOSH BABU

B. Sundarj

Course Coordinator



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,
Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year	2019-20			
Term				
Course Number				
Course Title	BUSINESS ANALYTICS & TEXT MINING MODELING USING PYTHON			
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	<input checked="" type="checkbox"/>	80-100	
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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	No
(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	yes
(f)	To Improve CGPA	yes

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	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor	
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HEAD OF THE DEPARTMENT

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

COURSE FEEDBACK FORM

Academic Year		2019-20					
Term							
Course Number							
Course Title		BUSINESS ANALYTICS & TEXT MINING MODELING USING PYTHON					
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	<input checked="" type="checkbox"/>
2. Number of hours per week spent on the course (Other than lecture hours)							
0-2		2-4		4-6		6-8	<input checked="" type="checkbox"/>
3. Preparation for the course by the student:							
(i)	Have done part of this course earlier			No			
(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			Yes			
(f)	To Improve CGPA			Yes			
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.	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						
6.	Accessibility outside the class	<input checked="" type="checkbox"/>					
7.	Others (please specify)	<input checked="" type="checkbox"/>					
A: Excellent		<input checked="" type="checkbox"/>	B: Very Good			C: Good	
					D: Satisfactory		E: Poor

HEAD OF THE DEPARTMENT

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

COURSE FEEDBACK FORM

Academic Year		2019-20					
Term							
Course Number							
Course Title		BUSINESS ANALYTICS & TEXT MINING MODELING USING PYTHON					
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	<input checked="" type="checkbox"/>
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"/>
3. Preparation for the course by the student:							
(i)	Have done part of this course earlier						No
(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						Yes
(f)	To Improve CGPA						Yes
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		C: Good		D: Satisfactory	
		<input checked="" type="checkbox"/>					

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.
 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University U.S.O Of UGC Act 1956)
 Chennai - 600 077 INDIA



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

SHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No.173, Ashram Road, Selayur, Chennai. T.N - 600 073.



CERTIFICATE OF PARTICIPATION



Mr. VEERAKUMAR A

For actively participating in the value added course "**Business Analytics & Text Mining Modelling using python**" Conducted by School of Computing,

BIHER

from 29-08-2019 to 09.09.2019 .

B.Sudhij

Course Coordinator

Head of the Department

Director

CERTIFICATE COURSE ON BUSINESS ANALYTICS & TEXT MINING
MODELLING USING PYTHON

Introduction of the Course: 26.09.2019



B. Sudhij

Course Coordinator

Head of the Department

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



Bharath

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

Requisition letter

Date: 30.08.2019

From

Dr.K.P.Kaliyamurthie,
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

Sub: Request of permission to conduct a value – added course on “Introduction to R Software”-Reg

With reference to above subject, I would like to bring to your kind notice that , our department interested to organize value added course “Intoduction to R Software” – reg in our campus premises on 04.09.2019, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: CSE smart class Room

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

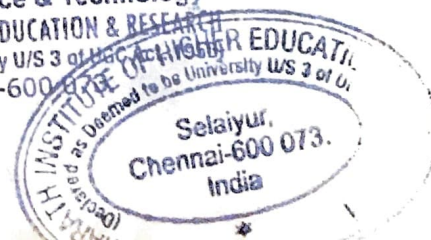
Submitted to principal for approval to organize this value-added course.

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.





Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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CIRCULAR

02.09.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Introduction to R Software** for the benefit of students. This course is scheduled from 04.09.2019 to 14.09.2019 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. Nalini	Professor
2	Ms. k. Sivaraman	Assistant professor

Head of Department

To

Copy to CSE

Copy to IT

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



Bharath

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

CERTIFICATE COURSE ON INTRODUCTION TO R SOFTWARE

Date of Introduction of the Course: 26.09.2019

COURSE SYLLABUS

1. Introduction of R Software

This class will introduce data management, simple descriptive statistics, and basic graphical display using the R software package

2. Course framework

The instructor will provide datasets and instructions for running various functions within R.

3. Class structure

In order to achieve learning objectives, students are expected to review provided course materials, including recorded lectures.

4. Grading

The student must successfully complete the four assignments, plus the analysis of an independent data set.

5. Resources

This is fairly easy, but you can review the steps for downloading in one of the early videos for this class.

6. R Studio

R Studio is an integrated development environment for the R programming language. Use of R Studio is encouraged,.

7. Github

There are several ways that you can access these files, and this is also described in an early video. If you have any trouble getting files stored at github, send me an email and I can give you those files as an email attachment.

8. Installing R and optionally, R Studio

If you are trying to work in R at the same time as viewing the recorded lectures, it is recommended that you use a system that will allow you to follow along with the recordings and make notes as needed.

9. Introduction and data sets with mostly continuous variables

The class will introduce basic methods for data import, data management, simple graphics, and basic statistical analysis.

10. Course evaluation

The course evaluation will be done through a written questionnaire, available at the virtual learning environment, where students are asked to describe their opinions on the various stages of the course for future development.

11. Technology Requirements

A computer or mobile device with high-speed internet connection. This course will work best on a laptop or a desktop computer. It is possible to use the tools we employ in this course on a tablet or smartphone, but it is not recommended

12. Course Logistics

Modules include pre-recorded videos with built-in quizzes. These quizzes are short and ungraded but are a way to assess your understanding of the topic.

COURSE OBJECTIVES

To learn and analyse and visualize data in R and learn to perform frequent in R programming software inference and modelling to understand natural phenomena and make data-based decisions.

Specifically, the course has the following objectives:

Students will learn

1. Understanding R Software
2. Understanding Technology requirements.
3. Analyse of R
4. Create and analysis R logistics,
5. Demonstrate a conceptual understanding of the R software
6. Perform course evaluation


K. S. K.
COURSE COORDINATOR


HEAD OF THE DEPARTMENT

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



Bharath

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

CERTIFICATE COURSE ON INTODUCTION ON R SOFTWARE

Date of Introduction of the Course: 26.09.2019


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	04-09-2019(FN)	1. Introduction of R Software This class will introduce data management, simple descriptive statistics, and basic graphical display using the R software package.
2	05-09-2019 (FN)	2. Course framework The instructor will provide datasets and instructions for running various functions within R.
3	06-09-2019 (FN)	3. Class structure In order to achieve learning objectives, students are expected to review provided course materials, including recorded lectures.
4,5	07-09-2019(FN) &(AN)	4. Grading 5. Resources The student must successfully complete the four assignments, This is fairly easy, but you can review the steps for downloading in one of the early videos for this class
6	09-09-2019 (FN)	6. R Studio R Studio is an integrated development environment for the R programming language. Use of R Studio is encouraged.
7	10-09-2019 (FN)	7. Github There are several ways that you can access these files, and this is also described in an early video. If you have any trouble getting files stored at github.
8	11-09-2019 (FN)	8. Installing R and optionally, R Studio If you are trying to work in at the same time as viewing the recorded lectures, it is recommended that you use a system that will allow you to follow along with the recordings and make notes as needed

9	12-09-2019 (FN)	<p>9. Introduction and data sets with mostly continuous variables.</p> <p>The course evaluation will be done through a written questionnaire, available at the virtual learning environment.</p>
10	13-09-2019 (FN)	<p>10. Course evaluation</p> <p>The course evaluation will be done through a written questionnaire, available at the virtual learning environment, where students are asked to describe their opinions on the various stages of the course for future development</p>
11,12	14-09-2019 (FN)&(AN)	<p>11. Technology Requirements</p> <p>12. Course Logistics</p> <p>A computer or mobile device with high-speed internet connection. This course will work best on a laptop or a desktop computer. It is possible to use the tools we employ in this course on a tablet.</p>


COURSE COORDINATOR


HEAD OF THE DEPARTMENT

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



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INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING		
Data Analysis and Decision Making		
B.Tech Computer Science and Engineering(2019-2020)		
S. No	REG.NO	NAME OF THE CANDIDATE
1	U19CB043	VADLAMUDI MAHESH
2	U19CB044	VAKKALAGADDA BHARGAVI
3	U19CB045	VALLABHASETTI DURGA KALYAN
4	U19CB046	VALLEPU KISHAN SAI
5	U19CB047	VANKAYALAPATI DIVYA NANDHU
6	U19CB048	VANKAYALAPATI SAI KUMAR
7	U19CB049	VANNEMREDDY DINESH
8	U19CB050	VARDHINENI SAI CHARAN
9	U19CB051	VARIKOLLU TEJASSU
10	U19CB052	VASANTHAN SELVAKUMAR
11	U19CB053	VASIREDDY PRASHANTH
12	U19CB054	VATHSAVAYI SAI CHARAN RAJEEV V
13	U19CB055	VATTE ABHINAV REDDY
14	U19CB056	VATTIKUNTA MAHITHA
15	U19CB057	VEERA BOBBY VELUGUBANTLA
16	U19CB058	VEERAKUMAR A
17	U19CB059	VEERAMALLA ABHINAV RAO
18	U19CB060	VEERANKI KRISHNA SAI
19	U19CB061	VEERANKI S RAMA KRISHNA
20	U19CB062	VEERAREDDYGARI BHARATH SIMHA REDDY
21	U19CB063	VEERASAHITHYAN A
22	U19CB064	VELLANKI VENKATA PHANINDRA KUMAR NAIDU
23	U19CB065	VELPULA RISHIKESH
24	U19CB066	VELPURI SUBBARAO
25	U19CB067	VELPURI UPENDRA BABU
26	U19CB068	VELURU NITHISH REDDY
27	U19CB069	VEMAVARAPU SAI RADHESH
28	U19CB070	VEMIREDDY MONIKA
29	U19CB071	VEMIREDDY SAI KRISHNA REDDY
30	U19CB072	VEMIREDDY UPENDRA REDDY


Course Coordinator


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

COURSE FEEDBACK FORM

Academic Year		2019-2020							
Term									
Course Number									
Course Title		Introduction To R Software							
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	<input checked="" type="checkbox"/>	80-100	
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"/>
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier No								
(ii)	Has adequate prior exposure to the prerequisites yes								
(iii)	Had to pickup relevant additional topics through concurrent study yes								
(iv)	Have no exposure to the background material No								
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 yes								
(f)	To Improve CGPA yes								
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	

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.
 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University UTS 3 Of UGC Act 1956)
 Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Introduction To R Software			
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	<input checked="" type="checkbox"/>	80-100	

2. Number of hours per week spent on the course (Other than lecture hours)									
0-2		2-4		4-6		6-8	<input checked="" type="checkbox"/>	8-10	

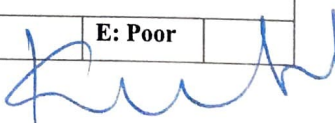
3. Preparation for the course by the student:	
(i)	Have done part of this course earlier No
(ii)	Has adequate prior exposure to the prerequisites yes
(iii)	Had to pickup relevant additional topics through concurrent study yes
(iv)	Have no exposure to the background material yes

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 yes
(f)	To Improve CGPA yes

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
2.	Content of the Subject	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
3.	Clarity of expression		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4.	Level of preparation		<input checked="" type="checkbox"/>	<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

COURSE FEEDBACK FORM

Academic Year		2019-2020					
Term							
Course Number							
Course Title		Introduction To R Software					
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	<input checked="" type="checkbox"/>
2. Number of hours per week spent on the course (Other than lecture hours)							
0-2		2-4		4-6		6-8	<input checked="" type="checkbox"/>
3. Preparation for the course by the student:							
(i)	Have done part of this course earlier						No
(ii)	Has adequate prior exposure to the prerequisites						yes
(iii)	Had to pickup relevant additional topics through concurrent study						yes
(iv)	Have no exposure to the background material						No
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						yes
(f)	To Improve CGPA						yes
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)							
		A	B	C	D	E	
1.	Pace of the Teaching/lecture	✓					
2.	Comment of the Subject		✓				
3.	Clarity of expression	✓					
4.	Level of preparation		✓				
5.	Level of interaction	✓					
6.	Accessibility outside the class		✓				
7.	Others (please specify)	✓					
A: Excellent		B: Very Good		C: Good		D: Satisfactory	
		✓					


HEAD OF THE DEPARTMENT
 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



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)

CERTIFICATE OF PARTICIPATION



Mr. KONDA BALAJI

For actively participating in the value added course "Introduction in R Software" Conducted by School of Computing, BIHER from 04-09-2019 to 14.09.2019 .

