



RATH INSTITUTE OF SCIENCE AND TECHNO No.173, Agharam Road, Selsiyur, Chennal , T.N - 600 073.

UTE OF HIGH

Requisition Letter

Date:25.05.2015

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 "Statistics with R Specialization" -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 "Statistics with R Specialization" in our campus premises on 02-06-2015, 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.

HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research [Declared as Deemed to be University 1950 Of UGC Act, 1956], Channel - 6 (





CIRCULAR

29.05.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Statistics with R Specialization** for the benefit of students. This course is scheduled from 02.06.2015 to 13.06.2015 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.S.Sadagopan	Professor
2	Ms.C.Geetha	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, no...) Chennai - 600 073. INDIA

То

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CERTIFICATE COURSE ON STATISTICS WITH R SPECIALIZATION

Date of Introduction of the Course: 02.07.2015

COURSE SYLLABUS

1. Introduction of Statistics with R Specialization

To learn and analyse and visualize data in R and create reproducible data analysis reports

2. Statistical Inference Fundamentals -1

Demonstrates a conceptual understanding of the unified nature of statistical inference.

3. Bayesian Statistical Inference Based Decisions

Performs frequentist and Bayesian statistical inference and modelling to understand natural phenomena and make data-based decisions.

4. Statistical Results

Explains the communication of statistical results correctly.

5. Statistical Jargon

Describes effectively, and in context without relying on statistical jargon

6. Data-Based Decisions

Explains the critique data-based claims and evaluated data-based decisions, and wrangle and visualize data with R packages for data analysis.

7. Statistical Data Analysis

Demonstrates mastery of statistical data analysis from exploratory analysis to inference to modelling, suitable for applying for statistical analysis or data scientist positions.

8. Bayesian Regression

Explains the Bayesian linear regressions and model averaging, which allows to make inferences and predictions using several models.

9. Perspectives on Bayesian Applications

Describes statisticians on how Applications use Bayesian statistics in various stages.

10. Bayesian Comparisons Techniques

Demonstrates Bayesian comparisons of means and proportions.

11. Bayesian regression Techniques

Explains the Bayesian regression and inference using multiple models.

12. Implementation in R Programming

Describes eliciting prior probabilities to implementing in R (free statistical software) the final posterior distribution.

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

- 1. Understanding Bayesian Statistics
- 2. Understanding linear regression.
- 3. Analyse and visualize data in R
- 4. Create reproducible data analysis reports,
- 5. Demonstrate a conceptual understanding of the unified nature of statistical inference
- 6. Perform frequentist and Bayesian statistical inference and modelling to understand natural phenomena

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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 U/S Act, 1950 Chennal - 600 073, INDIA



CERTIFICATE COURSE ON STATISTICS WITH R SPECIALIZATION

Date of Introduction of the Course: 02.07.2015

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	02-06-2015(FN)	1. Introduction of Statistics with R Specialization To learn and analyse and visualize data in R and create reproducible data analysis reports
2	03-06-2015 (FN)	2. Statistical Inference Fundamentals -1 Demonstrates a conceptual understanding of the unified nature of statistical inference
3	04-06-2015 (FN)	3. Bayesian Statistical Inference Based Decisions Performs frequentist and Bayesian statistical inference and modelling to understand natural phenomena and make data-based decisions.
4	05-06-2015 (FN)	4. Statistical Results Explains the communication of statistical results correctly
5,6	06-06-2015 (FN & AN)	5. Statistical Jargon Describes effectively, and in context without relying on statistical jargon
7	08-06-2015 (FN)	6. Data-Based Decisions Explains the critique data-based claims and evaluated data-based decisions, and wrangle and visualize data with R packages for data analysis.
8	09-06-2015 (FN)	7. Statistical Data Analysis Demonstrates mastery of statistical data analysis from exploratory analysis to inference to modelling, suitable for applying for statistical analysis or data scientist positions.
9	10-06-2015 (FN)	8. Bayesian Regression Explains the Bayesian linear regressions and model averaging, which allows to make inferences and predictions using several models.
10	11-06-2015 (FN)	9. Perspectives on Bayesian Applications Describes statisticians on how Applications use Bayesian statistics in various stages.
11	12-06-2015 (FN)	10. Bayesian Comparisons Techniques Demonstrates Bayesian comparisons of means and proportions.

12	13-06-2015 (FN)	11. Bayesian regression Techniques Explains the Bayesian regression and inference using multiple models.
13	13-06-2015 (AN)	12. Implementation in R Programming Describes eliciting prior probabilities to implementing in R (free statistical software) the final posterior distribution.

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Statistics with R Specialization Date of Introduction of the Course: 02.07.2015

School of Computing Registered Students Name List

S.NO	REG.NO	NAME OF THE STUDENT
1	U15CS001	ABHIJEET KUMAR
2	U15CS002	АВНІЛТ KUMAR GUPTA
3	U15CS003	ABHISHEK KUMAR SINGH
4	U15CS004	ALLU SAI SIVA PRIYANKA NAIDU
5	U15CS005	AMBIKE KUMAR SINGH
6	U15CS006	ANBUMANI S
7	U15CS007	ANJAR ALI
8	U15CS008	ANKAM MANJUNATH
9	U15CS009	ANNADI DHANUSH
10	U15CS010	ANNAVARAPU DIVYA
11	U15CS011	ANUMOLU YESWANTH
12	U15CS012	ARAVAPALLI SIVA VINAYA
13	U15CS013	ARAVINDHAN K R
14	U15CS014	ARVIND KUMAR YADAV
15	U15CS015	ARYAN SAHU
16	U15CS016	ASHISH AGARWAL
17	U15CS017	ASHISH RANJAN
18	U15CS018	ATTANTI RAVIKANTH
19	U15CS019	BANAVATH SUNIL NAIK
20	U15CS020	BANDARU RAMESH
21	U15CS021	BATTA SIVA PRASAD
22	U15CS022	BHARATH K
23	U15CS023	BHARATHI V
24	U15CS024	BIKKI KUMAR SHA

25	U15CS025	BINGEWAR SAISHARAN
26	U15CS026	BIRADAVOLU SUCHARITHA
27	U15CS027	BODA AKHIL WESLEY
28	U15CS028	BONALA SRIDHAR RAO
29	U15CS029	BRYAN STEVE PUSHPARAJ I
30	U15CS030	CHAKKA KSHITHIJA
31	U15CS031	CHAMARTHI LAKSHMI NARAYANA AVINASH
32	U15CS032	CHANDRA KANT CHOUDHARY
33	U15CS033	CHAPPIDI LAKSHMIKANTH REDDY
34	U15CS034	CHIDIPOTHU PRATHYUSHA
35	U15CS035	CHINTAGINJALA VENKATA SRI SAI SRAVYA
36	U15CS036	CHOWDHARY PRASANNA KUMAR
37	U15CS037	CHUNDI VENKATA SESHASAI RAMANAPATANJALI
38	U15CS038	CILLA SAI KISHORE
39	U15CS039	D N S HRUDAY BHARADWAJ
40	U15CS040	DADAM CHAITHRA
41	U15CS041	DEEPAK KUMAR SINGH
42	U15CS042	DILLIGANESH V
43	U15CS043	DIVAKAR M
44	U15CS044	DIVYA VANI T
45	U15CS045	DODDI PUJITHA
46	U15CS046	DOOLIGANTI AKHIL REDDY
47	U15CS047	DUPUGUNTLA BHANU SIVA KASINADH
48	U15CS048	GANDLUR REDDY GREESHMA

COURSE COORDINATOR

HEAD OF THE DEPAR

HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Rosearch (Declared as Deemed to be University U/S 3 Of UGC Act, 12) Chennai - 600 073. INDIA

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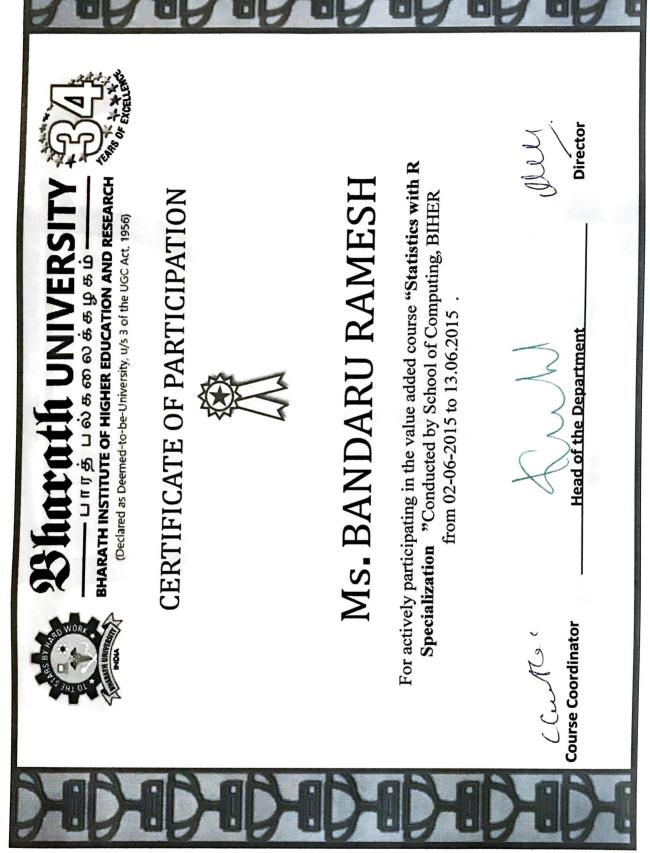
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HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Doclared as Deemed to be University U/S 3 Of UGC Act, 1955) Chennai - 600 073, INDtA

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<u>CERTIFICATE COURSE ON STATISTICS WITH R SPECIALIZATION</u> <u>Introduction of the Course: 02.07.2015</u>



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Course Coordinator

Head of the Department HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Doclared as Deemed to be University U/S 3 Of UGC Act, 1956) Chennai - 500 073, INDIA



BHARATH INSTITUTE OF SCIENCE AND TECHNOL(No.173, Agharem Road, Selalyur, Chennal , T.N - 600 073.

Requisition Letter

Date: 26.05.2015

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 "Training on CCNA Routing and Switching"-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 "Training on CCNA Routing and Switching" in our campus premises on 02.06.2015, 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





CIRCULAR

29.05.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Training on CCNA Routing and Switching** for the benefit of students. This course is scheduled from 02.06.2015 to 11.06.2015 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. N. Priva	Assistant Professor

Head of Department

HEAD OF DEPARTMENT

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CERTIFICATE COURSE ON Training on CCNA Routing and Switching

Date of Introduction of the Course: 02.07.2015

COURSE SYLLABUS

1. Network Fundamentals

To learn the role and function of network components (Routers, Switches, Bridges and Hubs). OSI and TCP/IP models Data flow between two hosts across a network

2. Characteristics of network topology architectures

Learn about 2 tier, 3 tier, Spine-leaf, WAN, Small office/home office (SOHO), On-premises and cloud

3. LAN Switching Technologies

Configure and verify initial switch configuration. Switch operation (ping, telnet), Identify enhanced switching technologies

4. Switching concepts

MAC learning and aging, Frame switching, Frame flooding, MAC address table

5. IP Routing Technologies

Basic routing concepts, describe the boot process of Cisco IOS routers, Configure and verify basic Router configuration

6. IP Connectivity

Interpret the components of routing table

7. IP Services

Configure and verify DHCP (IOS Router), ACL (Types, Features & Applications of ACLs), and Identify the basic operation of NAT, Describe SNMP v2 & v3

8. WAN Technologies

Identifying different WAN Technologies

9. IP addressing (IPv4 / IPv6)

Private and public IP addresses for IPv4, IPv6 addressing scheme, IPv4 addressing scheme using VLSM and summarization

10. Network Device Security

Define key security concepts, Describe security program elements, and Describe security password policies elements, such as management, complexity, and password alternatives

11. Troubleshooting

Utilize net flow data, Troubleshoot and Resolve VLAN problems, Identify and correct common network problems

12. Automation and programmability

How automation impacts network management, traditional networks with controller-based networking

COURSE OBJECTIVES

This course is designed to impart knowledge about detailed knowledge of Computer Networks, various protocols used in Communication, Managing and configuring Switches and Routers and various WAN technologies.

Students will learn

- 1. Understanding Network Fundamentals
- 2. Understanding LAN Switching Technologies
- 3. Analyse IP Routing Technologies
- 4. Understanding different WAN Technologies
- 5. Demonstrate Private and public IP addresses for IPv4, IPv6 addressing scheme
- 6. Knowing to resolve VLAN problems

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COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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CERTIFICATE COURSE ON STATISTICS WITH R SPECIALIZATION

Date of Introduction of the Course: 02.07.2015

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

<u>Time Table & Lesson plan</u>

OT ACC	DATE	TOPIC
CLASS	DATE	1.Network Fundamentals
1	02-06-2015(FN)	To learn the role and function of network components (Routers, Switches, Bridges and Hubs). OSI and TCP/IP models Data flow between two hosts across a network
2	03-06-2015 (FN)	2.Characteristics of network topology architectures Learn about 2 tier, 3 tier, Spine-leaf, WAN, Small office/home office (SOHO), On-premises and cloud
3	04-06-2015 (FN)	3. LAN Switching Technologies
		Configure and verify initial switch configuration. Switch operation (ping, telnet), Identify enhanced switching technologies
4	05-06-2015 (FN)	4. Switching concepts
		MAC learning and aging, Frame switching, Frame flooding, MAC address table
5	06-06-2015 (FN)	5. IP Routing Technologies
		Basic routing concepts, describe the boot process of Cisco IOS routers, Configure and verify basic Router configuration
6,7	06-06-2015 (FN	6. IP Connectivity
	& AN)	Interpret the components of routing table
		7. IP Services
		Configure and verify DHCP (IOS Router), ACL (Types, Features & Applications of ACLs), and Identify the basic operation of NAT, Describe SNMP v2 & v3

	08-06-2015 (FN)	8. WAN Technologies
8	08-00-2013 (111)	Identifying different WAN Technologies
9	09-06-2015 (FN)	9. IP addressing (IPv4 / IPv6)
9		Private and public IP addresses for IPv4, IPv6 addressing scheme, IPv4 addressing scheme using VLSM and summarization
10	10-06-2015 (FN)	10. Network Device Security
		Define key security concepts, Describe security program elements, and Describe security password policies elements, such as management, complexity, and password alternatives
11,12	11-06-2015 (FN & AN)	11. Troubleshooting Utilize net flow data, Troubleshoot and Resolve VLAN problems, Identify and correct common network
		problems
		12. Automation and programmability
		How automation impacts network management, traditional networks with controller-based networking

N. Priya COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH (Declared as Deemod-to-be University under section 3 of UGC Act. 1956) (Vide Notification No. F9-5/2000 - U.3. Ministry of Human Resource Development, Govt of India, dated 4" July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date of Introduction of the Course: 02.07.2015

B.Tech Computer Science and Engineering

Traning on CCNA Routing and Switching

	Traning on CCNA Routing and Switching						
S. No	REG.NO	NAME OF THE CANDIDATE					
1	U15CS042	DILLIGANESH V					
2	U15CS043	DIVAKAR M					
3	U15CS044	DIVYA VANI T					
4	U15CS045	DODDI PUJITHA					
5	U15CS046	DOOLIGANTI AKHIL REDDY					
6	U15CS047	DUPUGUNTLA BHANU SIVA KASINADH					
7	U15CS048	GANDLUR REDDY GREESHMA					
8	U15CS049	GANESH BAG					
9	U15CS050	GANGARAJU RAHUL					
10	U15CS051	GANGARAPU UKESH					
11	U15CS052	GANGU BHAGYA					
12	U15CS053	GLADSON J					
13	U15CS054	GOLI SUDEEP KRISHNA					
14	U15CS055	GOLLAPUDI KALYAN KUMAR					
15	U15CS056	GORRE THIRUPATHI REDDY					
16	U15CS057	GUJJETI MAHESH					
17	U15CS058	GUNDA VINAY KUMAR					
18	U15CS059	HANUMAN B					
19	U15CS060	HARI HARAN M					
20	U15CS061	HASTHI RUCHITHA					
21	U15CS062	HEMA NARAYANAN R					
22	U15CS063	INAPARTHI RAGHAVA					
23	U15CS064	INJE RAVI TEJA					
24	U15CS065	INNURU SWATHI					
25	U15CS066	JAGADEESH K					
26	U15CS067	JAGADEESWARA RAO JADDU					
27	U15CS068	JAICHAND KUMAR					
28	U15CS069	JANAKI RAMAN V					
29	U15CS070	JHA ABHISHEK AJAY					
30	U15CS071	JOHN PARAM JYOTHI JYOTHULA					
31	U15CS072	JOTHI R					
32	U15CS073	K THULASIRAM					
33	U15CS074	KADALI VINAY NARASIMHA					