K. Sankar
Course Coordinator

[Signature]

Head of the Department

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)

[Signature]

Director

CERTIFICATE COURSE ON INTRODUCTION TO R SOFTWARE

Introduction of the Course: 26.09.2019




Course Coordinator


Head of the Department

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



Bharath

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

Requisition letter

Date: 5.09.2019

From

Dr.K.P.Kaliyamurthie,
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

Sub: Request of permission to conduct a value – added course on “Data Analysis and Decision Making”-Reg

With reference to above subject, I would like to bring to your kind notice that , our department interested to organize value added course “Data Analysis and Decision Making” – reg in our campus premises on 09.09.2019, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: CSE smart class Room

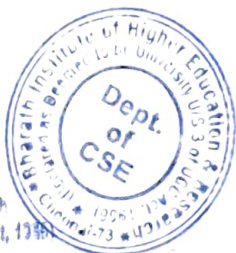
Timing: 9:30 AM to 12:30 PM (FN) and 1:30 PM to 4:30 PM(AN)

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.



Bharath

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

CIRCULAR

06.09.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Data Analysis and Decision Making** for the benefit of students. This course is scheduled from 09.09.2019 to 20.09.2019 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. G. Micheal	Professor
2	Mrs. G. Kavitha	Assistant professor

Head of Department

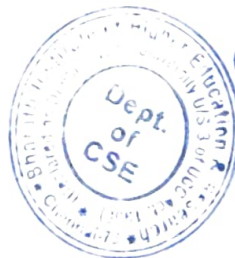
HEAD OF DEPARTMENT

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

To

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Bharath

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

CERTIFICATE COURSE ON INTRODUCTION TO DATA ANALYSIS AND DECISION MAKING

Date of Introduction of the Course: 26.09.2019

COURSE SYLLABUS

1. Describe quantitative approaches to data collection and analysis

This class will introduce data management, simple descriptive statistics, and basic graphical display using the data approach and collection of data analysis.

2. Utilize descriptive statistics to describe data

This class will analysis the utilization of data descriptive statics to describe the desired data part.

3. Apply the process of hypothesis Testing

In order to achieve learning objectives, students are expected to review provided course materials, including recorded lectures by using the hypothesis testing.

4. Utilize statistical software to calculate basic

The student must successfully complete the four assignments, plus the analysis of an independent data set and utilize software to calculate the basic of data.

5. Apply the proper inferential statistical

The student must successfully applying the proper inferential statistics to calculate the collection of data analysis.

6. Qualitative and quantitative methodologies

In order to achieve learning objectives, students are expected to review provided course materials, including recorded lectures by using qualitative and quantitative methodologies.

7. Interpret data analysis

There are several ways that you can access these files, and this is also described in an early video. If you have any trouble getting files stored at interpret data analysis, send me an email and I can give you those files as an email attachment.

8. Facilitate application

If you are trying to work in at the same time as viewing the recorded lectures, it is recommended that you use a system that will allow you to follow along with the recordings and make notes as needed.

9. Introduction and data sets with mostly continuous variables

The class will introduce basic methods for data import, data management, simple graphics, and basic statistical analysis.

10. Course evaluation



The course evaluation will be done through a written questionnaire, available at the virtual learning environment, where students are asked to describe their opinions on the various stages of the course for future development.

11. Technology Requirements

A computer or mobile device with high-speed internet connection. This course will work best on a laptop or a desktop computer. It is possible to use the tools we employ in this course on a tablet or smartphone, but it is not recommended

12. Course Logistics

Modules include pre-recorded videos with built-in quizzes. These quizzes are short and ungraded but are a way to assess your understanding of the topic.

COURSE OBJECTIVES

To learn and analyse and visualize data and learn to perform frequent and modelling to understand natural phenomena and make data-based decisions.

Specifically, the course has the following objectives:

Students will learn

1. Understanding data analysis
2. Understanding Technology requirements.
3. Analyse data collection
4. Create and analysis and requirements,
5. Demonstrate a conceptual understanding
6. Perform course evaluation



COURSE COORDINATOR



HEAD OF THE DEPARTMENT



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



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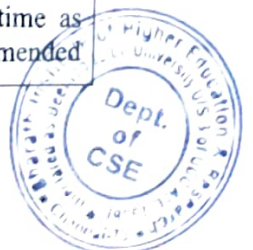
CERTIFICATE COURSE ON DATA ANALYSIS AND DECISION MAKING

Date of Introduction of the Course: 26.09.2019

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	09-09-2019(FN)	1. Describe quantitative approaches to data collection and analysis This class will introduce data management, simple descriptive statistics, and basic graphical display using the data approach and collection of data analysis.
2	10-09-2019 (FN)	2. Utilize descriptive statistics to describe data This class will analysis the utilization of data descriptive statics to describe the desired data part.
3	11-09-2019 (FN)	3. Apply the process of hypothesis Testing In order to achieve learning objectives, students are expected to review provided course materials, including recorded lectures by using the hypothesis testing.
4	12-09-2019(FN)	4. Utilize statistical software to calculate basic The student must successfully complete the four assignments, plus the analysis of an independent data set and utilize software to calculate the basic of data.
5	13-09-2019 (FN)	5. Apply the proper inferential statistical The student must successfully applying the proper inferential statistics to calculate the collection of data analysis
6,7	14-09-2019 (FN)&(AN)	6. Qualitative and quantitative methodologies 7. Interpret data analysis Explains the critique data-based claims and evaluated data-based decisions, and wrangle and visualize data with R packages for data analysis.
8	16-09-2019 (FN)	8. Facilitate application If you are trying to work in at the same time as viewing the recorded lectures, it is recommended



		that you use a system that will allow you to follow along with the recordings and make notes as needed
9	17-09-2019 (FN)	<p>9. Introduction and data sets with mostly continuous variables.</p> <p>The course evaluation will be done through a written questionnaire, available at the virtual learning environment.</p>
10	18-09-2019 (FN)	<p>10. Course evaluation</p> <p>The course evaluation will be done through a written questionnaire, available at the virtual learning environment, where students are asked to describe their opinions on the various stages of the course for future development</p>
11	19-09-2019 (FN)	<p>11. Technology Requirements</p> <p>A computer or mobile device with high-speed internet connection. This course will work best on a laptop or a desktop computer. It is possible to use the tools we employ in this course on a tablet.</p>
12	20-09-2019 (AN)	<p>12. Course Logistics</p> <p>Modules include pre-recorded videos with built-in quizzes. These quizzes are short and ungraded but are a way to assess your understanding of the topic.</p>


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

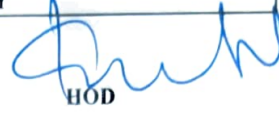
Introduction To R Software

B.Tech Computer Science and Engineering(2019-2020)

S. No	REG.NO	NAME OF THE CANDIDATE
1	U19CN001	KODUMURI HEMANTH KUMAR
2	U19CN002	KOGANTI MANOJ SAI
3	U19CN003	KOGURU INDRASENA REDDY
4	U19CN004	KOLA VAMSI VARDHAN
5	U19CN005	KOLAGANI VALESH
6	U19CN007	KOLLURI SAI SUMANTH
7	U19CN008	KOLLURI SINDHU SRI VANI
8	U19CN009	KOLLURU LAKSHMI NARAYANA SETTY
9	U19CN010	KOLLURU PRADEEP
10	U19CN011	KOMARAVELLY MAYUR
11	U19CN012	KOMMA HARI SAI PRADHYUMNA
12	U19CN013	KOMMANENI GAYATRI DEVI
13	U19CN014	KOMMI SAI SANDEEP KUMAR
14	U19CN015	KOMMINENI AJAY
15	U19CN016	KOMMINENI NAVEEN
16	U19CN017	KOMMU JASWANTH
17	U19CN018	KOMMU KUMAR
18	U19CN019	KONAKALLA REVANTH KUMAR
19	U19CN020	KONAKANCH RUDRA
20	U19CN021	KONAKANCHI GOPI CHAND
21	U19CN022	KONDA BALAJI
22	U19CN023	KONDA SRINIVASA REDDY
23	U19CN024	KONDAVEETI BALAJI
24	U19CN025	KONDAVETI SARVAN NAGA PAVAN
25	U19CN026	KONDIBOINA MADHU KUMAR
26	U19CN027	KONDU CHARITHA REDDY
27	U19CN028	KONDUPALLI GREESHMANTH KUMAR R
28	U19CN029	KONDURU KALYAN VARMA
29	U19CN030	KONETI SAI ANVITHA
30	U19CN031	KOPANATHI SIVAJI
31	U19CN032	KORRAPATI BHUVANESWARA CHARI
32	U19CN033	KORUKONDA LOKESH SATYA VEERASAI
33	U19CN034	KOTA VENKATRAO
34	U19CN035	KOTAPATI ASHOK REDDY
35	U19CN036	KOTEKANTI MOHAMMED ARIF
36	U19CN037	KOTHAPALLI LOKESH

37	U19CN038	KOTHAPALLI PREMVEER
38	U19CN039	KOTIPALLI SYAM SUNDAR
39	U19CN040	KOTLA SHASHANK
40	U19CN041	KOTTADA SATYA PRAKASH
41	U19CN042	KOTTURI SANDEEP KUMAR
42	U19CN043	KOVVURU HARSHA VARDHAN REDDY
43	U19CN044	KRUPASHANKARI S
44	U19CN045	KUDIKALA AKHIL
45	U19CN046	KUDITHI SAIMOHAN REDDY


COURSE COORDINATOR


HOD

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Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

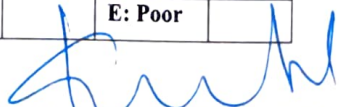
Academic Year		2019-2020							
Term									
Course Number									
Course Title		Data Analysis and Decision Making							
Number of Credits									
Type of Course	Regular		Elective		Add-on	<input checked="" type="checkbox"/>			
I. Information on the Respondent: (Tick (✓) Appropriately)									
1. Percentage of classes attended									
0-20		20-40		40-60		60-80	<input checked="" type="checkbox"/>	80-100	
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"/>
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier No								
(ii)	Has adequate prior exposure to the prerequisites yes								
(iii)	Had to pickup relevant additional topics through concurrent study yes								
(iv)	Have no exposure to the background material no								
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 yes								
(f)	To Improve CGPA yes								
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)									
		A	B	C	D	E			
1.	Pace of the Teaching/lecture	✓							
2.	Comment of the Subject	✓							
3.	Clarity of expression		✓						
4.	Level of preparation		✓						
5.	Level of interaction	✓							
6.	Accessibility outside the class	✓							
7.	Others (please specify)		✓						
A: Excellent		B: Very Good		C: Good		D: Satisfactory		E: Poor	

HEAD OF THE DEPARTMENT

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 Department of Computer Science and IT
 Birla Institute of Higher Education & Research
 11th Floor, Deemed to be University, Sector 14, Gurgaon, Haryana

COURSE FEEDBACK FORM

Academic Year		2019-2020							
Term									
Course Number									
Course Title		Data Analysis and Decision Making							
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	<input checked="" type="checkbox"/>	80-100	
2. Number of hours per week spent on the course (Other than lecture hours)									
0-2		2-4		4-6		6-8	<input checked="" type="checkbox"/>	8-10	
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier						No		
(ii)	Has adequate prior exposure to the prerequisites						yes		
(iii)	Had to pickup relevant additional topics through concurrent study						yes		
(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						yes		
(f)	To Improve CGPA						yes		
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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 Department Of Computer Science & Engg.,
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 Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020									
Term											
Course Number											
Course Title		Data Analysis and Decision Making									
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	<input checked="" type="checkbox"/>	80-100			
2. Number of hours per week spent on the course (Other than lecture hours)											
0-2		2-4		4-6		6-8	<input checked="" type="checkbox"/>	8-10			
3. Preparation for the course by the student:											
(i)	Have done part of this course earlier No										
(ii)	Has adequate prior exposure to the prerequisites yes										
(iii)	Had to pickup relevant additional topics through concurrent study yes										
(iv)	Have no exposure to the background material yes										
4. The expectations for taking the course by the student are: yes											
(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 yes										
(f)	To Improve CGPA yes										
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		<input checked="" type="checkbox"/>	E: Poor	

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CERTIFICATE OF PARTICIPATION



Mr. VEERA KUMAR

For actively participating in the value added course “Data Analysis and
Decision Making” Conducted by School of Computing, BIHER
from 09-09-2019 to 20.09.2019 .


Course Coordinator


Head of the Department


Director


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

**CERTIFICATE COURSE ON DATA ANALYSIS AND
DECISIONMAKING**

Introduction of the Course: 26.09.2019




Course Coordinator


Head of the Department
HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
Bharath Institute Of Higher Education & Research
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Chennai - 600 073, INDIA



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Requisition Letter

Date:02.09.2019

From
Dr. K.P.Kaliyamurthie,
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 "**Business Analytics & Data Mining Modeling Using R Part I**" -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on "**Business Analytics & Data Mining Modeling Using R Part I**" in our campus premises on **09.09.2019**, 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

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

05.09.2019

The School of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Business Analytics & Data Mining Modelling Using R Part I** for the benefit of students. This course is scheduled from 09.09.19 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.Rajabhushanam	Professor
2	Mr.A.V.Allin Geo	Assistant Professor

Head of Department

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)
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To

Copy to CSE

Copy to IT



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CERTIFICATE COURSE ON BUSINESS ANALYTICS & DATA MINING MODELLING USING R PART I

Date of Introduction of the Course: 26.09.2019

COURSE SYLLABUS

- 1. Introduction and Data Mining and R:**
General Overview of Data Mining and its Components Introduction and Data Mining Process Introduction to R Basic Statistical Techniques
- 2. Concepts of Visualization Techniques:**
Data Preparation and Exploration Visualization Techniques
- 3. Component Analysis Techniques**
Data Preparation and Exploration Visualization Techniques Dimension Reduction Techniques Principal Component Analysis
- 4. Prediction and Classification:**
Performance Metrics and Assessment Performance Metrics for Prediction and Classification
- 5. Linear Regression:**
Supervised Learning Methods Multiple Linear Regression
- 6. Naive Bayes in R & Data Mining:**
Supervised Learning Methods Naive Bayes
- 7. Classification & Regression Trees Methods:**
Supervised Learning Methods Classification & Regression Trees

COURSE OBJECTIVES

Objective of this course is to impart knowledge on use of data mining techniques for deriving business intelligence to achieve organizational goals. Use of R (statistical computing CSS - MOOCs Proposal software) to build, assess, and compare models based on real datasets and cases with an easy-to-follow learning curve.

Specifically, the course has the following objectives:

1. Understand concepts around Business Intelligence and Business Analytics
2. Explore Recommendation Systems with functions like Association Rule Mining, user-based collaborative filtering and Item-based collaborative filtering among others
3. Apply various supervised machine learning techniques
4. Perform Analysis of Variance (ANOVA)
5. Learn where to use algorithms - Decision Trees, Logistic Regression, Support Vector Machines, Ensemble Techniques etc


COURSE COORDINATOR


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CERTIFICATE COURSE ON BUSINESS ANALYTICS & DATA MINING MODELLING USING R PART I

Date of Introduction of the Course: 26.09.2019

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	09-09-2019(FN)	1.Introduction and Data Mining and R: General Overview of Data Mining and its Components Introduction and Data Mining Process Introduction to R Basic Statistical Techniques
2	10-09-2019 (FN)	2.Concepts of Visualization Techniques: Data Preparation and Exploration Visualization Techniques
3	11-09-2019 (FN)	3.Component Analysis Techniques Data Preparation and Exploration Visualization Techniques Dimension Reduction Techniques Principal Component Analysis
4	12-09-2019 (FN)	4.Prediction and Classification: Performance Metrics and Assessment Performance Metrics for Prediction and Classification
5	13-09-2019 (FN)	5.Linear Regression: Supervised Learning Methods Multiple Linear Regression
6,7	14-09-2019 (FN&AN)	6.Naave Bayes in R & Data Mining: Supervised Learning Methods Naave Bayes
8	16-09-2019	7.Classification & Regression Trees Methods: Supervised Learning Methods Classification & Regression Trees

COURSE COORDINATOR

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Department of Computer Science and Engineering

School of Computing

Business Analytics & Data Mining Modeling Using R Part I

Registered Students Name List

S.No	RegNo	Student Name
S.No	REG.NO	NAME OF THE CANDIDATE
1	U19CB001	THANNEERU RAM PRIYATHAM CHOWDARY
2	U19CB002	THARALA PRANAY
3	U19CB003	THATIPARTHI PAVAN KALYAN REDDY
4	U19CB004	THELLAGORLA RAM GOPI
5	U19CB005	THELLURI HEMANTH RATNA SAGAR REDDY
6	U19CB006	THIRUMAL REDDY NITHIN KUMAR REDDY
7	U19CB007	THIRUMALAI VASAN R
8	U19CB008	THIRUMANI THARUN
9	U19CB009	THOKALA SRI RAM CHARAN
10	U19CB010	THOTA ANAND
11	U19CB011	THOTA BHARATH KUMAR
12	U19CB012	THOTA DINESH
13	U19CB013	THOTA HEMANTH
14	U19CB014	THOTAKURA VEERA SATYA SAI CHANDRA
15	U19CB015	THULLURI SAI RAM
16	U19CB016	TIKKALA PARTHIV ADITYA
17	U19CB017	TIRUMALASETTI PAVAN SAI
18	U19CB018	TIRUVEEDULA SATISH
19	U19CB019	TOGARANA YASWANTH
20	U19CB020	TOKLE PRASAD UDDHAV
21	U19CB021	TUMMALA ANJAN MAHESH BABU
22	U19CB022	TUNGALA TEJOSAI
23	U19CB023	ULLI MANIKANTA
24	U19CB024	UMMAGANI VIGNESH
25	U19CB025	UNDAMATLA VENKATA PRASAD
26	U19CB026	UNDELA LEKHANA
27	U19CB027	UNDRA VAMSI KRISHNA
28	U19CB028	S UPENDRA REDDY
29	U19CB029	UPPALA HARSHAVARDHAN SAI
30	U19CB030	UPPALA RAKESH

Course Coordinator

HOD

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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

Academic Year	2019-2020			
Term				
Course Number				
Course Title	Business Analytics & Data Mining Modeling Using R Part I			
Number of Credits				
Type of Course	Regular	Elective	Add-on	✓

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

1.	Percentage of classes attended									
	0-20		20-40		40-60		60-80	✓	80-100	✓

2.	Number of hours per week spent on the course (Other than lecture hours)									
	0-2		2-4		4-6	✓	6-8	.	8-10	

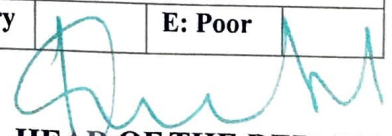
3.	Preparation for the course by the student:	
(i)	Have done part of this course earlier	Yes
(ii)	Has adequate prior exposure to the prerequisites	No
(iii)	Had to pickup relevant additional topics through concurrent study	Yes
(iv)	Have no exposure to the background material	Yes

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	Yes
(f)	To Improve CGPA	Yes

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

	A	B	C	D	E
1. Pace of the Teaching/lecture	✓				
2. Comment of the Subject			✓		
3. Clarity of expression			✓		
4. Level of preparation	✓				
5. Level of interaction	✓	✓			
6. Accessibility outside the class	✓				
7. Others (please specify)		✓			

A: Excellent	✓	B: Very Good		C: Good		D: Satisfactory		E: Poor
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 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University UIR 3 OF UGC Act,
 Chennai - 500 073 INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Business Analytics & Data Mining Modeling Using R Part I			
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
------	--	-------	--	-------	---	-------	--	--------

2. Number of hours per week spent on the course (Other than lecture hours)

0-2		2-4		4-6		6-8	✓	8-10
-----	--	-----	--	-----	--	-----	---	------

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	Yes
(iv)	Have no exposure to the background material	No

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

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓		✓		
2.	Comment of the Subject			✓		
3.	Clarity of expression	✓				
4.	Level of preparation	✓				
5.	Level of interaction	✓				
6.	Accessibility outside the class	✓				
7.	Others (please specify)		✓			

A: Excellent	✓	B: Very Good		C: Good		D: Satisfactory		E: Poor
--------------	---	--------------	--	---------	--	-----------------	--	---------

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.,
 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University U/S of UGC Act, 1956)
 CHENNAI - 600 077, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Business Analytics & Data Mining Modeling Using R Part I			
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"/>
------	--	-------	--	-------	--	-------	--	--------	-------------------------------------

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"/>
-----	--	-----	--	-----	--	-----	--	------	-------------------------------------

3. Preparation for the course by the student:

(i)	Have done part of this course earlier	NO
(ii)	Has adequate prior exposure to the prerequisites	Yes
(iii)	Had to pickup relevant additional topics through concurrent study	Yes
(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	NO
(b)	Get exposed to a relevant subject	NO
(c)	Curiosity	NO
(d)	Better Employment Opportunity	Yes
(e)	Complete Course requirements	Yes
(f)	To Improve CGPA	NO

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"/>		<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)					

A: Excellent	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor	
--------------	-------------------------------------	--------------	--	---------	--	-----------------	--	---------	--

HEAD OF THE DEPARTMENT

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



Bharath UNIVERSITY

பாரத பல்கலைக்கழகம்

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be-University u/s 7 of the UGC Act, 1956)



CERTIFICATE OF PARTICIPATION



Mr. THOTA ANAND

For actively participating in the value added course “**Business Analytics & Data Mining Modelling Using R Part I**” Conducted by School of Computing, BIHER from 09.09.19


Course Coordinator

Head of the Department


Director

Business Analytics & Data Mining Modelling Using R Part I

Introduction of the Course: 26.09.2019



Course Coordinator

Head of the Department

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



Bharath

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

Requisition Letter

Date: 03.09.2019

From
Dr. K.P.Kaliyamurthie,
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 **“Introduction to Fuzzy Set Theory, Arithmetic and Logic”** -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course **“Introduction to Fuzzy Set Theory, Arithmetic and Logic”** -Reg in our campus premises on **16.09.2019**, 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.





Bharath

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

CIRCULAR

06.09.2019

The School of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Introduction To Fuzzy Set Theory, Arithmetic And Logic** for the benefit of students. This course is scheduled from 16.09.19 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.Rajabhushanam	Professor
2	Mr.A.V.Allin Geo	Assistant Professor

Head of Department

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.

To

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

INTRODUCTION TO FUZZY SET THEORY, ARITHMETIC AND LOGIC

Date of Introduction of the Course: 26.09.2019

COURSE SYLLABUS

- 1. Introduction to Fuzzy:**
Introduction to Fuzzy sets, Crisp vs Fuzzy Types of Fuzzy sets, Membership functions, Alpha
- 2. Operation on fuzzy Techniques:**
Operation on fuzzy sets, t-norm, complements t-conorm, combination of operations continued
- 3. Fuzzy arithmetic Interval Concepts:**
Introduction to Fuzzy arithmetic Interval arithmetic
- 4. Logic of Alpha cuts:**
+, -, * using alpha cuts MIN and MAX fuzzy numbers
- 5. Alpha cuts Principals:**
Fuzzy arithmetic using Alpha cuts continued Decomposition principle
- 6. Extension Principle Fuzzy Methods:**
Extension principle Fuzzy arithmetic using Extension Principle Fuzzy Equations
- 7. Relations of Fuzzy Methods:**
Relations, Introduction to fuzzy relations Projections, Equivalence relation, transitive closure, compatibility relation

COURSE OBJECTIVES

The primary purpose of this course is to introduce students to the areas of Fuzzy set theory and Fuzzy logic. No previous knowledge is needed regarding Fuzzy set theory or Fuzzy logic. But familiarity with Classical set theory, and Two-valued logic will be helpful. In most real-life applications of any decision making, one needs to face many types of uncertainty. While as humans we can deal with this uncertainty with our reasoning prowess, it is not clear how to deal with this uncertainty in a system.

Specifically, the course has the following objectives:

1. Be able to distinguish between the crisp set and fuzzy set concepts
2. Student can learn the difference between the crisp set characteristic function and the fuzzy set membership function.
3. Students be able to draw a parallelism between crisp set operations and fuzzy set operations through the use of characteristic and membership functions respectively.
4. Students will be aware of the use of fuzzy inference systems in the design of intelligent or humanistic systems.