34U15CS075KADUMU MOUNIKA35U15CS076KAIPU PRANAY REDDY36U15CS077KALYANAM JASWANTH NAIDU37U15CS078KAMBLE NIKHIL KUMAR38U15CS079KANCHARLAPALLI LOKESHWAR RAO39U15CS080KANCHUMARTHI BHUVANESWAR VINAY40U15CS081KANCHUPATI JAGANMOHAN RAO41U15CS082KANDI ASHOKA REDDY42U15CS083KANDI MOUNIKA43U15CS084KANDUKURI JESHWANTH44U15CS085KANDULA SRINATH45U15CS086KARAPAREDDY BHARGAVI46U15CS087KARTHEESWARAN P47U15CS088KARUTURI SREE RAM48U15CS090KATTA NARENDRA50U15CS091KHALYAN S N51U15CS092KISHORE VENKAT52U15CS093KM AYUSHI JAISWAL			
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COURSE CO. ORDINATOR

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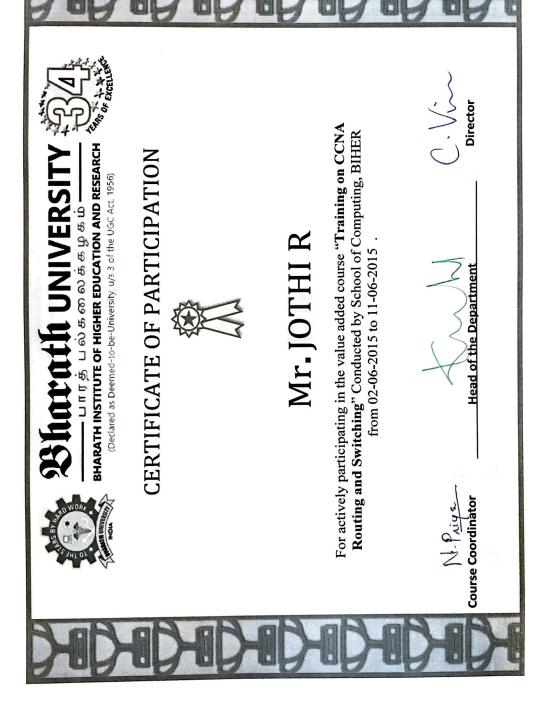
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	(b)	Get expose	ed to a relevant subj	ject			1 Y	28						
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	(c)	Curiosity							YAS			
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CERTIFICATE COURSE ON Training on CCNA Routing and Switching Introduction of the Course: 02.07.2015



NI. Prige Course Coordinator

Head of the Department





Requisition letter

Date: 18.05.2015

From

Dr.Kaliyamurthy M.E., Ph.D.,

Professor & Head,

Department of CSE,

Bharath Institute of Higher Education and Research,

Chennai.

То

Dean Engineering,

Bharath Institute of Higher Education and Research,

Chennai.

Respected Sir

Sub: Request of permission to conduct a value – added course on "Core java for android programming"-Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course "Core java for android programming" - Reg in our campus premises on 28.05.2015, 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



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.

HEAD OF DEPARTMENT Department Of Computer Science & Engg., GC Act, 1995)



CIRCULAR

21.05.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of CORE JAVA FOR ANDROID PROGRAMMING** for the benefit of students. This course is scheduled from 28.05.2015 to 09.06.2015 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. Gr. Michael	Professor
2	Mas. R. Kavitha	Assistant Professor

Head of Department

То

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CERTIFICATE COURSE ON CORE JAVA FOR ANDROID PROGRAMMING

Date of Introduction of the Course: 02.07.2015

COURSE SYLLABUS

1. Introduction of Core Java

To learn and analyse Core java for android

2. Introduction to android studio

Provides an overview of Android Studio, explaining how to install it and apply it to develop a simple app using basic Java and Android features presented in this MOO

3. MOOC Overview

organization of the MOOC and the topics it covers. It also discusses the MOOC prerequisites, workload, and learning strategies needed to complete the MOOC successfully. It then presents an overview of key features in the Java language, outlining its support for object-oriented programming concepts that guide the development of Android apps.

4. Writing a Simple Android App Using Basic Java Features

Explains how to write a simple Android app that defines variables using primitive Java data types, shows how to assign values to those variables, and output them to the Android display using Java classes and methods

5. Control Flow

Covers Java's looping constructs (e.g., for loops, while loops, and do/while loops), as well as its conditional statements (e.g., if/else statements)

6. Structured Data

Provides more detail on common data structures supported by Java, including built-in arrays, as well as core classes in the Java Collections Framework, such as ArrayList and HashMap.

7. Classes and Interfaces

overs Java classes and interfaces, focusing on data types, fields, methods, generic parameters, and exceptions.

8. Inheritance

Explains the inheritance and its view towards android programming

9. Polymorphism

Examines Java's polymorphism features (e.g., extending classes and virtual methods).

10. Android Calculator App

Guides learners through the creation of an Android app that implements a simple calculator, which provides features for adding, subtracting, multiplying, and dividing numbers input by various means (e.g., via numbers and buttons on the Android user interface).

COURSE OBJECTIVES

This Specialization enables learners to successfully apply core Java programming languages features & software patterns needed to develop maintainable mobile apps comprised of core Android components, as well as fundamental Java I/O & persistence mechanisms.

Specifically, the course has the following objectives:

Students will learn

- 1. Understanding Core java
- 2. Understanding Android app.
- 3. Analyse and inherit java in android
- 4. Create Android programming with java.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT



CERTIFICATE COURSE ON CORE JAVA FOR ANDROID PROGRAMMING

Date of Introduction of the Course: 02.07.2015

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

<u>Time Table & Lesson plan</u>

CLASS	DATE	TOPIC
1	28-05-2015(FN)	1. Introduction of Core Java To learn and analyse Core java for android
2	29-05-2015 (FN)	2. Introduction to android studio Provides an overview of Android Studio, explaining how to install it and apply it to develop a simple app using basic Java and Android features presented in this MOO.
3,4	30-05-2015 (FN & AN)	3. MOOC Overview organization of the MOOC and the topics it covers. It then presents an overview of key features in the Java language, outlining its support for object-oriented programming concepts that guide the development of Android apps.
5	01-06-2015 (FN)	 4. Writing a Simple Android App Using Basic Java Features Explains how to write a simple Android app that defines variables using primitive Java data types
6	02-06-2015 (FN)	5. Control Flow Covers Java's looping constructs (e.g., for loops, while loops, and do/while loops), as well as its conditional statements (e.g., if/else statements)

03-06-2015 (FN)	6.Structured Data Provides more detail on common data structures supported by Java, including built-in arrays, as well as core classes in the Java Collections Framework, such as ArrayList and HashMap.
05-06-2015 (FN)	7. Classes and Interfaces Provide overs Java classes and interfaces, focusing on data types, fields, methods, generic parameters, and exceptions.
06-06-2015 (FN &AN)	8. Inheritance Explains the inheritance and its view towards android programming.
08-06-2015 (AN)	9. Polymorphism Examines Java's polymorphism features (e.g., extending classes and virtual methods).
09-06-2015 (FN)	10.Android Calculator App Guides learners through the creation of an Android app that implements a simple calculator, which provides features for adding, subtracting, multiplying, and dividing numbers input by various means (e.g., via numbers and buttons on the Android user interface).
	(FN) 05-06-2015 (FN) 06-06-2015 (FN &AN) 08-06-2015 (AN) 09-06-2015

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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INSTITUTE OF HIGHER EDUCATION AND RESEARCH (Declared as Deomed-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 4" July 2002) (Declared as Deemed-to loation No. F.9-5/2000 - U.3, Min

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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	B.Tech Computer Sc	ience and Engineering										
	Academic	year 2015-16										
	CORE JAVA FOR AND	DROID PROGRAMMING										
	DATE OF INTRODUCTION: 02.07.2015											
S. No	REG.NO	NAME OF THE CANDIDATE										
1	U15CS039	D N S HRUDAY BHARADWAJ										
2	U15CS040	DADAM CHAITHRA										
3	U15CS041	DEEPAK KUMAR SINGH										
4	U15CS042	DILLIGANESH V										
5	U15CS043	DIVAKAR M										
6	U15CS044	DIVYA VANI T										
7	U15CS045	DODDI PUJITHA										
8	U15CS046	DOOLIGANTI AKHIL REDDY										
9	U15CS047	DUPUGUNTLA BHANU SIVA KASINADH										
10	U15CS048	GANDLUR REDDY GREESHMA										
11	U15CS049	GANESH BAG										
12	U15CS050	GANGARAJU RAHUL										
13	U15CS051	GANGARAPU UKESH										
14	U15CS052	GANGU BHAGYA										
15	U15CS053	GLADSON J										
16	U15CS054	GOLI SUDEEP KRISHNA										
17	U15CS055	GOLLAPUDI KALYAN KUMAR										
18	U15CS056	GORRE THIRUPATHI REDDY										
19	U15CS057	GUJJETI MAHESH										
20	U15CS058	GUNDA VINAY KUMAR										
21	U15CS059	HANUMAN B										
22	U15CS060	HARI HARAN M										
23	U15CS061	HASTHI RUCHITHA										
24	U15CS062	HEMA NARAYANAN R										
25	U15CS063	INAPARTHI RAGHAVA										
26	U15CS064	INJE RAVI TEJA										
27	U15CS065	INNURU SWATHI										
28	U15CS066	JAGADEESH K										
29	U15CS067	JAGADEESWARA RAO JADDU										
30	U15CS068	JAICHAND KUMAR										
31	U15CS069	JANAKI RAMAN V										
32	U15CS070	JHA ABHISHEK AJAY										
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		Has adequate prior exposure to the prerequisites Yes											
		Had to pickup relevant additional topics through concurrent study											
	(iv)	Have no exposure to the background material											
4.	The exp	expectations for taking the course by the student are:											
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	(b)	Get exposed to a relevant subject											
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	(iv)	Have no exposure	to the bac	kground	material				NO			
l.	The expectations for taking the course by the student are:											
	(a)	Enhance by skill ba	ase in the	area of	specializatio	ns		YQ	3			
	(b)	Get exposed to a re	elevant su	bject								
	(c)	Curiosity						N	0			
	(d)	Better Employmen	t Opportu	inity				YO	S			
	(e)	Complete Course r	equireme	nts				40	.8			
	(f)	To Improve CGPA						40	S			
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2.	Comme	ent of the Subject				\checkmark						
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	cellent		B: Very						tory		

HEAD OF DEPARTMENT







CERTIFICATE OF PARTICIPATION

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



Ms. HEMA NARAYANAN

For actively participating in the value added course **"core java for Android Programming** "Conducted by School of Computing, BIHER

from 28-05-2015 to 09.06.2015

oordinator

Department Head of the

C. V. Director

CERTIFICATE COURSE ON CORE JAVA FOR ANDROID PROGRAMMING

Introduction of the Course: 02.07.2015



Course Coordinator

Head of the Department

For of the first f





Requisition letter

Date: 18.05.2015

From

Dr.Kaliyamurthy M.E.,PH.D, Professor & Head, Department of CSE, Bharath Institute of Higher Education and Research, Chennai. **To** Dean Engineering, Bharath Institute of Higher Education and Research, Chennai.

Respected Sir

Sub: Request of permission to conduct a value – added course on "IBM AI Enterprise workflow specialization"-Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course "**IBM AI enterprise workflow specialization**"-Reg in our campus premises on 28.05.2015, 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.

HÒD

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) Chonnal - 660 not 11014



DEAN ENGINEERING DEAN (Engineering) Bharath Institute of Science & Technolo BHARATH INSTITUTE OF HIGHER EDUCATION & Ri (Declared as Deemed to be University U/S 3 of UGC Actional Selaiyur, Chennal-600 073.



CIRCULAR

21.05.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of IBM AI Enterprise Workflow Specialization** for the benefit of students. This course is scheduled from 28.05.2015 to 09.06.2015 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	Da A. R. Arunachalam	Professor
2	Mas Cr. Kavitha	Assistant Professor

Head of Department

То

Copy to CSE

Copy to IT



CERTIFICATE COURSE ON IBM AI ENTERPRISE WORKFLOW SPECIALIZATION

Date of Introduction of the Course: 02.07.2015

COURSE SYLLABUS

1. IBM AI Enterprise Workflow Introduction

The goal of this first module is to introduce you to the overall specialization requirements, evaluate your understanding of some key prerequisite knowledge, and familiarize you with several process models commonly used.

2. Technical essentials for Al

Describe and explain the key terms in the field of artificial intelligence (Analytics, Data Science, Machine Learning, Deep Learning, Artificial Intelligence etc.)

3. Application of AI in business

Identify use cases where artificial intelligence solutions can address business opportunities. Demonstrate knowledge of scenarios for application of machine learning.

4. Data understanding techniques in AI.

Demonstrate knowledge of data collection practices. Explain characteristics of different data types.

5. Data Preparation technique in data science

Demonstrate expertise cleaning data and addressing data anomalies. Show knowledge of feature engineering and dimensionality reduction techniques.

6. Data Preparation technique in AI

Demonstrate mastery preparing and cleaning unstructured text data.

7. Application of data science and models

Explain machine learning algorithms and the theoretical basis behind them.

8. Application of AI techniques and models.

Demonstrate practical experience building machine learning models and using different machine learning algorithms.

9. Evaluation of AI models

Identify different evaluation metrics for machine learning algorithms and how to use them in the evaluation of model performance

10. Deployment of AI models

Demonstrate knowledge of requirements for model monitoring, management and maintenance. Identify IBM technology capabilities for building, deploying, and managing AI models.

11. Technical stack of Data science

Describe the differences between traditional programming and machine learning. Demonstrate foundational knowledge of using python as a tool for building AI solutions.

12. Technical stack of AI

Describe the differences between traditional programming and machine learning. Demonstrate foundational knowledge of using python as a tool for building AI solutions

COURSE OBJECTIVES

This six-course specialization is designed to prepare you to take the certification examination for IBM AI Enterprise Workflow Specialist. IBM AI Enterprise Workflow is a comprehensive, end-to-end process that enables data scientists to build AI solutions, starting with business priorities and working through to taking AI into production.

Specifically, the course has the following objectives:

Students will learn

- 1. The fundamental terms and concepts of design thinking.
- 2. The different types of fundamental Data Science
- 3. Thr general properties of common probability distributions.
- 4. Basic understanding of computer vision
- 5. Demonstrate basic understanding of IBM Watson AI services

COURSE COORDINATOR

HEAD OF THE DEPARTMENT



CERTIFICATE COURSE ON IBM AI ENTERPRISE WORKFLOW SPECIALIZATION

Date of Introduction of the Course: 02.07.2015

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

<u>Time Table & Lesson plan</u>

CLASS	DATE	TOPIC
CLIROD	22	1. IBM AI Enterprise Workflow Introduction
1	28-05-2015 (FN)	The goal of this first module is to introduce you to the overall specialization requirements, evaluate your understanding of some key prerequisite knowledge, and familiarize you with several process models commonly used today.
	29-01-2015	2. Technical essentials for AI
2	(FN)	Describe and explain the key terms in the field of artificial intelligence (Analytics, Data Science, Machine Learning, Deep Learning, Artificial Intelligence etc.)
		3. Application of AI in business
3,4	30-05-2015 (FN & AN)	Identify use cases where artificial intelligence solutions can address business opportunities. Demonstrate knowledge of scenarios for application of machine learning.
	01-06-2015	4. Data understanding techniques in AI.
5	(FN)	Demonstrate knowledge of data collection practices. Explain characteristics of different data types.
		5. Data Preparation technique in data science
6	02-06-2015 (FN)	Demonstrate expertise cleaning data and addressing data anomalies. Show knowledge of feature engineering and dimensionality reduction techniques.
	03-06-2015	7. Application of data science and models
7	(FN)	Explain machine learning algorithms and the theoretical basis behind them.