COURSE COORDINATOR


HEAD OF THE DEPARTMENT

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



Bharath

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

INTRODUCTION TO FUZZY SET THEORY, ARITHMETIC AND LOGIC

Date of Introduction of the Course: 26.09.2019

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	17-09-2019(FN)	1.Introduction to Fuzzy: Introduction to Fuzzy sets, Crisp vs Fuzzy Types of Fuzzy sets, Membership functions, Alpha
2	18-09-2019 (FN)	2.Operation on fuzzy Techniques: Operation on fuzzy sets, t-norm, complements t-conorm, combination of operations continued
3	19-09-2019 (FN)	3.Fuzzy arithmetic Interval Concepts: Introduction to Fuzzy arithmetic Interval arithmetic
4	20-09-2019 (FN)	4.Logic of Alpha cuts: +, -, * using alpha cuts MIN and MAX fuzzy numbers
5,6	21-09-2019 (FN&AN)	5.Alpha cuts Principals: Fuzzy arithmetic using Alpha cuts continued Decomposition principle
7	23-09-2019(FN)	6.Extension Principle Fuzzy Methods: Extension principle Fuzzy arithmetic using Extension Principle Fuzzy Equations
8	24-09-2019(FN)	7.Relations of Fuzzy Methods: Relations, Introduction to fuzzy relations Projections, Equivalence relation, transitive closure, compatibility relation


COURSE COORDINATOR


HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
Department of Mathematics, Science & English
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act 1956)
Chennai - 600 073, INDIA



Bharath

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

Department of Computer Science and Engineering School of Computing

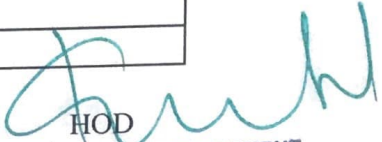
Introduction To Fuzzy Set Theory, Arithmetic And Logic

Registered Students Name List

S.No	RegNo	Student Name
S.No	REG.N0	NAME OF THE CANDIDATE
1	U19CB031	UPPALA SAI PRASAD
2	U19CB032	UPPALAPATI PAVAN KUMAR
3	U19CB033	UPPARI SAI RAHUL
4	U19CB034	UPPU SATHISH
5	U19CB035	UPPUTURI AKANKSHA
6	U19CB036	VADDELLI SRIJA
7	U19CB037	VADDI AKASH
8	U19CB038	VADLA SAI BHARGAVA ACHARI
9	U19CB039	VADLA SHRAVAN KUMAR
10	U19CB040	VADLA VENKAT JAYANTH ACHARI
11	U19CB041	VADLAKONDA SAI KIRAN
12	U19CB042	VADLAMUDI ANIL
13	U19CB043	VADLAMUDI MAHESH
14	U19CB044	VAKKALAGADDA BHARGAVI
15	U19CB045	VALLABHASETTI DURGA KALYAN
16	U19CB046	VALLEPU KISHAN SAI
17	U19CB047	VANKAYALAPATI DIVYA NANDHU
18	U19CB048	VANKAYALAPATI SAI KUMAR
19	U19CB049	VANNEMREDDY DINESH
20	U19CB050	VARDHINENI SAI CHARAN
21	U19CB051	VARIKOLLU TEJASSU
22	U19CB052	VASANTHAN SELVAKUMAR
23	U19CB053	VASIREDDY PRASHANTH
24	U19CB054	VATHSAVAYI SAI CHARAN RAJEEV V
25	U19CB055	VATTE ABHINAV REDDY
26	U19CB056	VATTIKUNTA MAHITHA
27	U19CB057	VEERA BOBBY VELUGUBANTLA
28	U19CB058	VEERAKUMAR A
29	U19CB059	VEERAMALLA ABHINAV RAO
30	U19CB060	VEERANKI KRISHNA SAI
31	U19CB061	VEERANKI S RAMA KRISHNA
32	U19CB062	VEERAREDDYGARI BHARATH SIMHA REDDY
33	U19CB063	VEERASAHITHYAN A
34	U19CB064	VELLANKI VENKATA PHANINDRA KUMAR NAIDU
35	U19CB065	VELPULA RISHIKESH
36	U19CB066	VELPURI SUBBARAO
37	U19CB067	VELPURI UPENDRA BABU

38	U19CB068	VELURU NITHISH REDDY
39	U19CB069	VEMAVARAPU SAI RADHESH
40	U19CB070	VEMIREDDY MONIKA
41	U19CB071	VEMIREDDY SAI KRISHNA REDDY
42	U19CB072	VEMIREDDY UPENDRA REDDY
43	U19CB073	VEMPA SURYA PRATHAP
44	U19CB074	VEMULA SAISAMYUKTHA
45	U19CB075	VEMULA SANTHOSH BABU
46	U19CB076	VEMUNOORI MANITEJA
47	U19CB077	VENGALA SHASHANK
48	U19CB078	VENKATA SAI MOUNIKA NOMULA
49	U19CB079	T VENKATA SUSMITHA
50	U19CB080	VENNAM RAMAKRISHNA REDDY


Course Coordinator


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

COURSE FEEDBACK FORM

Academic Year		2019-2020					
Term							
Course Number							
Course Title		Introduction To Fuzzy Set Theory, Arithmetic And Logic					
Number of Credits							
Type of Course	Regular		Elective		Add-on	✓	

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

1. Percentage of classes attended

0-20		20-40		40-60		60-80	✓	80-100	✓
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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	✓
-----	--	-----	--	-----	---	-----	--	------	---

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	yes
(iv)	Have no exposure to the background material	No .

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	NO
(d)	Better Employment Opportunity	No .
(e)	Complete Course requirements	yes
(f)	To Improve CGPA	No .

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture		✓			
2.	Comment of the Subject	✓				
3.	Clarity of expression		✓			
4.	Level of preparation	✓				
5.	Level of interaction	✓				
6.	Accessibility outside the class			✓		
7.	Others (please specify)		✓			

A: Excellent		B: Very Good	✓	C: Good		D: Satisfactory		E: Poor
--------------	--	--------------	---	---------	--	-----------------	--	---------

HEAD OF THE DEPARTMENT
 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

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Introduction To Fuzzy Set Theory, Arithmetic And Logic			
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"/>
------	--	-------	--	-------	--	-------	--	--------	-------------------------------------

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"/>
-----	--	-----	--	-----	--	-----	--	------	-------------------------------------

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	yes
(iv)	Have no exposure to the background material	yes No.

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	No
(e)	Complete Course requirements	yes
(f)	To Improve CGPA	No.

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 <input checked="" type="checkbox"/>	B: Very Good	C: Good	D: Satisfactory	E: Poor
--	--------------	---------	-----------------	---------

HEAD OF THE DEPARTMENT

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

COURSE FEEDBACK FORM

Academic Year		2019-2020					
Term							
Course Number							
Course Title		Introduction To Fuzzy Set Theory, Arithmetic And Logic					
Number of Credits							
Type of Course	Regular		Elective		Add-on	✓	

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

1. Percentage of classes attended

0-20		20-40		40-60		60-80		80-100	✓
------	--	-------	--	-------	--	-------	--	--------	---

2. Number of hours per week spent on the course (Other than lecture hours)

0-2		2-4		4-6		6-8		8-10	✓
-----	--	-----	--	-----	--	-----	--	------	---

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	No
(iii)	Had to pickup relevant additional topics through concurrent study	yes
(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	No
(b)	Get exposed to a relevant subject	yes
(c)	Curiosity	No
(d)	Better Employment Opportunity	yes
(e)	Complete Course requirements	yes
(f)	To Improve CGPA	No.

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓				
2.	Comment of the Subject	✓				
3.	Clarity of expression		✓		✓	
4.	Level of preparation			✓		
5.	Level of interaction	✓				
6.	Accessibility outside the class			✓		
7.	Others (please specify)		✓			

A: Excellent	B: Very Good	C: Good	D: Satisfactory	E: Poor
--------------	--------------	---------	-----------------	---------

HEAD OF THE DEPARTMENT

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



Bharath UNIVERSITY

பாரத பல்கலைக்கழகம்

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed to be University, u/s 3 of the UGC Act, 1956)



CERTIFICATE OF PARTICIPATION



Mr. VEERAKUMAR A

For actively participating in the value added course “**Introduction to Fuzzy Set Theory, Arithmetic And Logic** ”Conducted by School of Computing,
BIHER from 16.09.19 .

Course Coordinator

Head of the Department

Director

Introduction To Fuzzy Set Theory, Arithmetic and Logic

Introduction of the Course: 26.09.2019



Course Coordinator

Head of the Department

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



Bharath

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

Requisition Letter

Date:03.09.2019

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

To
The PRO ViceChancellor,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir

Subject: Request of Permission to conduct a value-added course on “**DOT NET COMPUTER COURSE**” -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “**DOT NET COMPUTER COURSE**” in our campus premises on **19.09.2019** , 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.





Bharath

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

CIRCULAR

06.09.2019

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **DOTNET COMPUTER COURSE** for the benefit of students. This course is scheduled from 19.09.2019 to 28.09.2019 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. G. Michael	Professor
2	Mr. S. Kavitha	Assistant Professor


Head of Department

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

To

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Bharath

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

CERTIFICATE COURSE ON DOTNET COMPUTER COURSE

Date of Introduction of the Course: 03.10.2019

COURSE SYLLABUS

1. MS Paint

To learn and analyse and visualize Presentation and setup of user interface and help Open and save an image

2. Photoshop

Demonstrates a conceptual understanding getting Acquainted with Photoshop Basic Image Manipulation.

3. PageMaker

Getting Acquainted with Photoshop ,Basic Image Manipulation

4. Coral Draw

Getting started with Corel Draw, Introduction to Corel Draw, Features of Corel Draw, Corel Draw Interface, Tool Box, Moving from Adobe Illustrator to Corel Draw, Common Tasks

5. Broadband Internet connectivity

Design Process , Designing Aids , Printing and presentation

6. Network Rack 4U for 24 port

Drawing and Coloring, Selecting Objects, Creating Basic Shapes, Reshaping Objects, Organizing objects, Applying color fills and Outlines

7. Patch Panel 24 Port

Applying Effects, Power of Blends Distortion, Contour Effects, Envelopes, Lens effects, Transparency, Creating Depth Effects, Power Clip

8. Digital Web Cam High Resolution

Corel Draw- Web resources, Internet Tool bar, Setting your webpage, Exporting files, Creating buttons with rollover effects .