9	04-06-2015 (FN)	8. Application of AI techniques and models. Demonstrate practical experience building machine learning models and using different machine learning algorithms.
10	05-06-2015 (FN)	9. Evaluation of AI models Identify different evaluation metrics for machine learning algorithms and how to use them in the evaluation of model performance.
11	06-06-2015 (FN)	10. Deployment of AI models Demonstrate knowledge of requirements for model monitoring, management and maintenance. Identify IBM technology capabilities for building, deploying, and managing AI models.
12	08-0 6-2 015 (FN)	11. Technical stack of Data science Describe the differences between traditional programming and machine learning. Demonstrate foundational knowledge of using python as a tool for building AI solutions
13	09-0 ይ- 2015 (FN)	10. Technical stack of AI Describe the differences between traditional programming and machine learning. Demonstrate foundational knowledge of using python as a tool for building AI solutions

Kauthe

COURSE COORDINATOR

HEAD OF THE DEPARTMENT



arath

(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 4" July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B.Tech Computer Science and Engineering

Academic year 2015-16

IBM AI Enterprise Workflow Specialization

DATE OF INTRODUCTION:02.07.2015

S. No	REG.NO	NAME OF THE CANDIDATE
1	U15CS071	JOHN PARAM JYOTHI JYOTHULA
2	U15CS072	JOTHI R
3	U15CS073	K THULASIRAM
4	U15CS074	KADALI VINAY NARASIMHA
5	U15CS075	KADUMU MOUNIKA
6	U15CS076	KAIPU PRANAY REDDY
7	U15CS077	KALYANAM JASWANTH NAIDU
8	U15CS078	KAMBLE NIKHIL KUMAR
9	U15CS079	KANCHARLAPALLI LOKESHWAR RAO
10	U15CS080	KANCHUMARTHI BHUVANESWAR VINAY
11	U15CS081	KANCHUPATI JAGANMOHAN RAO
12	U15CS082	KANDI ASHOKA REDDY
13	U15CS083	KANDI MOUNIKA
14	U15CS084	KANDUKURI JESHWANTH
15	U15CS085	KANDULA SRINATH
16	U15CS086	KARAPAREDDY BHARGAVI
17	U15CS087	KARTHEESWARAN P
18	U15CS088	KARTHICK S
19	U15CS089	KARUTURI SREE RAM
20	U15CS090	KATTA NARENDRA
21	U15CS091	KHALYAN S N
22	U15CS092	KISHORE VENKAT
23	U15CS093	KM AYUSHI JAISWAL
24	U15CS094	KOLUKULURI ADITHYA RAGHAV VARMA
25	U15CS095	KONATALA PUSHPA
26	U15CS096	KONDURU PREM KUMAR
27	U15CS097	KONGARA KIRAN KUMAR
28	U15CS098	KOPPA SEKHAR SAI VISWAM
29	U15CS099	KOTHAPALLI ARYAN VARMA
30	U15CS100	KOTIPALLI SRI SAI SURYA PRASANTH

31	U15CS101	KOTNANI KRISHNA VAMSI
32	U15CS102	KRISHNA KUMAR YADAV
33	U15CS103	KUMMETA SAI VAMSI KRISHNA REDDY

COURSE COORDINATOR

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ourse	Number								
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	(i)	Have done part	of this course	e earlier			A	0	
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	(d)	Better Employ	ment Oppor	tunity				- t	to	
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3.		on for the cour							
		lave done part of					No		
				the prerequisites			NO		
				nal topics through	concurrent	study	Yes		
	(iv) I	Have no exposu	re to the backg	round material			NO		
4.	The expe	ctations for tak	ing the course	e by the student	are:				
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		Get exposed to a					- 405		
		Curiosity					Yes		
	(d)	Better Employm	ent Opportunit	ty			1	,	
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Abou	it the Instr	uctor: Informa	tion on the R	espondent: (Ticl	(√) Appro	priately)			
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3.	Clarity o	f expression			1/				
4.	Level of	preparation							
5.	Level of	interaction		V					
6.	Accessib	ility outside the	class	V					
7.	Others (J	please specify		V					
	Excellent	B: V	ery Good	C: Good		D: Satisfa	ctory	E: Poo	
A: F	xcellent			0.000		D. Gausia	L'unit	L; r00	r

HEAD OF THE DEPARTMENT





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







Mr. THULASIRAM

Workflow Specialization "Conducted by School of Computing, BIHER For actively participating in the value added course "IBM AI Enterprise from 28-05-2015 to 09.06.2015

Kavelae

Course Coordinator

Head of the Department

C. Kur Director

CERTIFICATE COURSE ON IBM AI ENTERPRISE WORKFLOW SPECIALIZATION

Introduction of the Course: 02.07.2015



Canul

Course Coordinator

Head of the Department



Requisition Letter

Date:03.08.2015

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 "Short term course on Fuzzy Sets And its Application "-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 "Short term course on Fuzzy Sets And its Application" in our campus premises on 11.08.2015, 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 UGU.co., 1910 Channai - 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

05.08.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on Short term course on Fuzzy Sets And its Application for the benefit of students. This course is scheduled from 11.08.2015 to 18.08.2015 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. Rayabhushanam	Professor
2	Mrs. C. Anwradha	Assistant Professor

Head of Department

То

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HEAD OF DEPARTMENT Department Of Computer Science & Engg., Charath Institute Of Higher Education & Research Declared as Decement to be University UIS 3 Of USC Act, 1956) Chennai - 600 073. INDIA



CERTIFICATE COURSE ON Short term course on Fuzzy Sets And its Application

Date of Introduction of the Course: 03.09.2015

COURSE SYLLABUS

1. Introduction and Fuzzy Sets Theory

Fuzzy set theory permits membership function valued

2. Membership Functions

Fuzzy sets theory is an extension of classical set theory

3. Set Theoretic Operations

The symbol U is employed to denote the union of two sets. Thus, the set A U B-read "A union B" or "the union.

4. Fuzzy Arithmetic

Explains the communication of statistical results correctly.

5. Fuzzy Relations

A fuzzy relation is the Cartesian product of mathematical fuzzy sets.

6. Fuzzy Inference Systems I

Fuzzy Inference System is the key unit of a fuzzy logic system having decision making as its primary work. It uses the "IF ... THEN" rules along with connectors ...

7. Fuzzy Inference Systems II

Fuzzy inference systems, input values are fuzzified by finding the corresponding degree of membership in both the UMFs and LMFs from the rule

8 Wang and Mendel Model

The Wang-Mendel (WM) modelling method is capable of extracting fuzzy rules from data directly without any prior knowledge

9. TSK Model

We propose to generalize TSK fuzzy model applying nonlinear functions in the rule consequences.

10. Fusiliers and Defuzzifiers

Fuzzification is the process of converting a clear input to a fuzzy value. It converts a clear point price of the process state variable

11 ANFIS Architecture

Inference system corresponds to a set of fuzzy IF-THEN rules that have learning capability to approximate nonlinear functions

12. Fuzzy Systems and Machine Learning

Fuzzy logic is used in Natural language processing and various intensive applications.

COURSE OBJECTIVES

To learn and analyse and visualize data in Understand the concept of fuzziness involved in various systems and fuzzy set theory. Specifically, the course has the following objectives:

Students will learn

- 1. Understanding Fuzzy Inference Systems I
- 2. Understanding Fuzzy Inference Systems II.
- 3. Fuzzy Relations
- 4. Create Set Theoretic Operations
- 5. Fuzzy logic system is capable of providing the most effective solution to complex issues
- 6. Fuzzy system helps in dealing engineering uncertainties.

C. Anweller. **COURSE COORDINATOR**

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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, 1950, Chennai - 600 073. INDIA



CERTIFICATE COURSE Short term course on Fuzzy Sets And its Application

Date of Introduction of the Course: 03.09.2015

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	11-08-2015(FN)	Introduction and Fuzzy Sets Theory Fuzzy set theory permits membership function valued
2	12-08-2015 (FN)	Membership Functions Fuzzy sets theory is an extension of classical set theory
3	12-08-2015 (FN)	Set Theoretic Operation The symbol \cup is employed to denote the union of two sets. Thus, the set A \cup B—read "A union B" or "the union.
4	13-08-2015 (FN)	Fuzzy Arithmetic Explains the communication of statistical results correctly.
5	13-08-2015 (FN)	Fuzzy Relations A fuzzy relation is the Cartesian product of mathematical fuzzy sets.
6	14-08-2015 (FN)	Fuzzy Inference Systems I Fuzzy Inference System is the key unit of a fuzzy logic system having decision making as its primary work. It uses the "IFTHEN" rules along with connectors
7,8	15-08-2015 (FN&AN)	Fuzzy Inference Systems II Fuzzy inference systems, input values are fuzzified by finding the corresponding degree of membership in both the UMFs and LMFs from the rule
9	17-08-2015 (FN)	Wang and Mendel Model The Wang-Mendel (WM) modelling method is capable of extracting fuzzy rules from data directly without any prior knowledge.
10	17-08-2015 (FN)	TSK Model Generalize TSK fuzzy model applying nonlinear functions in the rule consequences.

11	17-08-2015 (FN) 18-08-2015 (FN)	Fusiliers and Defuzzifiers Fuzzification is the process of converting a clear input to a fuzzy value. It converts a clear point price of the process state variable ANFIS Architecture Inference system corresponds to a set of fuzzy IF-
		THEN rules that have learning capability to approximate nonlinear functions
13	18-08-2015 (FN)	Fuzzy Systems and Machine Learning Fuzzy logic is used in Natural language processing and various intensive applications.

C. Anneadha. COURSE COORDINATOR

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Department Of Omputer Science & Engg., Bharath Institute Of Higher Education & Research (Doclared as Deemed to be University UIS ? Of USC Act, 1960) Chennal - 650, 372, 1801A





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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING Date of Introduction of the Course: 03.09.2015 B.Tech Computer Science and Engineering Introduction to Short term course on fuzzy Sets And its Applications NAME OF THE CANDIDATE **REG.NO** S. No CHANDRA KANT CHOUDHARY U15CS032 CHAPPIDI LAKSHMIKANTH REDDY 1 U15CS033 2 CHIDIPOTHU PRATHYUSHA CHINTAGINJALA VENKATA SRI SAI SRAVYA U15CS034 3 U15CS035 4 CHOWDHARY PRASANNA KUMAR CHUNDI VENKATA SESHASAI RAMANAPATANJALI U15CS036 5 U15CS037 6 CILLA SAI KISHORE U15CS038 7 D N S HRUDAY BHARADWAJ U15CS039 8 DADAM CHAITHRA U15CS040 9 DEEPAK KUMAR SINGH U15CS041 10 DILLIGANESH V U15CS042 11 DIVAKAR M U15CS043 12 DIVYA VANI T U15CS044 13 DODDI PUJITHA U15CS045 14 ARYAN SAHU U15CS015 DUPUGUNTLA BHANU SIVA KASINADH 15 U15CS047 16 GANDLUR REDDY GREESHMA U15CS048 17 GANESH BAG U15CS049 18 GANGARAJU RAHUL U15CS050 19 GANGARAPU UKESH U15CS051 20 GANGU BHAGYA U15CS052 21 GLADSON J U15CS053 22 GOLI SUDEEP KRISHNA U15CS054 GOLLAPUDI KALYAN KUMAR 23 U15CS055 GORRE THIRUPATHI REDDY 24 U15CS056 25 GUJJETI MAHESH U15CS057 26 GUNDA VINAY KUMAR U15CS058 27 HANUMAN B U15CS059 28 HARI HARAN M U15CS060 29 HASTHI RUCHITHA U15CS061 30 HEMA NARAYANAN R U15CS062 31 INAPARTHI RAGHAVA U15CS063 32 INJE RAVI TEJA U15CS064 33

34	U15CS238	VATHADI SWAMYVENKATESH	
35	U15CS239	AVINASH KUMAR	
36	U15CS240	YUGESH S	
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Course coordinator

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

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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, 1955) Chennai - 600 073. INDIA

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Acad	emic Yea	r	2015-20	16							
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	(iv)	Have no expos	sure to the back	ground materi	al			N			
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HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Declared as Deemed to be University US & GLUC COLL (201) Chennal - 600 C75, U, 201)

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Acad	lemic Year		2015-20	016							
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HEAD OF THE DEPARTMENT



<u>CERTIFICATE COURSE ON Short term course on Fuzzy Sets And its</u> <u>Application</u>

Introduction of the Course: 03.09.2015



C. Anwredha 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 UIS 3 of UGC Act, 1950) Channai - 600 070, NDIA





Requisition letter

Date: 1.08.2015

From

Dr.Kaliyamurthy 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 "Google Android Application Development Training"-Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course "Google Android Application Development Training" in our campus premises on 08.08.2015, 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





CIRCULAR

4.8.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Google Android Application Development Training** for the benefit of students. This course is scheduled from 08.08.2015 to 19.08.2015 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	Name of the Faculty	Designation
course. S.NO		<u> </u>
1-	Dr. C. Nalini	Professor
2.	Nes. Cr. Karitha	Assistant prefersor

Head of Department

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CERTIFICATE COURSE ON GOOGLE ANDROID APPLICATION DEVELOPMENT TRAINING

Date of Introduction of the Course: 12.09.2015

COURSE SYLLABUS

1. Creating Project Sunshine

To learn how to create and run a simple Android app, create simple layouts for Android, learn about the Android Studio IDE

2. Loading Data from the Internet

To connect to the Internet and communicate with web APIs, learn about threading and how to make requests without slowing down your app, learn how to add menus to your app

3. Recycler View

To learn about the components that convert a list of data into visual UI elements

4. Intents

To learn the difference between Explicit and Implicit Intents, learn how to navigate inside your apps using intents. To learn how to create Intents that apps outside your control can respond.

5. The Application Lifecycle

To understand the phases of the Android application lifecycle, learn how to persist data between orientation and other changes

6. Preferences

To allow users to customize some aspects of your app Consider when to omit or add a preference

7. Content Providers

To learn how Content Providers provide an interface to share data, consume data from an already existing Content Provider.

8. Android Architecture Components

To learn how to use Room, LiveData, ViewModel and Lifecycle components, understand how architecture components can help you build robust and efficient apps

9. Background Tasks

To run jobs in the background of an app and create notifications and schedule long-running background processes

10. Completing the UI

To build a well-organized, accessible UI for your app, try different layouts, views, viewgroups, and methods of databinding, design your UI for users who speak different languages

11. Polishing the UI

To add visual polish to your apps with different layouts, fonts, and colors, use design principles to create apps that look great across multiple form factors

COURSE OBJECTIVES

This course blends theory and practice to help you build great apps the right way. In this course, you'll work with instructors step-by-step to build a cloud-connected Android app, and learn best practices of mobile development, and Android development in particular.

Specifically, the course has the following objectives:

Students will learn

- 1. Understanding data loading.
- 2. Understanding Recycler view.
- 3. Analyse and visualize data in application life cycle.
- 4. Create reproducible data analysis reports.
- 5. Run jobs in the background of an app.
- 6. Create apps that look great across multiple form factors.

SE COORDINATOR

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT Department of Computer Scie Bharath Institute of Higher Education ((Declared as Deemed to be the versity this 3 of the Chempai-600 073, INDIA



CERTIFICATE COURSE ON GOOGLE ANDROID APPLICATION DEVELOPMENT TRAINING

Date of Introduction of the Course: 12.09.2015

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

<u>Time Table & Lesson plan</u>

CLASS	DATE	TOPIC
	DATE	1. Creating Project Sunshine
1	08-08-2015(FN)	To learn how to create and run a simple Android app,
		create simple layouts for Android, learn about the
		Android Studio IDE
2	10-08-2015 (FN)	2. Loading Data from the Internet
2		To connect to the Internet and communicate with web
		APIs, learn about threading and how to make requests
	4	without slowing down your app, learn how to add menus
		to your app
3	10-08-2015 (FN)	3. Recycler View To learn about the components that convert a list of data
		into visual UI elements
4, 5	11-08-2015 (FN	4. Intents To learn the difference between Explicit and Implicit
	& AN)	Intents, learn how to navigate inside your apps using
		intents.
6	12-08-2015 (FN)	5. Intents
U U		To learn how to create Intents that apps outside your
		control can respond.
7	13-08-2015 (FN)	6. The Application Lifecycle
		To understand the phases of the Android application lifecycle, learn how to persist data between orientation
		and other changes
8	14-08-2015 (FN)	7. Preferences
		To allow users to customize some aspects of your app
		Consider when to omit or add a preference
9	15-08-2015 (FN)	8. Content Providers
		To learn how Content Providers provide an interface to
		share data, consume data from an already existing Content Provider.
10	17-08-2015 (AN)	9. Android Architecture Components
1		To learn how to use Room, LiveData, ViewModel and
		Lifecycle components, understand how architecture
		components can help you build robust and efficient anns
11, 12	18-08-2015 (FN)	10. Background Tasks
L	L	To run jobs in the background of an app

13	18-08-2015 (AN)	Create notifications and schedule long-running background processes 11. Completing the UI To build a well-organized, accessible UI for your app, try different layouts, views, viewgroups, and methods of databinding, design your UI for users who speak different
14	19-08-2015 (FN)	languages 12. Polishing the UI To add visual polish to your apps with different layouts, fonts, and colors, use design principles to create apps that look great across multiple form factors

(Kati COURSE COORDINATOR

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Contraction 3 of UGC Act, 1950 (Vide Natification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Gort. of India, dated 4" July 2002)