9. Projector Screen Matte (antiglare) screen roll type

Working with Text and Graphics, Using Graphics, Applying Colors to Graphics, Framing Graphics, Cropping and masking Graphics, Working with Layers, Working with Master pages, Working with Plugins, Using Text Wrap

10. Screw Driver Set Standard

Effectively utilize the multiple methods of manipulating, retouching, refurbishing art work, photographs

11. Patch Panel 24 Port

Gain entry level position in Graphic design and animation

12. Broadband Internet connective

Understand multiple image types and the best application of each for graphic design, print and the web

COURSE OBJECTIVES

To learn and analyse and visualize data in R and learn to inference and modelling to the best application of each for graphic design, print and the web

Specifically, the course has the following objectives:

Students will learn

1. Understanding Projector Screen Matte
2. Understanding Digital Web Cam High Resolution
3. Analyse and visualize Screw Driver Set Standard
4. Create Basic Image Manipulation
5. Demonstrate a Getting Acquainted with Photoshop


Course
Coordinator


HOD

HEAD OF DEPARTMENT
Department Of Computer Science & IT
Bharath Institute Of Higher Education & Research
(Declared as Deemed to be University U/S 3 Of UGC Act, 1956)
Chennai - 600 073, INDIA



Bharath

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

CERTIFICATE COURSE Short term course on DOT NET COMPUTER COURSE

Date of Introduction of the Course: 03.10.2019

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	19-09-2019(FN)	THE COMMON LANGUAGE RUNTIME CLR Architecture and Services The .Net Intermediate Language (IL) Just- In- Time Compilation and CLS Disassembling .Net Application to IL Strict Type Checking
3	20-09-2019 (FN)	2.NET FRAMEWORK CLASS LIBRARY System Namespace, System .Object Namespace, System .Collection Namespace ,System .Type ,Exception
4	21-09-2019 (FN&AN)	3. LANGUAGE FUNDAMENTAL Data type and Control Constructs , Value and Reference Types , Declaring and Initializing Variables , Unicode Characters and Strings ,C.T.S Type , Implicitly Typed Local Variables ,Conditional Syntax ,C# Operator , Looping Syntax , Structure
5	23-09-2019 (FN)	4. ARRAY & STRING Arrays in General , Declaring of different type Arrays , Initializing Arrays , Accessing element of different type Array Members , Arrays of Objects , Structure type array , Using for each with Arrays ,Understanding System. String class and its various operations
6	24-09-2019(FN)	5. ADO.NET AND IT'S ARCHITECTURE Connection Object , Command Object , Dataset , Data Reader Object , Data Adapter Object , Concurrency and the Disconnected Data Architecture , Provider
7	25-09-2019 (FN)	6. DATA SET Creating Tables in Dataset , Data Column , Data Row , Data Table ,Updating, Inserting and Modification in Data Table ,Saving Changes into Data Base using Command Builder ,Working With Command and Connection

8	26-09-2019(FN)	7. CONNECTIONS AND COMMAND OBJECT Connection Object ,Command Object , Execute Non Query ,Execute Scalar
9	26-09-2019 (FN)	8. DATA READER Reading Data in Connected Environment , Moving and Accessing Value of Record , Execute Reader
10	27-09-2019 (FN)	9. INTRODUCTION TO ADO.NET How ADO.NET works and how it differs from ADO? Evolution of ADO to ADO.NET.
11	27-09-2019 (FN)	10. TRANSACTION Introduction of Transaction (ACID), Transaction Class , Method and Property , Commit and Rollback
12	28-09-2019 (FN&AN)	11. UNDERSTANDING PAGE LIFE CYCLE Understanding of Application Life Cycle , Page Life-cycle Stages, Life-cycle Events , Auto event wire up, Tracing and debugging asp.net pages

COURSE COORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date of Introduction of the Course: 03.10.2019

B.Tech Computer Science and Engineering

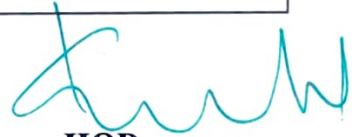
Introduction to DOT NET COMPUTER COURSE

S. No	REG.NO	NAME OF THE CANDIDATE
1	U19CB023	ULLI MANIKANTA
2	U19CB024	UMMAGANI VIGNESH
3	U19CB025	UNDAMATLA VENKATA PRASAD
4	U19CB026	UNDELA LEKHANA
5	U19CB027	UNDRA VAMSI KRISHNA
6	U19CB028	S UPENDRA REDDY
7	U19CB029	UPPALA HARSHAVARDHAN SAI
8	U19CB030	UPPALA RAKESH
9	U19CB031	UPPALA SAI PRASAD
10	U19CB032	UPPALAPATI PAVAN KUMAR
11	U19CB033	UPPARI SAI RAHUL
12	U19CB034	UPPU SATHISH
13	U19CB035	UPPUTURI AKANKSHA
14	U19CB036	VADDELLI SRIJA
15	U19CB037	VADDI AKASH
16	U19CB038	VADLA SAI BHARGAVA ACHARI
17	U19CB039	VADLA SHRAVAN KUMAR
18	U19CB040	VADLA VENKAT JAYANTH ACHARI
19	U19CB041	VADLAKONDA SAI KIRAN
20	U19CB042	VADLAMUDI ANIL
21	U19CB043	VADLAMUDI MAHESH
22	U19CB044	VAKKALAGADDA BHARGAVI
23	U19CB045	VALLABHASETTI DURGA KALYAN
24	U19CB046	VALLEPU KISHAN SAI
25	U19CB047	VANKAYALAPATI DIVYA NANDHU
26	U19CB048	VANKAYALAPATI SAI KUMAR
27	U19CB049	VANNEMREDDY DINESH
28	U19CB050	VARDHINENI SAI CHARAN
29	U19CB051	VARIKOLLU TEJASSU
30	U19CB052	VASANTHAN SELVAKUMAR
31	U19CB053	VASIREDDY PRASHANTH
32	U19CB054	VATHSAVAYI SAI CHARAN RAJEEV V
33	U19CB055	VATTE ABHINAV REDDY

34	U19CB056	VATTIKUNTA MAHITHA
35	U19CB057	VEERA BOBBY VELUGUBANTLA
36	U19CB058	VEERAKUMAR A
37	U19CB059	VEERAMALLA ABHINAV RAO
38	U19CB060	VEERANKI KRISHNA SAI
39	U19CB061	VEERANKI S RAMA KRISHNA
40	U19CB062	VEERAREDDYGARI BHARATH SIMHA REDDY
41	U19CB063	VEERASAHITHYAN A
42	U19CB064	VELLANKI VENKATA PHANINDRA
43	U19CB065	VELPULA RISHIKESH
44	U19CB066	VELPURI SUBBARAO
45	U19CB067	VELPURI UPENDRA BABU
46	U19CB068	VELURU NITHISH REDDY
47	U19CB069	VEMAVARAPU SAI RADHESH
48	U19CB070	VEMIREDDY MONIKA
49	U19CB071	VEMIREDDY SAI KRISHNA REDDY
50	U19CB072	VEMIREDDY UPENDRA REDDY



COORDINATOR



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

COURSE FEEDBACK FORM

Academic Year		2019-2020		
Term				
Course Number				
Course Title		DOTNET COMPUTER COURSES		
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"/>

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"/>

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 yes
(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 no
(b)	Get exposed to a relevant subject yes
(c)	Curiosity no
(d)	Better Employment Opportunity yes
(e)	Complete Course requirements yes
(f)	To Improve CGPA no

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	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor	
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HEAD OF THE DEPARTMENT

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		DOTNET COMPUTER COURSES			
Number of Credits					
Type of Course	Regular		Elective		Add-on ↗

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

1. Percentage of classes attended

0-20		20-40		40-60		60-80		80-100 ↗
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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 ↗
-----	--	-----	--	-----	--	-----	--	---

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	no
(b)	Get exposed to a relevant subject	yes
(c)	Curiosity	no
(d)	Better Employment Opportunity	yes
(e)	Complete Course requirements	yes
(f)	To Improve CGPA	no

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	↗				
2.	Comment of the Subject		↗			
3.	Clarity of expression	↗				
4.	Level of preparation		↗			
5.	Level of interaction	↗				
6.	Accessibility outside the class		↗			
7.	Others (please specify)	↗				

A: Excellent		B: Very Good ✓	C: Good		D: Satisfactory		E: Poor
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HEAD OF THE DEPARTMENT

COURSE FEEDBACK FORM

Academic Year	2019-2020			
Term				
Course Number				
Course Title	DOTNET COMPUTER COURSES			
Number of Credits				
Type of Course	Regular	Elective	Add-on	✓

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

1. **Percentage of classes attended**

0-20		20-40		40-60		60-80		80-100	✓
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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	✓
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3. **Preparation for the course by the student:**

(i)	Have done part of this course earlier	no
(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	yes
(f)	To Improve CGPA	no

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture		✓			
2.	Comment of the Subject		✓			
3.	Clarity of expression		✓			
4.	Level of preparation		✓			
5.	Level of interaction	✓				
6.	Accessibility outside the class	✓				
7.	Others (please specify)	✓				

A: Excellent	B: Very Good	C: Good	D: Satisfactory	E: Poor
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 Department Of Computer Science & Engg.,
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 Chennai - 600 073, INDIA



Shri INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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CERTIFICATE OF PARTICIPATION



Mrs. VADDELLI SRIJA

For actively participating in the value added course "DOT NET COMPUTER COURSES" Conducted by School of Computing, BIHER from 19-09-2019 to 28.09.2019 .

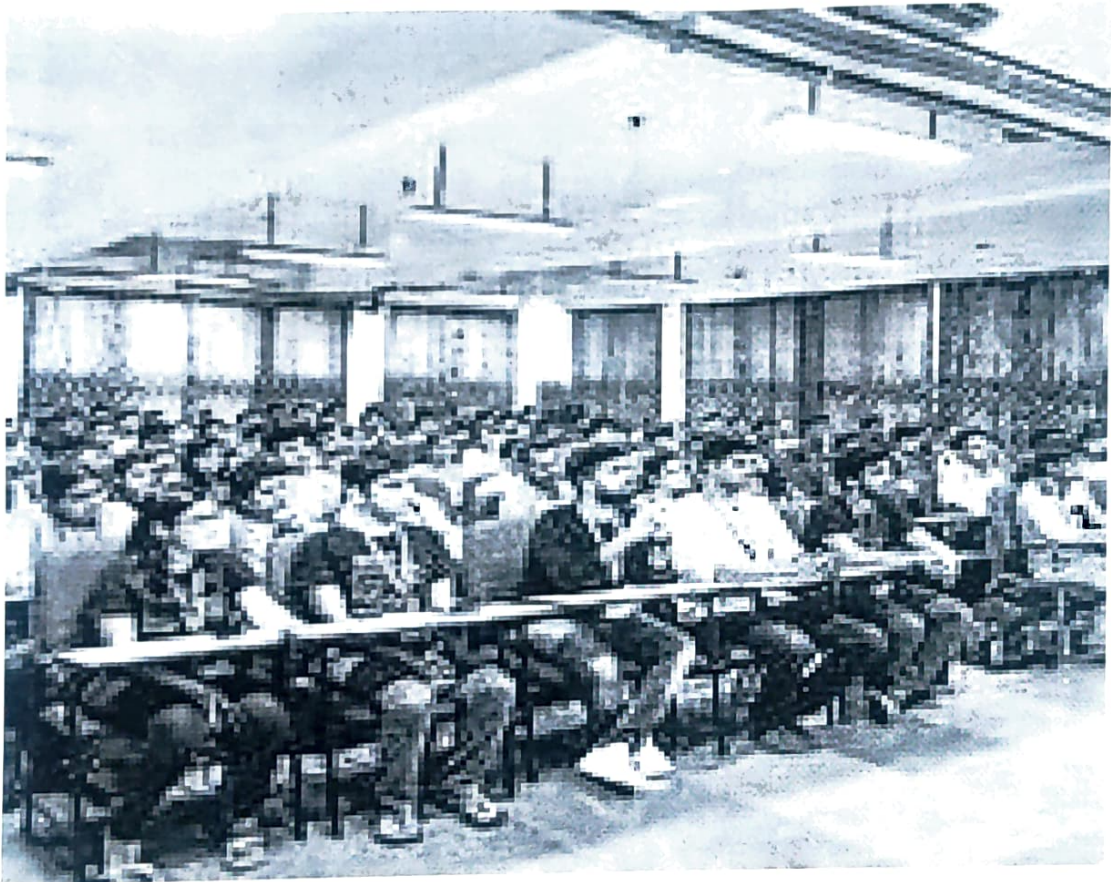
A. Kambh
Course Coordinator

Srinivas
Head of the Department

[Signature]
Director

CERTIFICATE COURSE ON DOTNET COMPUTER COURSE

Introduction of the Course: 03.10.2019



Course Coordinator

Head of the Department

HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
Bharath Institute Of Higher Education & Research
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Chennai - 600 073. INDIA



Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.6-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

Requisition letter

Date: 1.01.2020

From

Dr. Kaliyamurthie

M.E., PH.D, Professor &

Head, Department of CSE,

Bharath Institute of Higher Education and Research,
Chennai.

To

Pro.VC Academics,

Bharath Institute of Higher Education and Research,
Chennai.

Respected Sir

Sub: Request of permission to conduct a value – added course on “**Course on Cyber Crime**”-Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course “**Course on Cyber Crime**”-Reg in our campus premises on 8.01.2020, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: CSE smart class Room

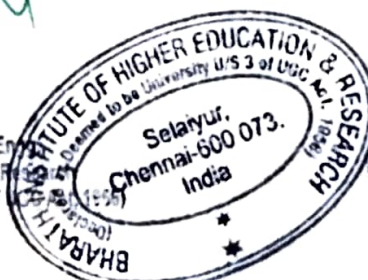
Timing: 9:30 AM to 12:30 PM (FN) and 1:30 PM to 4:30 PM (AN)

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

HOD

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Department Of Computer Science & Engg
Bharath Institute Of Higher Education & Research
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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)
Selayur, Chennai-600 073.