	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING						
	Date of Introduction of the Course: 12.09.2015						
	B.Tech Computer Science and Engineering						
	Goo	gle Android Application Development Training					
S. No	S. No REG.NO NAME OF THE CANDIDATE						
1	U15CS001	ABHIJEET KUMAR					
2	U15CS002	ABHIJIT KUMAR GUPTA					
3	U15CS003	ABHISHEK KUMAR SINGH					
4	U15CS004	ALLU SAI SIVA PRIYANKA NAIDU					
5	U15CS005	AMBIKE KUMAR SINGH					
6	U15CS006	ANBUMANI S					
7	U15CS007	ANJAR ALI					
8	U15CS008	ANKAM MANJUNATH					
9	U15CS009	ANNADI DHANUSH					
10	U15CS010	ANNAVARAPU DIVYA					
11	U15CS011	ANUMOLU YESWANTH					
12	U15CS012	ARAVAPALLI SIVA VINAYA					
13	U15CS013	ARAVINDHAN K R					
14	U15CS014	ARVIND KUMAR YADAV					
15	U15CS015	ARYAN SAHU					
16	U15CS016	ASHISH AGARWAL					
17	U15CS017	ASHISH RANJAN					
18	U15CS018	ATTANTI RAVIKANTH					
19	U15CS019	BANAVATH SUNIL NAIK					
20	U15CS020	BANDARU RAMESH					
21	U15CS021	BATTA SIVA PRASAD					
22	U15CS022	BHARATH K					
23	U15CS023	BHARATHI V					
24	U15CS024	BIKKI KUMAR SHA					
25	U15CS025	BINGEWAR SAISHARAN					
26	U15CS026	BIRADAVOLU SUCHARITHA					
27	U15CS027	BODA AKHIL WESLEY					
28	U15CS028	BONALA SRIDHAR RAO					
29	U15CS029	BRYAN STEVE PUSHPARAJ I					
30	U15CS030	CHAKKA KSHITHIJA					
31	U15CS031	CHAMARTHI LAKSHMI NARAYANA AVINASH					
32	U15CS032	CHANDRA KANT CHOUDHARY					
33	U15CS033	CHAPPIDI LAKSHMIKANTH REDDY					

34	U15CS034	CHIDIPOTHU PRATHYUSHA
35	U15CS035	CHINTAGINJALA VENKATA SRI SAI SRAVYA
36	U15CS036	CHOWDHARY PRASANNA KUMAR
37	U15CS037	CHUNDI VENKATA SESHASAI RAMANAPATANJALI
38	U15CS038	CILLA SAI KISHORE
39	U15CS039	D N S HRUDAY BHARADWAJ
40	U15CS040	DADAM CHAITHRA
41	U15CS041	DEEPAK KUMAR SINGH
42	U15CS042	DILLIGANESH V
43	U15CS043	DIVAKAR M
44	U15CS044	DIVYA VANI T
45	U15CS045	DODDI PUJITHA
46	U15CS046	DOOLIGANTI AKHIL REDDY
47	U15CS047	DUPUGUNTLA BHANU SIVA KASINADH
48	U15CS048	GANDLUR REDDY GREESHMA
49	U15CS049	GANESH BAG
50	U15CS050	GANGARAJU RAHUL
51	U15CS051	GANGARAPU UKESH
52	U15CS052	GANGU BHAGYA
53	U15CS053	GLADSON J
54	U15CS054	GOLI SUDEEP KRISHNA
55	U15CS055	GOLLAPUDI KALYAN KUMAR
56	U15CS056	GORRE THIRUPATHI REDDY
57	U15CS057	GUJJETI MAHESH

CODRSE COORDINATOR

Head of the Department

HEAD OF DEPARTMENT Demonstration Computer Scient Cherefords and the First for the Education Cherefords and the Science of the

Academic Year	2015 - 2016						
Term							
Course Number							
Course Title	Google Andr	oid Applica	tion Develo	opment Train	ing		
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About the instructor information		A	B	C	D		E
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3. Clarity of expression							
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HEAD OF THE DEPARTMENT

Academi	c Year		2015 -	2016						
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Course T	itle		Goog	le Android A	pplication	Deve	lopment Train	ning		
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(iii	i) H	ad to pickup r	elevant addi	tional topics t	hrough con	current	study	yes		
(iv	/) H	ave no exposu	re to the bac	kground mate	erial		L	por.		
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	The expectations for taking the course by the student are: (a) Enhance by skill base in the area of specializations									
(a)		•			alizations		, L	ys		
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Mr. GANESH BAG

Application Development Training"Conducted by School of Computing, For actively participating in the value added course "Google Android BIHER from 08-08-2015 to 19.08.2015

Course Coordinator

Head of the Department

Director

<u>CERTIFICATE COURSE ON GOOGLE ANDROID APPLICATION</u> <u>DEVELOPMENT TRAINING</u>

Introduction of the Course: 12.09.2015



Course Coordinator

Head of the Department



Requisition letter

Date: 3.08.2015

From

Dr.Kaliyamurthy M.E., PH.D,

Professor & Head,

Department of CSE,

Bharath Institute of Higher Education and Research,

Chennai.

То

Pro.VC Academics,

Bharath Institute of Higher Education and Research,

Chennai.

Respected Sir

Sub: Request of permission to conduct a value – added course on "Introduction to Microsoft-Cloud Application"-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 Microsoft-Cloud Application" in our campus premises on 10.08.2015, 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.

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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 - 500 073, INDIA



DEAN (Engineering) Bharath Institute of Science & Technology BHARATH INSTITUTE OF HIGHER EDUCATION & Toto, and (Declared as Deemed to be University UKS 3 of the Act, 1999) Selaiyur, Cherinai-odu 073.



CIRCULAR

7.08.2015

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 Microsoft-Cloud Application** for the benefit of students. This course is scheduled from 10.08.2015 to 21.08.2015 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. Rajabhushanan	Professor.
2.	Hy. R-Selichars	Sul-Asst pred

Head of Department

HEAD OF DEPARTMENT Department of Computer Sciu Bhorath Institute of Higher Educate (Declared to Ducate Bernard 1999) Chemp. 16000 0000, Junear

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CERTIFICATE COURSE ON INTRODUCTION TO MICROSOFT-CLOUD APPLICATION

Date of Introduction of the Course: 12.09.2015

COURSE SYLLABUS

1. Introduction to Microsoft Cloud Services

Describe and understand the types of Cloud Infrastructure and Types of Cloud Services. Compare Private, Public and Hybrid cloud deployments and scenarios. Understand how to evaluate products based on their type of service, IaaS, PaaS and SaaS.

2. Understanding Cloud Systems

Explain how to look at cloud systems and analyze how they can be used to benefit an organization. Understand common analogies used to describe Cloud systems. Describe the Cloud housing model.

3. Utilizing Cloud Systems

Compare On-Premieis and Cloud models. Compare Cloud adoption by industry. Describe the advantage Clouds systems have with connecting to and configuring mobile devices.

4. Cloud Infrastructure Technologies

Describe the key features, of LDAP and why they are important. Understand what X.500 systems are and how they relate to Active Directory and Cloud systems. Describe X.509 certificate services and now PKI is used with Directories and Cloud services for Authentication and Encryption.

5. Cloud Infrastructure Technologies

Understand why SSO is important and to be able to distinguish between Same and Single Sign On.

Describe the common Microsoft implementations of Same and Single Sign On.

6. Control of Data and Continuity of Services

Describe the key features, of a Service Level Agreement for typical Cloud systems.

Understand the meaning of 99.9% uptime and how it relates to an SLA.

Describe how Change Management is often very different in the Cloud then On-Premises.

7. Security & Privacy Considerations

Describe security concerns and mitigations in cloud systems.

Understand how regulatory compliance and auditing is handled in a cloud environment.

Answer critical questions about long term systems management and viability.

8. Comprehension of Cloud Applications

Show a firm understanding and comprehension of the principle topics of this course.

9. PKI Fundamentals

Describe the key features, and functions of PKI.

Understand the importance of underlying cloud technologies.

Describe how PKI Authentication, Encryption and Digital Signing works.

10. Understanding Cloud Authentication and Authorization

Describe the key features used in traditional systems and how new claims biased systems have an advantage in the cloud.

11. Azure Availability Evaluation

Evaluate Microsoft Azure Cloud Services

12. Office 365 Simulation Walkthrough

Describe the key features for evaluating Microsoft Azure availability. Perform walkthrough of Office 365 management environments.

COURSE OBJECTIVES

This course is intended for both novice and experienced IT professionals and managers of IT professionals who have basic Windows navigation skills and want to get started using cloud resources and products.

Specifically, the course has the following objectives:

Students will learn

- 1. Describe and understand the types of Cloud Infrastructure and Types of Cloud Services.
- 2. Understand how to utilize Cloud systems.
- 3. Describe Cloud infrastructure technologies such as LDAP, X.500, E.509 and SSO in Microsoft environments.
- 4. Understand SLA agreements and change management in the cloud.
- 5. Describe security and Privacy considerations, Privileged User Access, Regulatory Compliance,
- 6. Investigative Support, Data Segregation, Recovery, Long-Term Viability and Transfer of Data.
- 7. Understand the fundamentals of PKI and Digital Signing.
- 8. Describe Cloud authentication and Authorization techniques.
- 9. Understand the roles of Microsoft Azure, Office 365, One Drive and InTune.

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COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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CERTIFICATE COURSE ON INTRODUCTION TO MICROSOFT-CLOUD APPLICATION

Date of Introduction of the Course: 12.09.2015

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	10-08-2015(FN)	1. Introduction to Microsoft Cloud Services Describe and understand the types of Cloud Infrastructure and Types of Cloud Services. Compare Private, Public and Hybrid cloud deployments and scenarios. Understand how to evaluate products based on their type of service, IaaS, PaaS and SaaS.
2	11-08-2015 (FN)	2. Understanding Cloud Systems Explain how to look at cloud systems and analyze how they can be used to benefit an organization. Understand common analogies used to describe Cloud systems. Describe the Cloud housing model.
3	12-08-2015 (FN)	3. Utilizing Cloud Systems Compare On-Premieis and Cloud models. Compare Cloud adoption by industry. Describe the advantage Clouds systems have with connecting to and configuring mobile devices.
4, 5	13-08-2015 (FN & AN)	4. Cloud Infrastructure Technologies Describe the key features, of LDAP and why they are important. Understand what X.500 systems are and how they relate to Active Directory and Cloud systems. Describe X.509 certificate services and now PKI is used with Directories and Cloud services for Authentication and Encryption.
6	14-08-2015 (FN)	5. Cloud Infrastructure Technologies Understand why SSO is important and to be able to distinguish between Same and Single Sign On. Describe the common Microsoft implementations of Same and Single Sign On.
7	15-08-2015 (FN)	 6. Control of Data and Continuity of Services Describe the key features, of a Service Level Agreement for typical Cloud systems. Understand the meaning of 99.9% uptime and how it relates to an SLA. Describe how Change Management is often very different in the Cloud then On-Premises.
8	17-08-2015 (FN)	7. Security & Privacy Considerations Describe security concerns and mitigations in cloud

9	18-08-2015 (FN)	 systems. Understand how regulatory compliance and auditing is handled in a cloud environment. Answer critical questions about long term systems management and viability. 8. Comprehension of Cloud Applications Show a firm understanding and comprehension of the principle topics of this course.
10	19-08-2015 (FN)	9. PKI Fundamentals Describe the key features, and functions of PKI. Understand the importance of underlying cloud technologies. Describe how PKI Authentication, Encryption and Digital Signing works.
11	20-08-2015 (FN)	10. Understanding Cloud Authentication and Authorization Describe the key features used in traditional systems and how new claims biased systems have an advantage in the cloud.
12	20-08-2015 (AN)	11. Azure Availability Evaluation Evaluate Microsoft Azure Cloud Services
13	21-08-2015 (FN)	12. Office 365 Simulation Walkthrough Describe the key features for evaluating Microsoft Azure availability. Perform walkthrough of Office 365 management environments.

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COURSE COORDINATOR

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Department of Annual Sectors Cluster the Bharath Institute of an annual Sector Sector (Declared as Diring Cluster Sector Cluster Sector





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	DEPART	MENT OF COMPUTER SCIENCE AND ENGINEERING
	Da	ate of Introduction of the Course: 12.09.2015
		B.Tech Computer Science and Engineering
	I	ntroduction to Microsoft-Cloud Application
S. No	REG.NO	NAME OF THE CANDIDATE
1	U15CS204	SUBHAM RAY
2	U15CS205	SUDALAGUNTA GOPI KRISHNA
3	U15CS206	SUJEETH KUMAR K
4	U15CS207	SWARNA LAKSHMI PRIYANKA
5	U15CS208	TAGORE S
6	U15CS209	TAKKELLA AJITH CHOWDARY
7	U15CS210	TANGELLAPALLY KRANTHIKUMAR CHARY
8	U15CS211	THARUN PRANAV K S
9	U15CS212	UTTAM KUMAR
10	U15CS213	VADLAMUDI HARISH KUMAR
11	U15CS214	VEERELLA RUPAS CHOWDARY
12	U15CS215	VEESA SUDEEP
13	U15CS216	YENISETTY ARUN SAHADEV
14	U15CS217	VERISETTY SUBBARAO
15	U15CS218	VETCHA VENKATA KRISHNA TEJA
16	U15CS219	VIGNESH B
17	U15CS220	VIGNESH KUMAR R J
18	U15CS221	VIGNESWARAN M
19	U15CS222	VIJAYARAJ V
20	U15CS223	VIKAS BHARTI
21	U15CS224	VIKASH YADAV
22	U15CS225	VINOTHKUMAR J
23	U15CS226	VUNDAVELLI VEERAVENKATA SATYANARAYANA
24	U15CS227	VUPPALA SUJITH
25	U15CS228	YADIKI VEMANA BUJJI
26	U15CS230	THORAM RAVI CHANDU
27	U15CS231	BHARATHI RAJA R
28	U15CS232	NIKITA SHARMA
29	U15CS233	KARAN PRINCY P
30	U15CS234	DUVVURU SUNEESH KUMAR
31	U15CS235	ASHWIN VISHAL A
32	U15CS236	MALKANNAGARI HARSHAVARDHAN REDDY
33	U15CS237	BUDDI VAMSI

34	U15CS238	VATHADI SWAMYVENKATESH	
35	U15CS239	AVINASH KUMAR	
36	U15CS240	YUGESH S	
			A

COURSE COORDINATOR.

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Head of the Department

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HEAD OF THE DEPARTMENT

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Acad	emic Year	ſ	2015 - 20	16					
Term									
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Cour	se Title		Introduct	tion to Micro	soft-Cloud A	nlication			
Num	ber of Cre	dits				opiloation			
Туре	of Course	Regular		Elect	ive		Add-on		
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	(c)	Curiosity					in		
	(d)	Better Employmen	t Opportuni	itv		no			
	(e)	Complete Course r				- Yrs			
	(f)	To Improve CGPA	-			no			
Abo		tructor: Informatio		espondent. (T	lick () Appro	yy	•		
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A: F	xcellent	B: Very	y Good	C: Goo	d /	Di Catta			
				0.000	_ /	D: Satisfac	tory	E: Poo	r

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Mr. VIGNESH B

Microsoft-Cloud Application"Conducted by School of Computing, BIHER For actively participating in the value added course "Introduction to from 10-08-2015 to 21.08.2015

Course Coordinator Sound

Director

Head of the Department

CERTIFICATE COURSE ON INTRODUCTION TO MICROSOFT-CLOUD APPLICATION

Introduction of the Course: 12.09.2015



Course Coordinator

Head of the Department

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Requisition Letter

Date: 05.08.2015

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" Learn the basics of HTML" -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 "Learn the basics of HTML" in our campus premises on 10.08.2015, 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.

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HEAD OF DEPARTICENT 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 & RESEAR(H (Declared as Deemed to be University U/S 3 of UGC Act. 1956) Selaiyur, Chennai-600 073.



CIRCULAR

07.08.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Learn the basics of HTML** for the benefit of students. This course is scheduled from 10.08.2015 to 21.08.2015 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. Naline	Professor
2	How on Kavilha	Assistant Professor

Head of Department

То

Copy to CSE

Copy to IT

HEAD OF DEPARTMENT Department Of Computer Science 3, Forg., Bharath Institute Of Higher Education (Deciared as Deemed to be University U/D - stroct science) Chennai - 600 073, INDIA



CERTIFICATE COURSE ON LEARN THE BASICS OF HTML

Date of Introduction of the Course: 12.09.2015

COURSE SYLLABUS

1: Web Programming Introduction

Architecture of a website, Different technologies in making the website, Web Development Introduction

2: HTML-Introduction

History of HTML, What you need to do to get going and make your first HTML page, What are HTML Tags and Attributes?, HTML Tag vs. Element, HTML Attributes

3: HTML-Basic Formatting Tags

HTML Basic Tags, HTML Formatting Tags, HTML Color Coding

4: HTML-Grouping Using Div Span

Div and Span Tags for Grouping

5: HTML-Lists

Unordered Lists, Ordered Lists, Definition list

6: HTML-Images

Image and Image Mapping

7: HTML-Hyperlink

URL - Uniform Resource Locator, URL Encoding

8: HTML-Table

, , , , < caption >, < thead >, , < tfoot >, < colgroup >, < col >

9: HTML-Iframe

Using Iframe as the Target

10: HTML-Form

< input >, < textarea >, < button >, < select >, < label >

11: HTML-Headers

Title, Base, Link, Styles, Script, Meta

12: HTML-Miscellaneous

HTML Meta Tag, XHTML, HTML Deprecated Tags & Attributes

COURSE OBJECTIVES

To learn the basics of HTML that describes the structure of a Website semantically along with presentation cues, making it a mark-up language, rather than a programming language. HTML allows images and objects to be embedded and can be used to create interactive forms.

Specifically, the course has the following objectives:

Students will learn

- Insert a graphic within a web page.
- Create a link within a web page.
- Create a table within a web page.
- Insert heading levels within a web page.
- Insert ordered and unordered lists within a web page.
- Use cascading style sheets.
- Create a web page.
- Validate a web page.
- Publish a web page.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT Department of Computer Science & Engo. Bharath Institute Of Higher Education & Research (Declared as Decrimed to be University UIS-OI UGC Act, 1 Chennai - 600 073, INDA:



CERTIFICATE COURSE ON LEARN THE BASICS OF HTML

Date of Introduction of the Course: 12.09.2015

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

<u>Time Table & Lesson plan</u>

CLASS	DATE	TOPIC
1	10-08-2015(FN)	1: Web Programming Introduction
		Architecture of a website, Different technologies in making the website, Web Development Introduction
2	11-08-2015 (FN)	2: HTML-Introduction
		History of HTML, What you need to do to get going and make your first HTML page, What are HTML Tags and Attributes?, HTML Tag vs. Element, HTML Attributes
3	12-08-2015 (FN)	3: HTML-Basic Formatting Tags
		HTML Basic Tags, HTML Formatting Tags, HTML Color Coding
4	13-08-2015 (FN)	4: HTML-Grouping Using Div Span
		Div and Span Tags for Grouping
5,6	14-08-2015 (FN)	5: HTML-Lists
		Unordered Lists, Ordered Lists, Definition list
		6: HTML-Images
		Image and Image Mapping
7	15-08-2015 (FN & AN)	. 7: HTML-Hyperlink
		URL - Uniform Resource Locator, URL Encoding
8	17-08-2015 (FN)	8: HTML-Table
		,,,,< caption >,< thead >, .< tfoot >,< colgroup >,< col >

9	18-08-2015 (FN)	A TITNE IS AND
		9: HTML-Iframe
		Using Iframe as the Target
10	19-08-2015 (FN)	
		10: HTML-Form
		< input >, < textarea >, < button >, < select >, < label >
11	20-08-2015 (FN)	
		11: HTML-Headers
		Title, Base, Link, Styles, Script, Meta
12	21-08-2015 (FN)	
		12: HTML-Miscellaneous
		HTML Meta Tag, XHTML, HTML Deprecated Tags & Attributes

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COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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

Acad	emic Year		2015-20	016							
Term											
	se Number	•									
	se Title		learn th	e basics of	HTML						
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	(i)	Has adequate pri			requisites		A				
	(iii)	Had to pickup re	-			concurrent	study	yes			-
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	(c)	Curiosity					Ya	1.00			
	(d)	Better Employm	ent Opport	unity y							
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Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Deckared as Deemed to be University U/S 3 Of UGC Act, 1958 Chennai - 600 073, INDIA

Acad	lemic Yea	Ir	2015-20	016							
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	0-2	2-	•			0-0			4		
3.	Prepar	ation for the course	by the stu	udent:							
	(i)	Have done part of t	his course	earlier		no					
	(ii)	Has adequate prior	exposure	to the prerequis	sites	no					
	(iii)	-									
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a											
4.	The exp	pectations for takin	g the cour	se by the stud	ent are:						
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	(b)	Get exposed to a relevant subject									
	(c)	Curiosity		portunity yes							
	(d)	Better Employmen	t Opportur								
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	(f)	To Improve CGPA				yes					
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5.	Level o	finteraction			(
6.	Accessi	Accessibility outside the class			-						
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A: E											

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

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	(ii)		is adequate prior exposure to the prerequisites								
	(iii)	Had to pickup relevant additional topics through concurrent study									
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	(c)	Curiosity					yes_				
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HEAD OF DEPARTMENT Department Of Computer Science & Engo., Eharath Institute Of Higher Education & Research (Declared as Deemed to be University U/S & Of UGC Act, 1950) Chennal - 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, 1958) (Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4" July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Academic Year 2015-16

Learn the basics of HTML

B.Tech Computer Science and Engineering

STUDENT NAME LIST

S. No	REG.NO	NAME OF THE CANDIDATE
1	U15CS051	GANGARAPU UKESH
2	U15CS052	GANGU BHAGYA
3	U15CS053	GLADSON J
4	U15CS054	GOLI SUDEEP KRISHNA
5	U15CS055	GOLLAPUDI KALYAN KUMAR
6	U15CS056	GORRE THIRUPATHI REDDY
7	U15CS057	GUJJETI MAHESH
8	U15CS058	GUNDA VINAY KUMAR
9	U15CS059	HANUMAN B
10	U15CS060	HARI HARAN M
11	U15CS061	HASTHI RUCHITHA
12	U15CS062	HEMA NARAYANAN R
13	U15CS063	INAPARTHI RAGHAVA
14	U15CS064	INJE RAVI TEJA
15	U15CS065	INNURU SWATHI
16	U15CS066	JAGADEESH K
17	U15CS067	JAGADEESWARA RAO JADDU
18	U15CS068	JAICHAND KUMAR
19	U15CS069	JANAKI RAMAN V
20	U15CS070	JHA ABHISHEK AJAY
21	U15CS071	JOHN PARAM JYOTHI JYOTHULA
22	U15CS072	JOTHI R
23	U15CS073	K THULASIRAM
24	U15CS074	KADALI VINAY NARASIMHA
25	U15CS075	KADUMU MOUNIKA
26	U15CS076	KAIPU PRANAY REDDY
27	U15CS077	KALYANAM JASWANTH NAIDU
28	U15CS078	KAMBLE NIKHIL KUMAR
29	U15CS079	KANCHARLAPALLI LOKESHWAR RAO
30	U15CS080	KANCHUMARTHI BHUVANESWAR VINAY

U15CS082	KANDI ASHOKA REDDY	
U15CS083	KANDI MOUNIKA	
U15CS084	KANDUKURI JESHWANTH	
U15CS085	KANDULA SRINATH	
U15CS086	KARAPAREDDY BHARGAVI	
U15CS087	KARTHEESWARAN P	
U15CS088	KARTHICK S	
U15CS089	KARUTURI SREE RAM	
U15CS090	KATTA NARENDRA	
U15CS091	KHALYAN S N	
U15CS092	KISHORE VENKAT	
U15CS093	KM AYUSHI JAISWAL	
U15CS094	KOLUKULURI ADITHYA RAGHAV VARMA	
U15CS095	KONATALA PUSHPA	
U15CS096	KONDURU PREM KUMAR	
U15CS097	KONGARA KIRAN KUMAR	
U15CS098	KOPPA SEKHAR SAI VISWAM	
	U15CS084 U15CS085 U15CS086 U15CS087 U15CS089 U15CS099 U15CS090 U15CS091 U15CS092 U15CS093 U15CS094 U15CS095 U15CS096 U15CS097	U15CS084KANDUKURI JESHWANTHU15CS085KANDULA SRINATHU15CS086KARAPAREDDY BHARGAVIU15CS087KARTHEESWARAN PU15CS088KARTHICK SU15CS089KARUTURI SREE RAMU15CS090KATTA NARENDRAU15CS091KHALYAN S NU15CS092KISHORE VENKATU15CS093KM AYUSHI JAISWALU15CS094KOLUKULURI ADITHYA RAGHAV VARMAU15CS095KONATALA PUSHPAU15CS097KONGARA KIRAN KUMAR

Q g

COURSE COORDINATOR

HOD

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



CERTIFICATE OF PARTICIPATION



MR. KANDI ASHOKA REDDY

For actively participating in the value added course " Learn the basics of HTML " Conducted by School of Computing, BIHER from 10-08-2015 to 21.08.2015



Course Coordinator



CERTIFICATE COURSE ON LEARN THE BASICS OF HTML

Introduction of the Course: 12.09.2015



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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, 1966) Chennai - 600 073. INDIA



lalyur, Chennal , T.N - 600 073. No.173, Asharam Road, S

Requisition Letter

Date: 05.08.2015

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" HAND ON TRAINING "IOT"" -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 "HAND ON TRAINING "IOT"" in our campus premises on 10.08.2015, 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 & Ensa Bharath Institute Of Higher Education & resolution (Declared as Deemed to be University (45.3 C) UP Chennal - 600 073, 10004



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

07.08.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Hand on Training** "IOT" for the benefit of students. This course is scheduled from 10.08.2015 to 21.08.2015 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. R Karthi keyas	Professor
2	Ms Snidbar R	Assistant Professor

Head of Department

HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Responsib (Doclared as Deemed to be University U/S 3 Of UC 9 Aur. 1955) Chennal - 600 073 (MOD)

То

Copy to CSE

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CERTIFICATE COURSE ON STATISTICS WITH HAND ON TRAINING "IOT"

Date of Introduction of the Course: 12.09.2015

COURSE SYLLABUS

1.Introduction to IOT

Understanding IoT fundamentals, IOT Architecture and protocols, Various Platforms for IoT

2.Real time Examples of IoT

Overview of IoT components and IoT Communication Technologies, Challenges in IOT

3. Arduino Simulation Environment

Arduino Uno Architecture, Setup the IDE, Writing Arduino Software

4. Arduino Libraries

Basics of Embedded C programming for Arduino, Interfacing LED, push button and buzzer with Arduino, Interfacing Arduino with LCD

5. Sensor & Actuators with Arduino

Overview of Sensors working, Analog and Digital Sensors

6. Interfacing of Temperature, Humidity, Motion, Light and Gas Sensor with Arduino

Interfacing of Actuators with Arduino, Interfacing of Relay Switch and Servo Motor with Arduino

7. Basic Networking with ESP8266 WiFi module

Basics of Wireless Networking, Introduction to ESP8266 Wi-Fi Module

8. Various Wi-Fi library

Web server- introduction, installation, configuration, Posting sensor(s) data to web server NIELIT DELHI Page

9. IoT Protocols • M2M vs. IOT

Communication Protocols 6. Cloud Platforms for IOT, Virtualization concepts and Cloud Architecture

10. Cloud computing, benefits

Cloud services -- SaaS, PaaS, IaaS, Cloud providers & offerings

11.Study of IOT Cloud platforms

ThingSpeak API and MQTT

12.Interfacing ESP8266 with Web services

Brief note on Interfacing ESP8266 with Web services

COURSE OBJECTIVES

This Course focuses on hands-on IoT concepts such as sensing, actuation and communication. It covers the development of Internet of Things (IoT) prototypes—including devices for sensing, actuation, processing, and communication—to help you develop skills and experiences. The Internet of Things (IOT) is the next wave, world is going to witness.

Specifically, the course has the following objectives:

Students will learn

- 1. Describe what IoT is and how it works today
- 2. Recognise the factors that contributed to the emergence of IoT
- 3. Design and program IoT devices
- 4. Use real IoT protocols for communication
- 5. Secure the elements of an IoT device
- 6. Design an IoT device to work with a Cloud Computing infrastructure.
- 7. Transfer IoT data to the cloud and in between cloud providers
- 8. Define the infrastructure for supporting IoT deployments

Hor **RSE 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 AL, SCO Chennal - 600 073, INDIA



CERTIFICATE COURSE ON HAND ON TRAINING "IOT"

Date of Introduction of the Course: 12.09.2015

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

<u> Time Table & Lesson plan</u>

CLASS	DATE	TOPIC
1		1.Introduction to IOT
	10-08-2015(FN)	Understanding IoT fundamentals, IOT Architecture and protocols, Various Platforms for IoT
2	11-08-2015 (FN)	2.Real time Examples of IoT
		Overview of IoT components and IoT Communication Technologies, Challenges in IOT
3	12-08-2015 (FN)	3. Arduino Simulation Environment
		Arduino Uno Architecture, Setup the IDE, Writing Arduino Software
4	13-08-2015 (FN)	4. Arduino Libraries
		Basics of Embedded C programming for Arduino, Interfacing LED, push button and buzzer with Arduino, Interfacing Arduino with LCD
5	14-08-2015 (FN)	5. Sensor & Actuators with Arduino
		Overview of Sensors working, Analog and Digital Sensors
6,7	15-08-2015 (FN & AN)	6. Interfacing of Temperature, Humidity, Motion, Light and Gas Sensor with Arduino
		Interfacing of Actuators with Arduino, Interfacing of Relay Switch and Servo Motor with Arduino
		7. Basic Networking with ESP8266 WiFi module
		Basics of Wireless Networking, Introduction to ESP8266 Wi-Fi Module
8	17-08-2015 (FN)	8. Various Wi-Fi library
		Web server- introduction, installation, configuration, Posting sensor(s) data to web server NIELIT DELHI Page

9	18-08-2015 (FN)	8. Various Wi-Fi library
		Web server- introduction, installation, configuration, Posting sensor(s) data to web server NIELIT DELHI Page
10	19-08-2015 (FN)	9. IoT Protocols • M2M vs. IOT
10		Communication Protocols 6. Cloud Platforms for IOT, Virtualization concepts and Cloud Architecture
11	20-08-2015 (FN)	10. Cloud computing, benefits
11	20-00-2010 (111)	Cloud services SaaS, PaaS, IaaS, Cloud providers & offerings
12	20-08-2015 (FN)	11.Study of IOT Cloud platforms
12	20 00 2000 (20)	ThingSpeak API and MQTT
13	21-08-2015 (FN)	12.Interfacing ESP8266 with Web services
13		Brief note on Interfacing ESP8266 with Web services

Q. Sudhar

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT Department Of Computer Science & Engl., Bharath Institute Of Higher Education & Research (Declared as Deemed to be University U/S 3 Of UGC Act, T953) 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 4" July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date of Introduction of the Course: 12.09.2015

B.Tech Computer Science and Engineering

HAND ON TRAINING "IOT"

S. No	REG.NO	NAME OF THE CANDIDATE
1	U15CS091	KHALYAN S N
2	U15CS092	KISHORE VENKAT
3	U15CS093	KM AYUSHI JAISWAL
4	U15CS094	KOLUKULURI ADITHYA RAGHAV VARMA
5	U15CS095	KONATALA PUSHPA
6	U15CS096	KONDURU PREM KUMAR
7	U15CS097	KONGARA KIRAN KUMAR
8	U15CS098	KOPPA SEKHAR SAI VISWAM
9	U15CS099	KOTHAPALLI ARYAN VARMA
10	U15CS100	KOTIPALLI SRI SAI SURYA PRASANTH
11	U15CS101	KOTNANI KRISHNA VAMSI
12	U15CS102	KRISHNA KUMAR YADAV
13	U15CS103	KUMMETA SAI VAMSI KRISHNA REDDY
14	U15CS104	KUNISETTY JYOTHSNA
15	U15CS105	LALJEE
16	U15CS106	LINGAMPELLY SANNITH REDDY
17	U15CS107	LOHESH WARAN S
18	U15CS108	M SHIVA PRAKASH
19	U15CS109	M UTTEJ
20	U15CS110	M. DINESH REDDY
21	U15CS111	M.YESHWITHA REDDY
22	U15CS112	MAILE ARUN KUMAR
23	U15CS113	MAMUNDURU BHARATH KUMAR
24	U15CS114	MANCHALA ROHITH
25	U15CS115	MANCHIKANTI RAJITHA

26	U15CS117	MANOJ KUMAR R
27	U15CS118	MANUGUNTA BHARGAVI
28	U15CS119	MARRIBOYINA GOVARDHAN YADAV
29	U15CS120	MARRIPUDI KRISHNA CHAITANYA
30	U15CS121	MD MINHAZ RAZA HASHMI
31	U15CS122	MOHAMED SAJEEN N
32	U15CS123	MOHAMMAD ASLAM SHAREEF
33	U15CS124	MOHANKUMAR J
34	U15CS125	MOLAPANTI SIVA KALPANA
35	U15CS126	MOORABOINA NARESH
36	U15CS127	MUPPALLA SURENDRA
37	U15CS128	MURARI KUMAR CHAUDHARY
38	U15CS129	N SWAPNA RAAGA
39	U15CS130	NAGANNAGARI JAGADISH
40	U15CS132	NALLANALLI SATYA SANDEEP KUMAR
41	U15CS133	NALLURI AKHIL BABU
42	U15CS134	NAMBURI VIJAY KUMAR
	Aglan	