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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(Vide Notification No. F.9-5/2000 - U.3 Ministry of Human Resource Development, Govt. of India dated 4th July 2002)

CIRCULAR

04.01.2020

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Course on Cyber Crime** for the benefit of students. This course is scheduled from 08.01.2020 to 22.01.2020 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. Nalini	Professor
2	Mr. K. Sivaraman	Assistant Professor



Head of Department

To

Copy to CSE

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HEAD OF DEPARTMENT
Department Of Computer Science & Engg.
Bharath Institute Of Higher Education & Research
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CERTIFICATE COURSE ON CYBER CRIME

Date of Introduction of the Course: 12.02.2020

COURSE SYLLABUS

1. Cyber Forensic and Computer Crimes and types.

Definition of Cyber Crime & Computer related Crimes, Classification &

Differentiation between traditional crime and cyber crimes.

- (a) Data Theft
- (b) Hacking
- (c) Spreading Virus & Worms
- (d) Phishing
- (e) Cyber Stalking / Bullying

2. Crimes targeting Computers:

- (a) Identity Theft & Impersonation
- (b) Credit card & Online Banking Frauds
- (c) Obscenity, Pornography & Child Pornography
- (d) Cyber Defamation, Defacement,
- (e) Illegal online selling & Gambling
- (f) Denial of Service Attacks
- (g) Cyber terrorism
- (h) Software Piracy & illegal downloading

3. Cyber Crimes and prevention

- a) Reason for cyber crime
- b) Cyber Criminal Mode and Manner of Committing Cyber Crime

4. Prevention of Cyber Crimes & Frauds Critical analysis & loop holes of The IT Act, 2000

5. Cyber Crimes: Freedom of speech in cyber space & human right issues

6. Investigation of crime

- a) Investigation of Cyber Crimes
- b) Investigation of malicious applications

7. Agencies for investigation in India, their powers and their constitution as per Indian Laws

8. Search and Seizure Procedures of Digital Evidence

9. Securing the Scene, Documenting the Scene, Evidence Collection and Transportation

(a) Data Acquisition

(b) Data Analysis

(c) Reporting

10. Digital Forensics

(a) Computer Forensics

(b) Mobile Forensics

(c) Forensic Tools

(d) Anti – Forensics

11. International Organizations and Their Roles

(a) ICANN

(b) URDP

(c) WTO and TRIPS

(d) Interpol & Europol

(e) Impact of Cyber warfare on Privacy Identity

(f) Net Neutrality and EU Electronic communication Regulatory framework

(g) WCAG

(h) Social Networking sites Vis – a – Vis Human Right

12. Case Laws: Indian & International Cases

COURSE OBJECTIVES

To learn and analyse the cyber crime and related laws under the cyber security. To understand the crime commitment and prevention.

Specifically, the course has the following objectives:

Students will learn

1. Understand the threats in networks and security concepts.
2. Apply authentication applications in different networks.
3. Understand security services for email.
4. Awareness of firewall and its applications.

K. Sivan

COURSE COORDINATOR



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(Vide Notification No. F.9-5/2000 - U.3. Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

CERTIFICATE COURSE ON CYBER CRIME

Date of Introduction of the Course: 12.02.2020

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	08-01-2020(FN)	1. Cyber Forensic and Computer Crimes and types. Definition of Cyber Crime & Computer related Crimes, Classification & Differentiation between traditional crime and cyber crimes.
3	09-01-2020 (FN)	2. Crimes targeting Computers: Identity Theft & Impersonation, Credit card & Online Banking Frauds, Obscenity, Pornography & Child Pornography, Cyber Defamation, Defacement, Illegal online selling & Gambling, Denial of Service Attacks, Cyber terrorism, Software Piracy & illegal downloading
4	10-01-2020(FN)	3.Cyber Crimes and prevention To learn about the components that convert a list of data into visual UI elements
5,6	11-01-2020 (FN & AN)	4. Prevention of Cyber Crimes & Frauds Critical analysis & loop holes of The IT Act, 2000 To learn the prevention of cyber Crimes & Frauds Critical analysis
7	13-01-2020 (FN)	5. Cyber Crimes: Freedom of speech in cyber space & human right issues To learn freedom of speech in cyber space & human right issues
8	14-01-2020 (FN)	6. Investigation of crime To understand the investigation of Cyber Crimes and investigation of malicious applications
9	15-01-2020 (FN)	7. Agencies for investigation in India, their powers and their constitution as per Indian Laws
10	16-01-2020 (FN)	8. Search and Seizure Procedures of Digital Evidence To learn search and Seizure Procedures of Digital

		Evidence
11	17-01-2020 (FN)	9. Securing the Scene, Documenting the Scene, Evidence Collection and Transportation To learn Data Acquisition, Data Analysis and Reporting
12, 13	18-01-2020 (FN)	10. Digital Forensics To learn Computer Forensics, Mobile Forensics, ForensicTools and Anti - Forensics
14	20-01-2020 (AN)	11. International Organizations and Their Roles (a) ICANN (b) URDP (c) WTO and TRIPS (d) Interpol & Europol (e) Impact of Cyber warfare on Privacy Identity (f) Net Neutrality and EU Electronic communication Regulatory framework (g) WCAG (h) Social Networking sites Vis - a - Vis Human Right
15	22-01-2020 (FN)	12. Case Laws: Indian & International Cases

K. Sivan

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING		
Date of Introduction of the Course:12.02.2020		
B.Tech Computer Science and Engineering		
Course on Cyber Crime		
S. No	REG.NO	NAME OF THE CANDIDATE
1	U19CB001	THANNEERU RAM PRIYATHAM CHOWDARY
2	U19CB002	THARALA PRANAY
3	U19CB003	THATIPARTHI PAVAN KALYAN REDDY
4	U19CB004	THELLAGORLA RAM GOPI
5	U19CB005	THELLURI HEMANTH RATNA SAGAR REDDY
6	U19CB006	THIRUMAL REDDY NITHIN KUMAR REDDY
7	U19CB007	THIRUMALAI VASAN R
8	U19CB008	THIRUMANI THARUN
9	U19CB009	THOKALA SRI RAM CHARAN
10	U19CB010	THOTA ANAND
11	U19CB011	THOTA BHARATH KUMAR
12	U19CB012	THOTA DINESH
13	U19CB013	THOTA HEMANTH
14	U19CB014	THOTAKURA VEERA SATYA SAI CHANDRA
15	U19CB015	THULLURI SAI RAM
16	U19CB016	TIKKALA PARTHIV ADITYA
17	U19CB017	TIRUMALASETTI PAVAN SAI
18	U19CB018	TIRUVEEDULA SATISH
19	U19CB019	TOGARANA YASWANTH
20	U19CB020	TOKLE PRASAD UDDHAV
21	U19CB021	TUMMALA ANJAN MAHESH BABU
22	U19CB022	TUNGALA TEJOSAI
23	U19CB023	ULLI MANIKANTA
24	U19CB024	UMMAGANI VIGNESH
25	U19CB025	UNDAMATLA VENKATA PRASAD
26	U19CB026	UNDELA LEKHANA
27	U19CB027	UNDRA VAMSI KRISHNA
28	U19CB028	S UPENDRA REDDY
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30	U19CB030	UPPALA RAKESH
31	U19CB031	UPPALA SAI PRASAD

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33	U19CB033	UPPARI SAI RAHUL
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36	U19CB036	VADDELI SRIJA
37	U19CB037	VADDI AKASHI
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39	U19CB039	VADLA SHRAVAN KUMAR
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45	U19CB045	VALLABHASETTI DURGA KALYAN
46	U19CB046	VALLEPU KISHAN SAI
47	U19CB047	VANKAYALAPATI DIVYA NANDHU
48	U19CB048	VANKAYALAPATI SAI KUMAR
49	U19CB049	VANNEMREDDY DINESH

K. Sivan
 COURSE COORDINATOR



Head of the Department

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Department Of Computer Science & Engg.,
 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University U/S 3 Of UGC Act,
 Chennai - 600 072, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020					
Term							
Course Number							
Course Title		Course on Cyber Crime					
Number of Credits							
Type of Course	Regular		Elective		Add-on		✓

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

1. Percentage of classes attended									
0-20		20-40		40-60		60-80	✓	80-100	

2. Number of hours per week spent on the course (Other than lecture hours)									
0-2		2-4		4-6		6-8		8-10	✓

3. Preparation for the course by the student:		
(i)	Have done part of this course earlier	No
(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

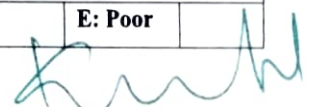
4. The expectations for taking the course by the student are:		
(a)	Enhance by skill base in the area of specializations	Yes
(b)	Get exposed to a relevant subject	Yes
(c)	Curiosity	Yes
(d)	Better Employment Opportunity	Yes
(e)	Complete Course requirements	Yes
(f)	To Improve CGPA	Yes

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓				
2.	Comment of the Subject		✓			
3.	Clarity of expression	✓				
4.	Level of preparation	✓				
5.	Level of interaction	✓				
6.	Accessibility outside the class		✓			
7.	Others (please specify)	✓				

A: Excellent	✓	B: Very Good		C: Good		D: Satisfactory		E: Poor
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HEAD OF THE DEPARTMENT


 HEAD OF DEPARTMENT
 Department of Information Systems & Technology
 Faculty of Information Systems & Technology
 (Declared as Dean, IIT Madras, K. J. Somaiya Institute of
 Chennai - 600 076, INDIA)

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Course on Cyber Crime			
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 <input checked="" type="checkbox"/>	80-100
------	--	-------	--	-------	--	---	--------

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"/>
-----	--	-----	--	-----	--	-----	--	--

3. Preparation for the course by the student:

(i)	Have done part of this course earlier	No
(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	Yes
(f)	To Improve CGPA	Yes

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

		A	B	C	D	E
1.	Pace of the Teaching/lecture	✓				
2.	Comment of the Subject	✓				
3.	Clarity of expression		✓			
4.	Level of preparation	✓				
5.	Level of interaction	✓				
6.	Accessibility outside the class	✓				
7.	Others (please specify)	✓				

A: Excellent		B: Very Good <input checked="" type="checkbox"/>	C: Good		D: Satisfactory	E: Poor
--------------	--	--	---------	--	-----------------	---------

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department of Computer Science & Engg
 Bharati Institute of Engineering & Research
 (Declared as Deemed to be University by UGC Act, 1956)
 GATEWAY TO KNOWLEDGE

COURSE FEEDBACK FORM

Academic Year		2019-2020					
Term							
Course Number							
Course Title		Course on Cyber Crime					
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	<input checked="" type="checkbox"/>
2. Number of hours per week spent on the course (Other than lecture hours)							
0-2		2-4		4-6		6-8	<input checked="" type="checkbox"/>
3. Preparation for the course by the student:							
(i)	Have done part of this course earlier						No
(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						Yes
(f)	To Improve CGPA						Yes
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		C: Good		D: Satisfactory	
		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	

HEAD OF THE DEPARTMENT


 HEAD OF DEPARTMENT
 Department of Information Systems
 Bharati Vastu
 (located) at



Shree

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)
(Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4th July 2002)

CERTIFICATE OF PARTICIPATION



MS. BANDARU RAMESH

For actively participating in the value added course "**Statistics with R
Specialization**" Conducted by School of Computing, BIHER
from 07-01-2015 to 19.01.2015 .

K. Sivan

Course Coordinator

_____ Head of the Department

Director

CERTIFICATE COURSE ON CYBER CRIME

Introduction of the Course: 12-02-2020



Course Coordinator

Head of the Department

HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
Rajarath Institute Of Higher Education & Research
(Declared as Deemed to be University D33 of UGC Act, 1956)
Chennai - 600 073, INDIA



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed to be University under section 3 of UGC Act 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No.173, Agharam Road, Selaiyur, Chennai, T.N. 600 073.

Requisition Letter

Date: 3.01.2020

From
Dr. K.P.Kaliyamurthie,
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 “**Cyber Security And Information Security**” -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “**Cyber Security And Information Security**” in our campus premises on **10.01.2020**, 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

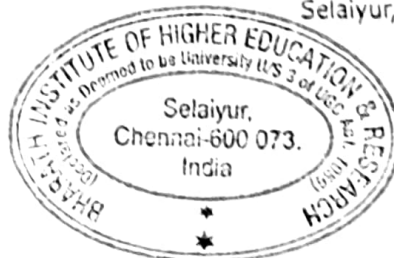
DEAN (Engineering)

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.