- 2010 Course Coordinator

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J V HOD

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

Acad	emic Year		2015-20)16						
Term										
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					(Other	than lost	ro hours)			
2.		of hours per		the course		than lectu	6-8		8-10	
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3.	Prenara	tion for the co	ourse by the st	udent:						
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	(i) (ii)	•	prior exposure		equisites			NO		
	(iii)	-	relevant addit				study	No		
	(iii) (iv)		sure to the bac					Yes		
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	(b)	Get exposed t	o a relevant su	bject				Ye		
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	(d)	Better Employ	yment Opportu	mity				N		
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3.	Clarity		\sim							
4.	Level of		\sim							
5.	Level of	finteraction			\checkmark					
6.	Accessibility outside the class									_
7.	Others	please specify				\checkmark				
					0.1	1	Date			
	xcellent		Very Good	C	Good		D: Satisfa	ctory	E: Po	or //

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, 1955) Chennai - 600 073, INDIA

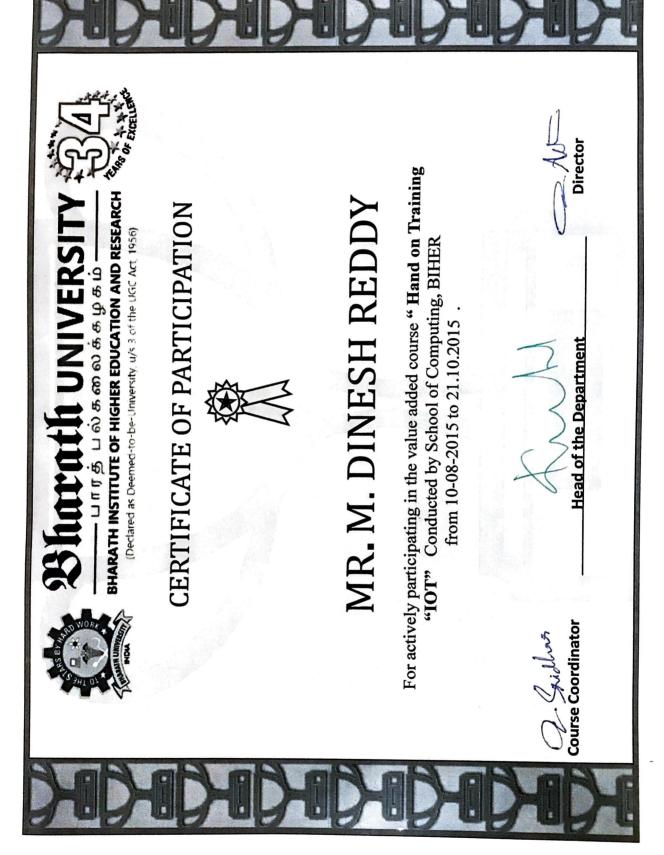
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	Numbe	r of hours per v	veek spent o	n the course	e (Other tha	n lectu	re hours)				
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	I		1	L		1					
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	(i)	Have done part						Yes			
	(ii)	Has adequate p		-	•			yes			
	(iii)	Had to pickup		-	-	current	study	yes			
	(iv)	Have no exposure to the background material									
	1771		1	1 4							
		xpectations for taking the course by the student are:									
	(a)	Enhance by skill base in the area of specializations									
	(b)	Get exposed to a relevant subject						Yes			
	(c)	Curiosity		No							
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	(f)	To Improve CO						N	0		
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	Others (please specify									
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Department Of Computer Science & Engg., Bharath institute Of Higher Education & Research (Declared as Deemed to be University UIS 3 Of UGC Act, 1958) Chennai - 600 073, INDIA

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HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Declared as Deemsd to be University U/8 3 Or USC AL., St.) Chennal - 600 073, INDIA



CERTIFICATE COURSE ON HAND ON TRAINING "IOT"

Introduction of the Course: 12.09.2015



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Course Coordinator

Head of the Department

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/3 3 Of UGC Act, 1956) Chennai - 600 073, INDIA



Requisition Letter

Date: 05.08.2015

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 "Data Analysis Using Excel And Spss" -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 Using Excel And Spss" -Reg in our campus premises on 10.08.2015, 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.

ITEAD OF DEPARTUENT Department Of Corrouter Calence & Engoli Bharath Indiffuts Of Migher Shubstlien & Research (Doclared as Deamed to be University, Ur8 3 Of UGC Act, 1956) Chennal - 600 070, INDIA





CIRCULAR

07.08.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Data Analysis using Excel And Spss** for the benefit of students. This course is scheduled from 10.08.2015 to 19.08.2015 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	Hus C. Anuradha	Assistant Professor

Head of Department

HEAD OF DEPARTMENT Department Of Computer Science & Enggli Bharath Isotitute Of Higher For Instan & Science for (Declared as Debayd to DOV Lichtwig, GRS D Or USC Act, ICU Chemical Hei Curr Schultzek

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CERTIFICATE COURSE ON Data Analysis using Excel And Spss Date of Introduction of the Course: 12.09.2015

<u>COURSE SYLLABUS</u>

1. Create an Excel report

This module explains how to create a report in Excel Filtering and Formatting Data Charts Excel Tables Filtering Excel Data, Formatting, Excel Data, Create excel Charts, Filter and format data, Create charts.

2. Create an Excel Table

create data tables in Excel, Excel Data Tables, Summarizing Data

3. Pivot Tables and Pivot Charts

Create an Excel Table,Summarize Excel Data Explain what Excel Data tables are Sort, filter, and validate data,Summarize data,Format summarized data.

4. Importing Data from a CSV File

Creating a Pivot Table, Creating a Pivot Chart, Editing Pivot Tables and Pivot Charts, Describe pivot tables and how to create them, Describe the various elements of a pivot chart, Edit pivot tables and pivot charts.

5. Dashboards

Arranging Tables and Charts, Slicing Data, Data Analysis, Describe a dashboard. Filter data using a slicer, Add calculated columns to a dashboard, Find anomalies.

6. Creating Hierarchies

. Hierarchies, Time , DataCreate a Hierarchy, Configure Time data, Create an Animated Time Chart

7. The Excel Data Model

This module explores the Excel data model and looks at ways of extending it.

8. Explore an Excel Data Model

Explain an Excel Data Model and how to use it.

9. Add Multiple Tables

Import External Data and use it.

10. Create Relationships

Link out to external data.

11.Add External Data

Etxternal data is to extend it

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 databased decisions.

Specifically, the course has the following objectives: Students will learn

- 1. Understanding Filtering Excel Data, Formatting.
- 2. Understanding External Data.
- 3. Charts, Slicing Data, Data Analysis .
- 4. Arranging Tables and Charts, Slicing Data.
- 5. Import External Data and use it.
- 6. Excel Table, Summarize Excel Data

C. Annah

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Doclared as Deemed to be University U/S 0 Of UGC Act, 1956) Chennai - 600 073. INDIA



CERTIFICATE COURSE Short term course on DATA ANALYSIS USING EXCEL AND SPSS

Date of Introduction of the Course: 12.09.2015

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

<u>Time Table & Lesson plan</u>

CLASS	DATE	TOPIC					
1	10-08-2015 (FN)	 1. Create an Excel report Filtering and Formatting Data Charts Excel Tables Filtering Excel Data, Formatting, Excel Data, Create excel Charts, Filter and format 					
2	11-08-2015 (FN)	2. Create an Excel Table create data tables in Excel, Excel Data Tables,Summarizing Data					
3	12-08-2015 (FN)	3. Pivot Tables and Pivot Charts Create an Excel Table,Summarize Excel Data					
4	13-08-2015 (FN)	4 Importing Data from a CSV File Creating a Pivot Table,Creating a Pivot Chart,Editing					
5	14-08-2015 (FN)	5 Dashboards Arranging Tables and Charts, Slicing Data, Data Analysis					
6	15-08-2015 (FN)	6. Creating Hierarchies Hierarchies, Time, DataCreate a Hierarchy					
7	15-08-2015 (AN)	7 The Excel Data Model Time data,Create an Animated Time Chart					

8	17-08-2015 (FN)	8. Explore an Excel Data Model Excel Data Model and how to use it.	
		9. Add Multiple Tables Import External Data and use it.	
9	18-08-2015 (FN)	10. Create Relationships Link out to external data.	
10	19-08-2015 (FN)	11.Add External Data Etxternal data is to extend it	

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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, 1958) Chennal - 600 073, INDIA



Bharath OF HIGHER EDUCATION AND RESEAL

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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date of Introduction of the Course: 12.09.2015

B.Tech Computer Science and Engineering

Introduction to DataAnalysis using Excel Spss

		Introduction to DataAnalysis using Excel Spss
S. No	REG.NO	NAME OF THE CANDIDATE
1	U15CS001	ABHIJEET KUMAR
2	U15CS002	ABHIJIT KUMAR GUPTA
3	U15CS003	ABHISHEK KUMAR SINGH
4	U15CS004	ALLU SAI SIVA PRIYANKA NAIDU
5	U15CS005	AMBIKE KUMAR SINGH
6	U15CS006	ANBUMANI S
7	U15CS007	ANJAR ALI
8	U15CS008	ANKAM MANJUNATH
9	U15CS009	ANNADI DHANUSH
10	U15CS010	ANNAVARAPU DIVYA
11	U15CS011	ANUMOLU YESWANTH
12	U15CS012	ARAVAPALLI SIVA VINAYA
13	U15CS013	ARAVINDHAN K R
14	U15CS014	ARVIND KUMAR YADAV
15	U15CS015	ARYAN SAHU
16	U15CS016	ASHISH AGARWAL
17	U15CS017	ASHISH RANJAN
18	U15CS018	ATTANTI RAVIKANTH
19	U15CS019	BANAVATH SUNIL NAIK
20	U15CS020	BANDARU RAMESH
21	U15CS021	BATTA SIVA PRASAD
22	U15CS022	BHARATH K
23	U15CS023	BHARATHI V
24	U15CS024	BIKKI KUMAR SHA
25	U15CS025	BINGEWAR SAISHARAN
26	U15CS026	BIRADAVOLU SUCHARITHA
27	U15CS027	BODA AKHIL WESLEY
28	U15CS028	BONALA SRIDHAR RAO
29	U15CS029	BRYAN STEVE PUSHPARAJ I
30	U15CS234	DUVVURU SUNEESH KUMAR
31	U15CS235	ASHWIN VISHAL A
32	U15CS236	MALKANNAGARI HARSHAVARDHAN REDDY
33	U15CS237	BUDDI VAMSI

34	U15CS238	VATHADI SWAMYVENKATESH	
35	U15CS239	AVINASH KUMAR	
36	U15CS240	YUGESH S	
37	U15CS030	CHAKKA KSHITHIJA	
38	U15CS031	CHAMARTHI LAKSHMI NARAYANA AVINASH	

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HEAD OF DLPARTMENT Department Of Computer Science & Engo., Bharath Institute OI Higher Education & Research (Declared as Deemed to be University UIS 3 Of UGC Act, 1936) Chennai - 600 973, INDIA

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C-Anuredha Course Coordinator

Acade	mic Year	[20	5-2016								
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Cours	e Title		Da	ta Analy	sis using E	xcel and S	nss					
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	(iii)	Had to pickup relevant additional topics through concurrent study										
	(iv)	Have no exposure to the background material										
4.	The expectations for taking the course by the student are:											
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	(b)	Get exposed to a relevant subject Yes										
	(c)	Curiosity						NO				
	(d)	Better Em	ployment Opp	ortunity				Yes				
	(e)	Complete	Complete Course requirements									
	(f)	To Improv	e CGPA					No				
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HEAD OF DEPARTMENT Department Of Connection Connection Bharath Institution Hermitics Connection (Declared as Departed to be University, U.S.S. Ontroduction Chennal - 600 073, Maria

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HEAD OF THE DEPARTMENT

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	(iii)	Had to pickup relevant additional topics through concurrent study									
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Department STG (Control and All Energy) Exherative control of State (Control & Energy) (Doclared as Deemics to be unit in a (1013) CPUSIC Act, 1993) Chernal - 660 ST3, MEMA



Sharath UNIVERSITY



CERTIFICATE OF PARTICIPATION

Mr. BODA AKHIL WESLEY

For actively participating in the value added course "Data Analysis Using Excel And Spss "Conducted by School of Computing, BIHER from 10-08-2015 to 19.08.2015

Head of the Department

Course Coordinator

Director

<u>CERTIFICATE COURSE ON Data Analysis Using Excel And Spss</u> <u>Introduction of the Course: 12.09.2015</u>



Anoder **Course Coordinator**

Head of the Department

HEAU OF DEPARTMENT Department Of Computer Science & Englis Bharath Institute Of Higher Edministration S. R. Schuch (Doclared as Deemed to be University Vis C.O.: USC Act. 1986) Channal - 600 073, INDIA INSTITUTE OF HIGHER EDUCATION AND RESEARCH

BHARATH INSTITUTE OF SCIENCE AND TECHNOLOG No.173, Agharam Road, Selelyur, Chennel , T.N - 600 073.

Requisition Letter

Date: 02.12.2015

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 Logic Tool Box" -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 "Introduction to Fuzzy Logic Tool Box" in our campus premises on 10.12.2015, 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.

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, 1963) Chennai - 609 073, INDIA





CIRCULAR

05.12.2015

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Introduction to Fuzzy Logic Tool Box** for the benefit of students. This course is scheduled from 10.12.2015 to 19.12.2015 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. B. Sundanaj	Assistant Professor

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

То

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CERTIFICATE COURSE ON Training on INTRODUCTION TO FUZZY -LOGIC TOOL BOX

Date of Introduction of the Course: 11.01.2016

COURSE SYLLABUS

1. Fuzzy Logic Toolbox Product Description

Key Features, What is Different About Using Fuzzy Logic Toolbox Online.

2. Foundations of Fuzzy Logic

Fuzzy Sets, Membership Functions. Logical Operations. If-Then Rules. Types of Fuzzy Inference Systems.

3. Description of Fuzzy Logic

Why Use Fuzzy Logic, When Not to Use Fuzzy Logic, What Can Fuzzy Logic Toolbox Software do.

4. Fuzzy Modeling and Identification

About the Toolbox and the installation.

5. Fuzzy Inference Process

Fuzzify Input, Apply Fuzzy Operator, Apply Implication Method, Aggregate All Outputs, Defuzzify, Fuzzy Inference Diagram.

6. Fuzzy Logic Designer

Fuzzy Logic Toolbox Graphical User Interface Tools, The Basic Tipping Problem , The Fuzzy Logic Designer

7. Fuzzy vs. Nonfuzzy Logic

Basic Tipping Problem, Nonfuzzy Approach, Fuzzy Logic Approach

8. Build Fuzzy Systems Using Custom Functions

Build Fuzzy Inference Systems Using Custom Functions in Fuzzy Logic Designer, Specify Custom Membership Functions, Specify Custom Membership Functions.

9. Adaptive Neuro-Fuzzy Modeling

Neuro-Adaptive Learning and ANFIS, Comparison of Dnfis and Neuro-Fuzzy Designer Functionality.

10. Data Clustering

Fuzzy Clustering, Cluster Quasi-Random Data Using Fuzzy C-Means Clustering.