Bharath

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



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
No. 173, Agharam Road, Selaiyur, Chennai . T.N - 600 073.

CIRCULAR

07.01.2020

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Cyber Security And Information Security** for the benefit of students. This course is scheduled from 10.01.2020 to 23.01.2020 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	Ms. C. Nalini	Professor
2	Mr. B. Sridhar	Assistant Professor

To

Copy to CSE

Copy to IT

Head of Department

HEAD OF DEPARTMENT
Department Of Computer Science & Engg.
Bharath Institute Of Higher Education & Research
(Declared as Deemed to be University UGS Of UGC Act)
Chennai - 600 073, INDIA



CERTIFICATE COURSE ON STATISTICS WITH CYBER SECURITY AND INFORMATION SECURITY

Date of Introduction of the Course: 12.02.2020

COURSE SYLLABUS

1. Pre-requisites in Information and Network Security

Overview of Networking Concepts: Basics of Communication Systems, Transmission Media Topology and Types of Networks, TCP/IP Protocol Stacks, Wireless Networks, the Internet.

2. Information Security Concepts

Background and Current Scenario, Types of Attacks, Goals for Security, E-commerce Security, Computer Forensics, Steganography

3. Security Threats and Vulnerabilities

Overview of Security threats, Weak / Strong Passwords and Password Cracking, Insecure Network connections, Malicious Code, Programming Bugs

4. Cryptography / Encryption

Introduction to Cryptography / Encryption, Digital Signatures, Public Key infrastructure, Applications of Cryptography, Tools and techniques of Cryptography

5. Security Management

Overview of Security Management, Information Classification Process, Security Policy, Risk Management, Security Procedures and Guidelines

6. Security Laws and Standards

Security Assurance, Security Laws, IPR, International Standards, Security Audit

7. Information and Network Security

Access Control and Intrusion Detection, Intrusion Detection Systems and Intrusion Prevention Systems

8. Server Management and Firewalls

User Management, Overview of Firewalls, Types of Firewalls, DMZ and firewall features

9. Security for VPN and Next Generation Technologies

VPN Security, Security in Multimedia Networks, Virtualization and Cloud Technology and Security.

10. System and Application Security

Security Architectures and Models, Designing Secure Operating Systems, Controls to enforce security services

11. System & OS Security

Desktop Security, email security: PGP and SMIME, Web Security: web authentication, SSL and SET
OS Security Vulnerabilities, updates and patches, OS integrity checks, Anti-virus software.

12. Wireless Networks and Security

Components of wireless networks, Security issues in wireless

COURSE OBJECTIVES

During cyber Security and Information Security course, Students will become familiar with various essential topics like preventing cyber-attacks, browsing securely, Information Security, System & OS Security, Wireless Networks and Security, etc.

Specifically, the course has the following objectives:

1. Understanding Security Threats and Vulnerabilities
2. Understanding Cryptography / Encryption
3. Know about Security Management Practices and Security Laws and Standards
4. Understanding Security for VPN and Next Generation Technologies
5. Demonstrate a conceptual understanding of the System and Application Security
6. Understanding Wireless Network and Security

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
Department Of Computer Science & Engg.,
Ehavan Institute Of Higher Education & Research
(Declared as Deemed to be University U/S Of UGC Act, 1956)
Chennai - 600 073, INDIA



**CERTIFICATE COURSE ON STATISTICS WITH CYBER SECURITY
AND INFORMATION SECURITY**

Date of Introduction of the Course: 12.02.2020


**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	10.01.2020 (FN)	1. Pre-requisites in Information and Network Security Overview of Networking Concepts: Basics of Communication Systems, Transmission Media Topology and Types of Networks, TCP/IP Protocol Stacks, Wireless Networks, the Internet.
2	11.01.2020 (FN)	2. Information Security Concepts Background and Current Scenario, Types of Attacks, Goals for Security, E-commerce Security, Computer Forensics, Steganography
3	13.01.2020 (FN)	3. Security Threats and Vulnerabilities Overview of Security threats, Weak / Strong Passwords and Password Cracking, Insecure Network connections, Malicious Code, Programming Bugs
4	14.01.2020 (FN)	4. Cryptography / Encryption Introduction to Cryptography / Encryption, Digital Signatures, Public Key infrastructure, Applications of Cryptography, Tools and techniques of Cryptography
5	15.01.2020 (FN)	5. Security Management Overview of Security Management, Information Classification Process, Security Policy, Risk Management, Security Procedures and Guidelines

6	16.01.2020 (FN)	6. Security Laws and Standards Security Assurance, Security Laws, IPR, International Standards, Security Audi
7	17.01.2020 (FN)	7. Information and Network Security Access Control and Intrusion Detection, Intrusion Detection Systems and Intrusion Prevention Systems
8,9	18.01.2020 (FN & AN)	8. Server Management and Firewalls User Management, Overview of Firewalls, Types of Firewalls, DMZ and firewall features
10	20.01.2020 (FN)	9. Security for VPN and Next Generation Technologies VPN Security, Security in Multimedia Networks, Virtualization and Cloud Technology and Security.
11	21.01.2020 (FN)	10. System and Application Security Security Architectures and Models, Designing Secure Operating Systems, Controls to enforce security services
12	22.01.2020 (AN)	11. System & OS Security Desktop Security, email security: PGP and SMIME, Web Security: web authentication, SSL and SET OS Security Vulnerabilities, updates and patches, OS integrity checks, Anti-virus software.
13	23.01.2020 (FN)	12. Wireless Networks and Security Components of wireless networks, Security issues in wireless


COURSE COORDINATOR


HEAD OF THE DEPARTMENT
 HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.
 Bharath Institute Of Higher Education & Reso-
 registered by the Council of Higher Education, Government of Tamil Nadu
 Chennai - 600 073. INDIA



Cyber Security And Information Security
Date of Introduction of the Course: 12-02-2020

School of Computing
Registered Students Name List

S.NO	REG.NO	NAME OF THE STUDENT
1	U19CN417	SHANTHOSH KUMAR PANDIAN S
2	U19CN418	SHANTHOSH S
3	U19CN419	R SHARATH KRISHNA
4	U19CN420	SHARMILA B
5	U19CN421	SHEELAM SHASHIDHAR REDDY
6	U19CN422	SHESHAMSETTY VISHNU CHAKRAVARTHI
7	U19CN124	MIDDE SAILAJA
8	U19CN125	MIDDE VENKATA RAKESH
9	U19CN126	MILKURI ABHINAV
10	U19CN127	MODDU VAMSI
11	U19CN128	MODUGULA VAMSI KRISHNA
12	U19CN129	MOGAL JAKEER HUSSAIN
13	U19CN130	MOHAMED AASHIK M S
14	U19CN131	MOHAMED ABDUL SHERIEF S
15	U19CN132	MOHAMMAD RIYAZ
16	U19CN133	MOHAMMAD SAMIUDDIN
17	U19CN134	MOHAMMAD SIRAJUDDIN
18	U19CN135	MOHAMMED MASOOD AHMED
19	U19CN136	MOHAMMED SAMEER
20	U19CN137	MOKKAPATI SAI SANJAY
21	U19CN138	MONDHITHOKA JAYA KUMAR
22	U19CN139	MOODE RAJASEKHAR
23	U19CN140	MOPURI VEERA NARAYANA
24	U19CN141	MOTUPALLI EZRA PRAKASH
25	U19CN142	MOTUPALLY SRIKARA CHARYA

26	U19CN143	MUDDANA VAMSI KRISHNA
27	U19CN153	MUPPALA SIDDARDHA SAI
28	U19CN154	MUPPALA CHANDRA SEKHAR
29	U19CN155	MUPPU THARUN KUMAR
30	U19CN156	MURARI MADHU
31	U19CN157	MUVVA PRANEETH KUMAR
32	U19CN158	NADIPELLI SRINATH
33	U19CN159	NAGABOINA NARESH
34	U19CN160	NAGAPURI SAI TEJA
35	U19CN161	NAGIREDDY HARINADH REDDY
36	U19CN162	NAGULA ROHITH
37	U19CN163	NAINA MOHAMMED RIFATH K
38	U19CN164	NAKKA SAI CHARAN REDDY
39	U19CN165	NAKKA TEETHU REDDY
40	U19CN166	NALABOLU HARIKA
41	U19CN167	NALAJAM SIREESHA
42	U19CN168	NALLA SANJAY KUMAR
43	U19CN489	TATIPARTHI VENKATA ASHOK REDDY
44	U19CN490	TEJA PALIVELA
45	U19CN491	TEKUMATLA PRAVALLIKA
46	U19CN492	TELAGAMSETTI LAKSHMAN BABU
47	U19CN493	TELUGU UMA MAHESH
48	U19CN494	TELUKUTLA SAMBASIVA RAO
49	U19CN495	THAKKELLAPATI BRAHMENDRA
50	U19CN496	THALLAPALLI RAKESH
51	U19CN498	THANGELLAPALLY VIGNESH
52	U19CN499	THANISH K

R. Sreedhar

COURSE COORDINATOR

[Handwritten Signature]

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department Of Computer Science & Engg.
 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University, UISO of UGC Act, 1956)
 Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year		2019-2020					
Term							
Course Number							
Course Title		Cyber Security And Information Security					
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"/>
2. Number of hours per week spent on the course (Other than lecture hours)							
0-2		2-4		4-6		6-8 <input checked="" type="checkbox"/>	8-10
3. Preparation for the course by the student:							
(i)	Have done part of this course earlier			No			
(ii)	Has adequate prior exposure to the prerequisites			No			
(iii)	Had to pickup relevant additional topics through concurrent study			Yes			
(iv)	Have no exposure to the background material			No			
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			Yes			
(f)	To Improve CGPA			Yes			
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	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory	E: Poor

HEAD OF THE DEPARTMENT

COURSE FEEDBACK FORM

Academic Year		2019-2020		
Term				
Course Number				
Course Title		Cyber Security And Information Security		
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	<input checked="" type="checkbox"/>	8-10	
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3. **Preparation for the course by the student:**

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

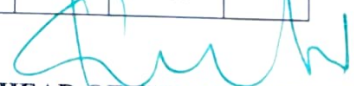
4. **The expectations for taking the course by the student are:**

(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	Yes
(f)	To Improve CGPA	Yes

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. 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"/>				
6. Accessibility outside the class		<input checked="" type="checkbox"/>			
7. Others (please specify)	<input checked="" type="checkbox"/>				

A: Excellent	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor	
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HEAD OF THE DEPARTMENT
HEAD OF DEPARTMENT
DEPARTMENT OF INFORMATION TECHNOLOGY
UNIVERSITY OF KERALA

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Cyber Security And Information Security			
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"/>
------	--	-------	--	-------	--	-------	--	--------	-------------------------------------

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"/>
-----	--	-----	--	-----	--	-----	--	------	-------------------------------------

3. Preparation for the course by the student:

(i)	Have done part of this course earlier	No
(ii)	Has adequate prior exposure to the prerequisites	No
(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	Yes
(f)	To Improve CGPA	Yes

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	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor	
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HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department Of Computer Science & Engg
 Bharath Institute Of Higher Education & Research
 (Declared as Deemed to be University by the Government of Karnataka)
 Bangalore



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No.173, Agharam Road, Selaiyur, Chennai . T.N . 600 073.

CERTIFICATE OF PARTICIPATION



MS. BANDARU RAMESH

For actively participating in the value added course “Cyber Security And Information Security ”Conducted by School of Computing, BIHER from 10.01.2020 to 23.01.2020 .

R. Sreedhar

Course Coordinator

[Signature]

Head of the Department

[Signature]

Director

**CERTIFICATE COURSE ON STATISTICS WITH CYBER SECURITY
AND INFORMATION SECURITY**

Introduction of the Course: 12.02.2020



R. Sridh

Course Coordinator

[Handwritten Signature]

Head of the Department

HEAD OF DEPARTMENT
Department of Statistics
Bharathi Institute of Postgraduate Studies
(Declared as Deemed to be University) - 600 073, Chennai
Chennai - 600 073, INDIA



Bharath

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



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
No. 173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

Requisition Letter

Date: 27-01-2020

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 “**Soft Computing techniques**” -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “**Soft Computing techniques**” in our campus premises on **03-02-2020**, 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 & Res
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.





CIRCULAR

29-01-2020

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Soft Computing techniques** for the benefit of students. This course is scheduled from 03-02-2020 to 15-02-2020 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	Mr. G. Michael	Professor
2	Mr. G. Kevithe .	Assistant Professor


Head of Department

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

To

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CERTIFICATE COURSE ON STATISTICS WITH SOFT COMPUTING TECHNIQUES

Date of Introduction of the Course: 02-03-2020

COURSE SYLLABUS

1. Introduction to Soft Computing

Concept of computing systems, "Soft" computing versus "Hard" computing, Characteristics of Soft computing, Some applications of Soft computing techniques

2. Introduction to fuzzy set theory

Probabilistic reasoning, Fuzzy sets, mathematics of fuzzy set theory, operations on fuzzy sets, comparison of fuzzy and crisp set theory.

3. Fuzzy logic & Defuzzification techniques

Fuzzy relations, rules, propositions, implications and inferences, Defuzzification techniques, Fuzzy logic controller design, some applications of Fuzzy logic

4. Fuzzy mapping

One to one mapping, max-min principle, extension principle, implication rules –implications

5. Membership functions

Universe of discourse, mapping inside fuzzy domain, fuzzy membership mapping methods, and application to real world problems.

6. Genetic Algorithms

Concept of "Genetics" and "Evolution" and its application to search techniques, GA operators: Encoding, Crossover, Selection, Mutation, etc.

7. Artificial Neural Networks

Artificial Neural Networks (ANN) and their biological roots and motivations.

8. Biological Neural Networks

Comparison between Artificial and Biological Neural Networks, Applications of Neural network.

9. Multi-objective Optimization Problem Solving

Concept of multi-objective optimization problems (MOOPs) and issues of solving them. Multi-Objective Evolutionary Algorithm (MOEA).

10. Types of learning

Learning Laws: Hebb's rule, Delta rule, Widrow - Hoff (The Least-Mean-Square) learning rule

11. Supervised and unsupervised learning laws

Correlation learning rule, instar and out-star learning rules, Competitive learning, Credit Assignment Problem, Error Correction learning, Memory based learning, Boltzmann learning.

12. The Perceptron and its learning law

Classification of linearly separable patterns, Multi-Layer Perceptron, Supervised Learning, Back-Propagation Learning law. Feed forward networks, Recurrent Networks

COURSE OBJECTIVES

This course will cover fundamental concepts used in Soft computing. The concepts of Fuzzy logic (FL) will be covered first, followed by Artificial Neural Networks (ANNs) and optimization techniques using Genetic Algorithm (GA).

Specifically, the course has the following objectives:

1. Understanding fuzzy set theory
2. Understanding Fuzzy logic & Defuzzification techniques
3. Know about Genetic Algorithms
4. Comparison between Artificial and Biological Neural Networks
5. Understanding Supervised and unsupervised learning laws



COURSE COORDINATOR



HEAD OF THE DEPARTMENT

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



CERTIFICATE COURSE ON STATISTICS WITH SOFT COMPUTING TECHNIQUES

Date of Introduction of the Course: 02-03-2020

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	03-02-2020 (FN)	1. Introduction to Soft Computing Concept of computing systems, "Soft" computing versus "Hard" computing, Characteristics of Soft computing, Some applications of Soft computing techniques
2	04-02-2020 (FN)	2. Introduction to fuzzy set theory Probabilistic reasoning, Fuzzy sets, mathematics of fuzzy set theory, operations on fuzzy sets, comparison of fuzzy and crisp set theory.
3	05-02-2020 (FN)	3. Fuzzy logic & Defuzzification techniques Fuzzy relations, rules, propositions, implications and inferences, Defuzzification techniques, Fuzzy logic controller design, some applications of Fuzzy logic
4	06-02-2020 (FN)	4. Fuzzy mapping One to one mapping, max-min principle, extension principle, implication rules –implications
6	07-02-2020 (FN)	5. Membership functions Universe of discourse, mapping inside fuzzy domain, fuzzy membership mapping methods, and application to real world problems.
7	08-02-2020 (FN & AN)	6. Genetic Algorithms Concept of "Genetics" and "Evolution" and its application to search techniques, GA operators: Encoding, Crossover, Selection, Mutation, etc.
8	10-02-2020 (FN)	7. Artificial Neural Networks

		Artificial Neural Networks (ANN) and their biological roots and motivations.
10	11-02-2020(FN)	8. Biological Neural Networks Comparison between Artificial and Biological Neural Networks, Applications of Neural network.
11	12-02-2020 (FN)	9. Multi-objective Optimization Problem Solving Concept of multi-objective optimization problems (MOOPs) and issues of solving them. Multi-Objective Evolutionary Algorithm (MOEA).
12	13-02-2020 (FN)	10. Types of learning Learning Laws: Hebb's rule, Delta rule, Widrow - Hoff (The Least-Mean-Square) learning rule
13	14-02-2020 (FN)	11. Supervised and unsupervised learning laws Correlation learning rule, instar and out-star learning rules, Competitive learning, Credit Assignment Problem, Error Correction learning, Memory based learning, Boltzmann learning.
14	15-02-2020 (FN)	12. The Perceptron and its learning law Classification of linearly separable patterns, Multi-Layer Perceptron, Supervised Learning, Back-Propagation Learning law. Feed forward networks, Recurrent Networks

G. Kavitha

COURSE COORDINATOR



HEAD OF THE DEPARTMENT

DEPARTMENT
of Computer Science & Engg.
E. G. College of Higher Education & Research
(Proclamation of the Government of India U/S 3 OF UGC Act, 1956)
WILSON COLLEGE, INDIA



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed - to - be University under section 3 of UGC Act 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No. 173, Agharam Road, Selaiyur, Chennai , T.N - 600 073.

Soft Computing techniques
Date of Introduction of the Course: 02-03-2020

School of Computing
Registered Students Name List

S.NO	REG.NO	NAME OF THE STUDENT
1	U19CS301	ERAKALA SAI TEJA
2	U19CS302	ERAVENI YASWANTH
3	U19CS303	EERELLA BHANU
4	U19CS304	E ESWAR
5	U19CS305	ETTABONIA AKHIL VARMA
6	U19CS306	FRANCY K
7	U19CS307	GADA SRIMANTH
8	U19CS308	GADDAM GANESH
9	U19CS309	GADDAM RANGA UDAY SUDHEER
10	U19CS310	GADDE PRAVALLIKA
11	U19CS311	GADE NIKHIL SAI
12	U19CS312	GADEY YASASWI KAMALA VAISHNAVI
13	U19CS313	GADIRAJU SUMANTH KUMAR VARMA
14	U19CS314	GAJJA ROHAN
15	U19CS315	GAJJALA RAM PRAKASH REDDY
16	U19CS316	GAJULA GOWTHAM
17	U19CS317	GAJULA PAVAN KUMAR
18	U19CS318	GAJULA SRI RANGANATH
19	U19CS319	GALI NAVEEN
20	U19CS320	GALI UMA MAHESWARA REDDY
21	U19CS321	GALLA AJAY KUMAR
22	U19CS322	GANDAVARAPU ROSHAN
23	U19CS323	GANDE KARTHIK RAJ
24	U19CS324	GANDEPALLI THARAKESWARA PRASAD
25	U19CS325	GANDHAM SAISUSHEEL

26	U19CS326	GANDLA HARI CHANDANA
27	U19CS327	GANDLURU BHANU PRAKASH REDDY
28	U19CS328	GANGAVARAPU MAHESH
29	U19CS329	GANGAVARAPU VENKATESH
30	U19CS330	GANGIREDDY ABHISHEK REDDY
31	U19CS331	GANGULA SHASHI KUMAR
32	U19CS332	GANIMINENI YASWANATH
33	U19CS333	GANJANABOINA RAMANJANEYULU
34	U19CS334	GANJI LAKSHMI PRASANNA KUMAR
35	U19CS335	GANJIKUNTA SANTOSH
36	U19CS336	GANTA DEEPAK
37	U19CS337	GARLANKALA VENKATA CHAITANYA
38	U19CS338	GASAGANI NIKITH
39	U19CS339	GATTA VENKATA SAI SIVA KUMAR
40	U19CS340	GAYAM GANESH KRISHNAREDDY
41	U19CS341	GEETA GARPATI
42	U19CS342	GELLE DEEPIKA
43	U19CS343	GEMBALI REVANTH
44	U19CS344	B GIRI
45	U19CS345	GODDINDLA JANARDHAN
46	U19CS346	GOGIREDDY LAKSHMI NARASIMHA REDDY
47	U19CS347	GOGULA ANIL KUMAR
48	U19CS348	GOKUL AJAY C P
49	U19CS349	GOLLA RAMJEE
50	U19CS350	GOLLADI SAI MAHESH VARDHAN
51	U19CS351	GOLLAPALLI VINAY JYOTHI
52	U19CS352	GOLLAPROLU NAGA KOTESWARA RAO
53	U19CS353	GONA VARUN KUMAR REDDY
54	U19CS354	GONDI VEERANJANEYULU
55	U19CS355	GONELA NARESH
56	U19CS356	GONUGUNTLA VAMSI KRISHNA

G. Kavitha

COURSE COORDINATOR

[Handwritten Signature]

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT

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

COURSE FEEDBACK FORM

Academic Year		2019-2020		
Term				
Course Number				
Course Title		Soft Computing techniques		
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	<input checked="" type="checkbox"/>	80-100	
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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	No
(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	Yes
(f)	To Improve CGPA	Yes

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	<input checked="" type="checkbox"/>	B: Very Good		C: Good		D: Satisfactory		E: Poor	
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HEAD OF THE DEPARTMENT
 HEAD OF DEPARTMENT
 Department Of Computer Science & IT
 Edith Institute of Higher Education, P.O.
 Box 1234, Durban, 4013, South Africa
 Tel: +27 31 201 2012

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Soft Computing techniques			
Number of Credits					
Type of Course	Regular		Elective		Add-on <input checked="" type="checkbox"/>

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5.	Level of interaction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
6.	Accessibility outside the class		<input checked="" type="checkbox"/>			
7.	Others (please specify)	<input checked="" type="checkbox"/>				

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HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department of Computer Science & Engg.,
 Biju Patnaik University of Technology, Bhubaneswar
 (Deemed to be University) UO Act, 1986
 O.D. No. 607/2019/10/1

COURSE FEEDBACK FORM

Academic Year		2019-2020			
Term					
Course Number					
Course Title		Soft Computing techniques			
Number of Credits					
Type of Course	Regular		Elective		Add-on <input checked="" type="checkbox"/>

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

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0-20		20-40		40-60		60-80	<input checked="" type="checkbox"/>	80-100	
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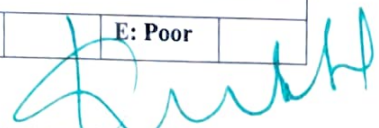
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(e)	Complete Course requirements	Yes
(f)	To Improve CGPA	Yes

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

	A	B	C	D	E
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HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
 Department of Computer Science & Engg.,
 Bharath Institute of Higher Secondary Education,
 (Declared as Deemed to be University by UGC, New Delhi, India)
 Chennai - 600 076, INDIA



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No.373, Ashram Road, Selaiyur, Chennai, T.N - 600 073.

CERTIFICATE OF PARTICIPATION



Mr. GANDHAM SAISUSHEEL

For actively participating in the value added course "Soft Computing techniques" Conducted by School of Computing, BIHER from 03-02-2020 to 15-02-2020 .

G. Kavitha
Course Coordinator

Head of the Department

Director

**CERTIFICATE COURSE ON STATISTICS WITH SOFT COMPUTING
TECHNIQUES**

Introduction of the Course: 02-03-2020



G. Kavitly

Course Coordinator

K. K. K.

Head of the Department

HEAD OF DEPARTMENT
Department of Chemistry
Bhawanipati, University of Calicut, Research
(Declared as Deemed to be University U.O. & UGC Act, 1956)
Chennai - 600 073, INDIA