11. Deployment

Deploy Fuzzy Inference Systems

12. Compile and Evaluate Fuzzy Systems

Compile and Evaluate Fuzzy Systems on Windows Platforms, Compile and Evaluate Fuzzy Systems on UNIX Platforms

COURSE OBJECTIVES

This course is designed to impart knowledge about Fuzzy Logic Toolbox Product and to Compile and Evaluate Fuzzy Systems on Windows Platforms, Compile and Evaluate Fuzzy Systems on UNIX Platforms

Students will learn

- 1. Understanding Fuzzy Logic Toolbox Product
- 2. Understanding Fuzzy Modeling and Identification
- 3. Analyse Fuzzy Inference Process
- 4. Understanding Fuzzy vs. Nonfuzzy Logic
- 5. Knowing Neuro-Fuzzy Modeling
- 6. Compile and Evaluate Fuzzy Systems on Windows Platforms as well as UNIX Platforms

R Sand

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Ecsearch (Declared as Deemed to be University U/S 3 Of UGC Act, 1958) Chennai - 600 073, INDIA



CERTIFICATE COURSE ON STATISTICS WITH INTRODUCTION TO FUZZY LOGIC TOOL BOX

Date of Introduction of the Course: 11.01.2016

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	ТОРІС
1	10-012-2015(FN)	1. Fuzzy Logic Toolbox Product Description Key Features, What is Different About Using Fuzzy Logic Toolbox Online.
2	11-12-2015 (FN)	2. Foundations of Fuzzy Logic Fuzzy Sets, Membership Functions. Logical Operations . If-Then Rules. Types of Fuzzy Inference Systems.
3,4	12-12-2015 (FN & AN)	 3. Description of Fuzzy Logic Why Use Fuzzy Logic , When Not to Use Fuzzy Logic , What Can Fuzzy Logic Toolbox Software do. 4. Fuzzy Modeling and Identification About the Toolbox and the installation.
5	14-12-2015 (FN)	5. Fuzzy Inference Process Fuzzify Input, Apply Fuzzy Operator, Apply Implication Method, Aggregate All Outputs, Defuzzify, Fuzzy Inference Diagram.
6	15-12-2015 (FN)	 6. Fuzzy Logic Designer . Fuzzy Logic Toolbox Graphical User Interface Tools, The Basic Tipping Problem, The Fuzzy Logic Designer 7. Fuzzy vs. Nonfuzzy Logic Basic Tipping Problem, Nonfuzzy Approach, Fuzzy Logic Approach

7	16-12-2015 (FN)	8. Build Fuzzy Systems Using Custom Functions
		Build Fuzzy Inference Systems Using Custom Functions in Fuzzy Logic Designer, Specify Custom Membership Functions, Specify Custom Membership Functions.
8	17-12-2015 (FN)	9. Adaptive Neuro-Fuzzy Modeling
		Neuro-Adaptive Learning and ANFIS, Comparison of Dnfis and Neuro-Fuzzy Designer Functionality.
9	18-12-2015 (FN)	10. Data Clustering
		Fuzzy Clustering , Cluster Quasi-Random Data Using Fuzzy C-Means Clustering.
10	19-12-2015 (FN)	11. Deployment
		Deploy Fuzzy Inference Systems
11	19-12-2015 (FN)	12. Compile and Evaluate Fuzzy Systems
		Compile and Evaluate Fuzzy Systems on Windows Platforms, Compile and Evaluate Fuzzy Systems on UNIX Platforms

B. Sunda

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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 US 3 Of UCC act, 1955) Chennai - 600 972, IND/A



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 4" July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date of Introduction of the Course: 11.01.2016

B.Tech Computer Science and Engineering

Introduction To Fuzzy Logic Tool Box

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S. N	lo	REG.NO	NAME OF THE CANDIDATE				
1		U15CS111	M.YESHWITHA REDDY				
2		U15CS112	MAILE ARUN KUMAR				
3		U15CS113	MAMUNDURU BHARATH KUMAR				
4		U15CS114	MANCHALA ROHITH				
5		U15CS115	MANCHIKANTI RAJITHA				
6	;	U15CS117	MANOJ KUMAR R				
7	7	U15CS118	MANUGUNTA BHARGAVI				
8	3	U15CS119	MARRIBOYINA GOVARDHAN YADAV				
9	9	U15CS120	MARRIPUDI KRISHNA CHAITANYA				
1	0	U15CS121	MD MINHAZ RAZA HASHMI				
1	1	U15CS122	MOHAMED SAJEEN N				
	12	U15CS123	MOHAMMAD ASLAM SHAREEF				
	13	U15CS124	MOHANKUMAR J				
	14	U15CS125	MOLAPANTI SIVA KALPANA				
	15	U15CS126	MOORABOINA NARESH				
	16	U15CS127	MUPPALLA SURENDRA				
	17	U15CS128	MURARI KUMAR CHAUDHARY				
Γ	18	U15CS129	N SWAPNA RAAGA				
	19	U15CS130	NAGANNAGARI JAGADISH				
	20	U15CS132	NALLANALLI SATYA SANDEEP KUMAR				
	21	U15CS133	NALLURI AKHIL BABU				
Γ	22	U15CS134	NAMBURI VIJAY KUMAR				
Γ	23	U15CS135	NARENDULA NIREESHA				
Γ	24	U15CS136	NARESH K				
Γ	25	U15CS137	NEDUNURI NAGA SAI SURYA SUJITH				
Γ	26	U15CS138	NEELA SAI KUMAR				
	27	U15CS139	NIKHIL KUMAR				
Γ	28	U15CS140	NIRANJAN S				
	29	U15CS141	NITIN SINGH				
	30	U15CS142	NUKALA BHODANANDA CHARAN				
	31	U15CS143	OLIVER S				
	32	U15CS144	OMPRAKASH YADAV				
	33	U15CS145	PADMAVATY V				

34	U15CS147	PALEPU SIVA MANIKANTA CHARI
35	U15CS148	PARTHIBAN S
36	U15CS174	RAMACHANDRAN J
37	U15CS175	RAMIREDDY LAKSHMAN AJAY
38	U15CS176	RAMIREDDY SURENDRA REDDY
39	U15CS177	RANGISETTY KARTHIK
40	U15CS178	RAPARTHY SAI KIRAN
41	U15CS179	RAVANAM CHAITANYA ARAVIND VISHNU VARDHAN
42	U15CS180	RAVURI SRIKANTH
43	U15CS181	RESHMA A
44	U15CS182	RICHARD WMVRAND J
45	U15CS183	S. PUNITHA

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B.Sund COURSE CO-ORDINATOR

HOD

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

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HEAD OF DEPARTMENT Department Of Computer Science & Engg.. Bharath Institute Of Higher Education & Research (Declared as Deemed to be University UIS 3 Of UDC Act, 1956) Chennel - 600 070, MOTA

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HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT Department Of Computer Science & Endligh Bharath Institute Of Higher Education & Resparelt (Declared as Deemed to be University U/S 3 Of UGC Act, 1956) Chennal - 660 0.13, DIDIA







CERTIFICATE OF PARTICIPATION



Ms. S.PUNITHA

For actively participating in the value added course "Introduction To Fuzzy Logic Tool Box" Conducted by School of Computing, BIHER from 10-12-2015 to 19-12-2015

Course Coordinator BSuch

Head of the Department

Director

CERTIFICATE COURSE ON Training on Introduction to Fuzzy Logic-

<u>Tool Box</u>

Introduction of the Course: 11.01.2016



B.Sui

Course Coordinator

Head of the Department

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

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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m 3 of UGC Act 1956)

Requisition Letter

Date:02.03.2016

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 "Certificate Course on CRS Amadeus" -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 "Certificate Course on CRS Amadeus" in our campus premises on 14.03.2016, 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.

HEAD OF DEPARTMENT



CIRCULAR

10.03.2016

The School of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on Certificate Course on CRS Amadeus for the benefit of students. This course is scheduled from 14.03.2016 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.G Michael	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 Add. 307 Chennai - 600 073, INDIA

To

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CERTIFICATE COURSE ON ON CRS AMADEUS

Date of Introduction of the Course: 28.03.2016

COURSE SYLLABUS

1. Mathematical Basics 1

Introduction to Machine Learning, Linear Algebra

2. Mathematical Basics 2

Describes about Probability and its basic.

3. Computational Basics

Explains Numerical computation and optimization, Introduction to Machine Learning packages

4. Linear and Logistic Regression

Describes about Bias/Variance Tradeo, Regularization, Variants of Gradient Descent, MLE, MAP, Applications

5. Neural Networks

Describes about Multilayer Perceptron, Backpropagation, Applications

6. Convolutional Neural Networks 1

Explains CNN Operations, CNN architectures

7. Convolutional Neural Networks 2

Explains Training, Transfer Learning, Applications

8. Recurrent Neural Networks

Explains RNN, LSTM, GRU, Applications

9. Classical Techniques 1

Describes about Bayesian Regression, Binary Trees, Random Forests, SVM, Naïve Bayes, Applications

COURSE OBJECTIVES

This course helps to understand Functional programming is an elegant, concise and powerful programming paradigm. This style encourages breaking up programming tasks into logical units that can be easily translated into provably correct code. Haskell brings together the best features of functional programming and is increasingly being used in the industry, both for building rapid prototypes and for actual deployment.

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



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

CERTIFICATE COURSE ON CRS AMADEUS

Date of Introduction of the Course: 28.03.2016

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

CLASS DATE TOPIC 14.3.2016 1. Mathematical Basics 1 1, Introduction to Machine Learning, Linear Algebra 2. Mathematical Basics 2 2 15.3.2016 Describes about Probability and its basic **3.** Computational Basics 3 16.3.2016 Explains Numerical computation and optimization, Introduction to Machine Learning packages 4. Linear and Logistic Regression 17.3.2016 4 Describes about Bias/Variance Tradeo, Regularization, Variants of Gradient Descent, MLE, MAP, Applications 5. Neural Networks 5 18.3.2016 Describes about Multilayer Perceptron, Backpropagation, Applications 6 19.3.2016 6. Convolutional Neural Networks 1 Explains CNN Operations, CNN architectures 7. Convolutional Neural Networks 2 7 21.3.2016 Explains Training, Transfer Learning, Applications 8. Recurrent Neural Networks 22.3.2016 8 Explains RNN, LSTM, GRU, Applications 9. Classical Techniques 1 9 23.3.2016 Describes about Bayesian Regression, Binary Trees, Random Forests, SVM, Naïve Bayes, Applications

Time Table & Lesson plan

Course Coordinator

HOD

Bharath Institute of Science and Technology Department of Computer Science and Engineering

School of Computing

Certificate Course on CRS Amadeus Registered Students Name List

S.No	RegNo	Student Name	
1	U15CS046	DOOLIGANTI AKHIL REDDY	_
2	U15CS047	DUPUGUNTLA BHANU SIVA KASINADH	
3	U15CS048	GANDLUR REDDY GREESHMA	
4	U15CS049	GANESH BAG	
5	U15CS050	GANGARAJU RAHUL	
6	U15CS051	GANGARAPU UKESH	
7	U15CS052	GANGU BHAGYA	
8	U15CS053	GLADSON J	
9	U15CS054	GOLI SUDEEP KRISHNA	
10	U15CS055	GOLLAPUDI KALYAN KUMAR	
11	U15CS056	GORRE THIRUPATHI REDDY	
12	U15CS057	GUJJETI MAHESH	_
13	U15CS058	GUNDA VINAY KUMAR	
14	U15CS059	HANUMAN B	_
15	U15CS060	HARI HARAN M	
16	U15CS061	HASTHI RUCHITHA	
17	U15CS062	HEMA NARAYANAN R	
18	U15CS063	INAPARTHI RAGHAVA	
19	U15CS064	INJE RAVI TEJA	
20	U15CS065	INNURU SWATHI	
21	U15CS066	JAGADEESH K	
22	U15CS067	JAGADEESWARA RAO JADDU	
23	U15CS068	JAICHAND KUMAR	
24	U15CS069	JANAKI RAMAN V	
25	U15CS070	JHA ABHISHEK AJAY	
26	U15CS071	JOHN PARAM JYOTHI JYOTHULA	
27	U15CS072	JOTHI R	_
28	U15CS073	K THULASIRAM	
29	U15CS074	KADALI VINAY NARASIMHA	
30	U15CS075	KADUMU MOUNIKA	
31	U15CS076	KAIPU PRANAY REDDY	
32	U15CS077	KALYANAM JASWANTH NAIDU	
33	U15CS078	KAMBLE NIKHIL KUMAR	_
34	U15CS079	KANCHARLAPALLI LOKESHWAR RAO	
35	U15CS080	KANCHUMARTHI BHUVANESWAR VINAY	

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 science) Chennal - 800 073, INDIA

	emic Year		2015-2010	0							
Term					1.2						
	se Numbe	r			6						
Course Title			Certificate	e Course on CRS A	madeus						
Num	ber of Cre	dits						Refer T			
Гуре	of Course	e Regular		Elective			Add-on	6			
ι.	Inform	ation on the Res	spondent: (Ticl	k (√) Appropriate	ly)						
1.		age of classes a									
	0-20		20-40	40-60)	60-80		80-100	1		
2.	Numbe	r of hours por u	week spent on th	he course (Other	than loot	ure houre)		_	_		
**	0-2	r of nours per w	-		than lecti		1	0.10			
	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										
	(ii)	JE)									
		(iii) Had to pickup relevant additional topics through concurrent study									
	(iv) Have no exposure to the background material										
	(1V)	Have no exposi	ure to the backg	round material	_	you					
	The expectations for taking the course by the student are:										
ł.	(a) Enhance by skill base in the area of specializations										
		(b) Get exposed to a relevant subject									
	(c)	20									
		0.00									
		(d) Better Employment Opportunity									
		(e) Complete Course requirements									
	(f) To Improve CGPA the Instructor: Information on the Respondent: (Tick (√) Appropriately)										
Abou	it the Inst	ructor: Inform	ation on the Re				11 cm				
				A	В	C	D		E		
	*	the Teaching/lec									
2.		nt of the Subject		-							
		of expression		/							
	Level of	preparation		/							
	Level of	interaction									
<i>.</i>	Accessil	oility outside the	class	-	1						
<i>'</i> .	Others (please specify		1							
	cellent	/.									
			ery Good	C: Good		D: Satisfact	1	E: Poo			

HEAD OF DEPARTMENT Department Of Computer Science & Engg.. Bharath Institute Of Higher Education & Researc: (Declared as Deemed to be University U/S 3 Of UGC Act, concernantion of the Chennal - 600 073, INDIA

Academic Year 2015-2016			2015-20	J16						_		
Tern												
CONTRACTOR	se Numb	er										
Cou	rse Title		Certific	ate Cours	e on CRS	Amadeus	i diana					
Num	ber of Cr	edits							X	-		
Туре	ype of Course Regular				Elective			Add-on	/			
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2.	Numbe	er of hours per week	spent or	the cour	rse (Othe	r than lectu	ire hours)					
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	02								0.10	_		
3.	Prepar	ation for the course	by the st	tudent:			12011					
	(i)	Have done part of this course earlier										
	(ii)	Has adequate prior exposure to the prerequisites m										
	(iii)	Had to pickup relevant additional topics through concurrent study										
	(iv)	Have no exposure to the background material										
4.	The ex	The expectations for taking the course by the student are:										
	(a)	Enhance by skill base in the area of specializations										
	(b)	Get exposed to a relevant subject										
	(c)	Curiosity										
	(d)	Better Employment Opportunity										
	(e)	Complete Course r	nts	NO)							
	(f)	To Improve CGPA		in								
Abo	ut the Ins	structor: Informatio	on on the	Respond	ent: (Ticl	(√) Appro	priately)					
-					A	В	C	I)	E		
1.	Pace of	f the Teaching/lecture			1							
2.	Comme	ent of the Subject			_	1						
3.	Clarity	of expression			-							
4.	Level o	of preparation			~	-						
5.		of interaction			1	-						
6.		ibility outside the cla	SS		-	/						
		(please specify			/		2					
7.									10			
7.			Good		C: Good	1	D: Satisfa		E: Po	-		

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		ar	2015-20	16								
Terr												
	rse Numl	ber										
Cou	rse Title		Certifica	te Course on CRS	S Amadeus							
Nun	iber of C	redits										
Тур	e of Cour	se Regular		Electiv	e		Add-on	1				
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1.	0-20	intage of classes a	20-40	40	(0)	(0.00	-	00.100	/			
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2.	Numb	er of hours per v	week spent on	the course (Othe	r than lect	ure hours)						
	0-2		2-4	4-6		6-8		8-10	1			
3.	Prepa	ration for the co	urse by the stu	dent:								
	(i)	Have done part of this course earlier										
	(ii)	Has adequate prior exposure to the prerequisites										
	(iii)	Had to pickup relevant additional topics through concurrent study										
	(iv)	Have no expos	ure to the back	ground material		.1.0						
	1					Fri						
4.	-	expectations for taking the course by the student are:										
	(a)	Enhance by skill base in the area of specializations										
	(b)	Get exposed to a relevant subject										
	(c)	Curiosity										
	(d)	Better Employment Opportunity										
	(e)	Complete Course requirements										
	(f)	To Improve CGPA										
bo	ut the In	structor: Inform	ation on the R	espondent: (Tic	k (√) Appro	priately)		1.19				
				A	В	C	D		Е			
ι.	Pace of	f the Teaching/lec	ture	C								
	Comm	ent of the Subject	í .	/	1.10-1							
3.	Clarity	of expression		/	-							
I.	Level	of preparation		/								
	Level	of interaction		1					19. E.			
5.	Access	ibility outside the	class	1	100							
7.	Others	(please specify		/								
		/										
	xcellent	B: V	Very Good	C: Good		D: Satisfac	tory	E: Poo	r			

Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Declared as Deemed to be University U/S 3 Of UGC Act, 1958) Chennal - 600 073, INDIA

<u>CERTIFICATE COURSE ON CRS AMADEUS</u> <u>Introduction of the Course: 28.03.2016</u>



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 USU 2007, 2003) Chennel - 600 073, 2003





Requisition letter

Date: 18.02.2016

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

Sub: Request of permission to conduct a value – added course on "Microsoft Cloud Application"-Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course "Microsoft Cloud Application" – reg in our campus premises on 22.02.2016, 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 (Doclared as Deemed to be University U/S 3 Of UGC Act, 1956) Chennal - 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

20.02.2016

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of Microsoft Cloud Application** for the benefit of students. This course is scheduled from 22.02.2016 to 03.03.2016 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. Rajaboosham	Professor
2	Mr. R. Sridhar	Assistant Proteson

Head of Department

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

То

Copy to CSE

Copy to IT



CERTIFICATE COURSE ON MICROSOFT CLOUD APPLICATION

Date of Introduction of the Course: 07.03.2016

COURSE SYLLABUS

1. Introduction of cloud computing

General Benefits and Architecture, Business Drivers, Main players in the Field, Overview of Security Issues, XaaS Cloud Based Service Offerings

2. Key Amazon offerings

EC2, Simple DB, S3, Simple Queue, Simple Relational Database, Elastic Map Reduce, Virtual Amazon Cloud. S3 Command Line tool

3. Bundling Amazon instances

We will learn how to create and manipulate Amazon instances with command line tools, transfer application software to instances and bundle them into new AMI-s that could be offered to the public.

4. Amazon's Elastic Block Storage

(EBS) provides persistence storage in the cloud. We will learn how to move application code and data from non-EBS instance into EBS volumes, and create our own EBS based AMI-

5 Amazon's AWS Identity

Management and Security in the Cloud

6. Amazon's Virtual Private Cloud

Amazon's Virtual Private Cloud (VPC) and Directory Service

7. Java AWS SDK, S3 API

Java AWS SDK, S3 API, Relational Database Service, SimlpeDB Service, NoSQL Databases

8. Amazon's Messaging in the Cloud

We will review details of AWS Simple Notification and Simple Queuing Service.

9. Amazon's Restful Web Services

AWS APIs are sufficiently rich to allow you easy interaction with AWS service. However, in order to establish connectivity between your own modules in the Cloud you should use Restful Web Services

10. Elastic Load Balancing and Auto Scaling

allow automation of resource manipulation

11. Introduction to Microsoft Cloud

Microsoft offers a set of resources and features that are of great utility to those who are restricted to programming in .Net Environment

12. Map Reduce

Performs large distributed computation as a set of distributed operations on data sets composed of key-value pairs producing a reduced set of key-value pairs. We will learn the basics of Hadoop, an open-source implementation of Map Reduce, and its Java API. Hadoop Distributed File System (HDFS) features.

COURSE OBJECTIVES

To learn and analyse the Cloud Computing has transformed the IT industry by opening the possibility for infinite or at least highly elastic scalability in the delivery of enterprise applications and software as a service (SaaS).

Specifically, the course has the following objectives:

Students will learn

- 1. Understanding cloud concepts
- 2. Understanding key amazon offerings.
- 3. Analyse bundling amazon instances.
- 4. Create amazon messaging in the cloud,
- 5. Demonstrate a conceptual understanding of the unified nature of map reduce.
- 6. Understanding about amazon virtual private cloud.

R. Sriele

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

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



CERTIFICATE COURSE ON MICROSOFT COLUD APPLICATION

Date of Introduction of the Course: 07.03.2016

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	22-02-2016(FN)	1. Introduction of cloud computing General Benefits and Architecture, Business Drivers, Main players in the Field, Overview of Security Issues, XaaS Cloud Based Service Offerings
2	23-02-2016 (FN)	2. Key Amazon offerings EC2, Simple DB, S3, Simple Queue, Simple Relational Database, Elastic Map Reduce, Virtual Amazon Cloud. S3 Command Line tool
3	24-02-2016(FN)	3. Bundling Amazon instances
		We will learn how to create and manipulate Amazon instances with command line tools, transfer application software to instances and bundle them into new AMI-s that could be offered to the public.
4	25-02-2016(FN)	4. Amazon's Elastic Block Storage (EBS) provides persistence storage in the cloud. We will learn how to move application code and data from non- EBS instance into EBS volumes, and create our own EBS based AMI
5	26-02-2016(FN)	5. Amazon's AWS Identity Management and Security in the Cloud
6,7	27-02-2016 (FN&AN)	 6. Amazon's Virtual Private Cloud 7. Java AWS SDK, S3 API Java AWS SDK, S3 API, Relational Database Service, Simple DB Service, NoSQL Databases
8	29-02-2016(FN)	8. Amazon's Messaging in the Cloud We will review details of AWS Simple Notification and Simple Queuing Service.
9	01-03-2016 (FN)	9. Amazon's RESTFul Web Services AWS APIs are sufficiently rich to allow you easy interaction with AWS service. However, in order to establish connectivity between your own modules in the Cloud you should use RESTFul Web Services.

10	02-03-2016 (FN)	10. Elastic Load Balancing and Auto Scaling Allow automation of resource manipulation
11	03-03-2016 (FN)	11. Introduction to Microsoft Cloud Microsoft offers a set of resources and features that are of great utility to those who are restricted to programming in .Net Environment
12	03-03-2016 (FN)	12. MapReduce Performs large distributed computation as a set of distributed operations on data sets composed of key- value pairs producing a reduced set of key-value pairs. We will learn the basics of Hadoop, an open-source implementation of MapReduce, and its Java API. Hadoop Distributed File System (HDFS) features.

R. Srid

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) Chennal - 600 073. INDIA





	DEP	ARTMENT OF COMPUTER SCIENCE AND ENGINEERING			
		Microsoft Cloud Application			
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S. No	REG.NO	NAME OF THE CANDIDATE			
1	U15CS101	KOTNANI KRISHNA VAMSI			
2	U15CS102	KRISHNA KUMAR YADAV			
3	U15CS103	KUMMETA SAI VAMSI KRISHNA REDDY			
4	U15CS104	KUNISETTY JYOTHSNA			
5	U15CS105	LALJEE			
6	U15CS106	LINGAMPELLY SANNITH REDDY			
7	U15CS107	LOHESH WARAN S			
8	U15CS108	M SHIVA PRAKASH			
9	U15CS109	M UTTEJ			
10	U15CS110	M. DINESH REDDY			
11	U15CS111	M.YESHWITHA REDDY			
12	U15CS112	MAILE ARUN KUMAR			
13	U15CS113	MAMUNDURU BHARATH KUMAR			
14	U15CS114	MANCHALA ROHITH			
15	U15CS115	MANCHIKANTI RAJITHA			
16	U15CS117	MANOJ KUMAR R			
17	U15CS118	MANUGUNTA BHARGAVI			
18	U15CS119	MARRIBOYINA GOVARDHAN YADAV			
19	U15CS120	MARRIPUDI KRISHNA CHAITANYA			

20	U15CS121	MD MINHAZ RAZA HASHMI
21	U15CS122	MOHAMED SAJEEN N
22	U15CS123	MOHAMMAD ASLAM SHAREEF
23	U15CS124	MOHANKUMAR J
24	U15CS125	MOLAPANTI SIVA KALPANA
25	U15CS126	MOORABOINA NARESH
26	U15CS127	MUPPALLA SURENDRA
27	U15CS128	MURARI KUMAR CHAUDHARY
28	U15CS129	N SWAPNA RAAGA
29	U15CS130	NAGANNAGARI JAGADISH
30	U15CS132	NALLANALLI SATYA SANDEEP KUMAR
31	U15CS133	NALLURI AKHIL BABU
32	U15CS134	NAMBURI VIJAY KUMAR
33	U15CS135	NARENDULA NIREESHA
34	U15CS200	SITAROJ SRIKANTH
35	U15CS201	SMITHA C.S
36	U15CS202	SODISETTY SANDEEP
37	U15CS203	SUBASH CHANDRAN V
38	U15CS204	SUBHAM RAY
39	U15CS205	SUDALAGUNTA GOPI KRISHNA
40	U15CS206	SUJEETH KUMAR K
41	U15CS207	SWARNA LAKSHMI PRIYANKA
42	U15CS208	TAGORE S

R.Sviel

COURSE CO-ORDINATOR

HEAD **OFF DEPERTMENT** Ospartment Of Computer Science & Russin, Binarath Institute Of Higher Education (Bicglared as Deemed to be University UIS) Chennal - 600 073, IND

Acad	emic Year		2015-2	2016							
Term											
Cour	se Number										
Cour	se Title		Micro	soft Cloud Ap	plication						
Num	ber of Cred	its									
Туре	of Course	Regular		Elec	ctive			Add-on			
					l						
I.	Informat	tion on the Resp	oondent: (1	Fick (√) Approp	priately)						
1.		ge of classes att		1 1	40-60		60-80	1	80-100	90	
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2.	Number	of hours per we	ek spent o	on the course (C	Other than	lecture	e hours)				
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		Have done part of							No		
		Has adequate prior exposure to the prerequisites									
		Had to pickup relevant additional topics through concurrent study									
	(iv)	Have no exposu	re to the ba	ckground mater	ial				No		
4.	The expectations for taking the course by the student are:										
	(a) Enhance by skill base in the area of specializations										
	(b)										
	(c)										
	(d) 1	Better Employm	ent Opport	tunity					Yes		
	(e)	Complete Cours	e requirem	ents					Yes		
		To Improve CGI							Ýes		
Abou	t the Instr	uctor: Informa	tion on the	e Respondent:	(Tick (√) A	Approp	riately)				
				A		B	С	D		E	
1.		ne Teaching/lect	ure	\checkmark							
2.		t of the Subject									
3.		fexpression									
4.	1	preparation				r					
5.		interaction		V							
6.		ility outside the	class	\checkmark	1						
7	Others (p	lease specify	đ	\checkmark				-			
7.	1		P								
	xcellent	B: Ve	ery Good	, / C: Go	bod		D: Satisfact	ory	E: Poor	r	

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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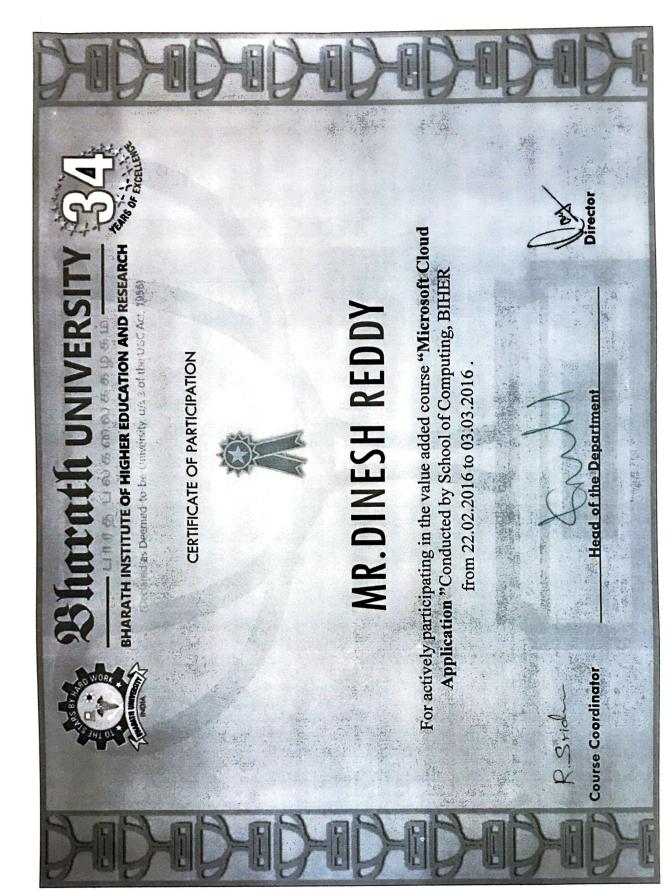
ade	mic Year		2015-20)16								
m												
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pe	of Course	Regular		1	Elective			Add-on				
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	Percentage of classes attended											
		age of classes at			40-60		60-80		80-100			
	0-20		20-40		40-00							
_	Numbe	r of hours per w	eek spent o	n the cours	e (Other th	an lectur	e hours)					
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	Prepar	ation for the cou										
	(i)	Have done part							Yes			
	(ii)	Has adequate prior exposure to the prerequisites NO Had to pickup relevant additional topics through concurrent study VU										
	(iii)					oncurrent	study		Yu			
	(iv)	Have no expos	ure to the ba	he background material								
	Theor	nectations for to	king the co	urse by the	e student ar	e:						
•	(a)	expectations for taking the course by the student are: Enhance by skill base in the area of specializations										
	(a) (b)	Get exposed to a relevant subject Ve										
	(b) (c)	Curiosity Yes										
	(d)	Better Employ	ment Oppor	tunity					NO			
	(u) (e)	Complete Cou							Yes			
	(f)	To Improve Co	GPA						Yes			
1b	out the In	structor: Inform	nation on th	e Respond	ent: (Tick (√) Approj	priately)					
					A	В	C	I)	Е		
	Pace of	of the Teaching/le	cture		\checkmark							
2.		nent of the Subject				\checkmark						
3.	Clarit	y of expression			\checkmark							
4.	Level	of preparation			\checkmark							
5.	Level	of interaction				\checkmark						
		ssibility outside th	ne class		V							
6.		s (please specify			\mathcal{A}							
6. 7.	Other	-										
7.	Other		Very Good	T T.	C: Good		D: Satisfa	actory \	E: P	oor		

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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Ac	ademic Yea	r	2015-2	016								
Te	rm											
Co	urse Numbe	r										
Co	urse Title		Micros	oft Cloud App	lication							
Nu	mber of Cre	dits					Add-on					
Ту	e of Course	Regular		Elect	tive		Aldu on	V				
					-fatalar)							
I.	Informa	tion on the Resp	bondent: (1)	іск (\) Арргорі	natery)							
1.	Percent	age of classes att	ended									
	0-20		20-40	4	40-60	60-80		80-100	N			
2.	Number	of hours per we	ek spent on					8-10				
	0-2		2-4	4	4-6	6-8	\checkmark	0-10				
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.		Have done part of					Ve					
	1	Has adequate pri			ites			U				
	(ii) (iii)	Had to nickun re	levant additi	nt additional topics through concurrent study								
		Have no exposur						Jo				
	(iv)	lave no exposur										
	The expe	ctations for tak	ing the cour	rse by the stude	ent are:							
	(a)]	Enhance by skill	base in the a	area of specializ	ations		Yes					
		Get exposed to a	relevant sub	ject			Yes					
	(c) (Curiosity					Yes					
	(d) I	Better Employme	ent Opportur									
	(e) (Complete Course	requiremen	juirements Yey								
	(f) 1	To Improve CGP	4	Yes								
bou	t the Instru	uctor: Informat	ion on the H	Respondent: (T	ick (√) Appro	priately)			Е			
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	Pace of the	e Teaching/lectur	e									
-	Comment	of the Subject										
_	Clarity of	expression			V							
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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, 1986) Chennel - 600 073, INDIA



<u>CERTIFICATE COURSE ON MICROSOFT CLOUD APPLICATION</u> <u>Introduction of the Course: 07.03.2016</u>



R. Srich

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 LIGC Act, 1956) Chennai - 600 073. INDIA



Requisition letter

Date: 28.03.2016

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 "Microsoft Windows Application"-Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course "Microsoft Windows Application" – reg in our campus premises on 30.03.2016, 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





CIRCULAR

29.03.2016

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on Certificate Course of Microsoft Windows Application for the benefit of students. This course is scheduled from 30.03.2016 to 09.04.2016 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	Protemor
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) Chennal - 600 073, 140

To

Copy to CSE

Copy to IT



CERTIFICATE COURSE ON MICROSOFT WINDOWS APPLICATION

Date of Introduction of the Course: 11.04.2016

COURSE SYLLABUS

1. Installing Windows

This module covers installing the Windows client OS. Students will learn the different editions of Windows client, requirements, and new features introduced.

2. Configuring Authorization and Authentication

This module introduces the tools and features of Windows for authorizing access to Windows clients. Students will learn about methods for how users sign-in to Windows.

3. Post Installation Configuration and Personalization

This module covers common post-installation tasks in Windows client. Students will learn how to customize the user interface, as well as using the control panel and settings app to configure common OS settings.

4. Updating Windows

Servicing model and how it applies to various scenarios. Students will learn the various different methods for updating Windows and applications, as well as managing updates using tools like group policy and Windows Update for Business.

5. Configuring Networking

This module will introduce to IPv4 and IPv6, and concepts like DNS. Students will learn how to configure network settings in Windows, as well as learn about wireless network technologies.

6. Configuring Storage

This module covers storage configuration and management in Windows 10. Students will be introduced to local, cloud and virtual storage options.

7. Configuring Data Access and Usage

Students will learn how to configure file and folder permissions as well as shared folders. Students will also learn configuring settings through methods such as local and group policy.

8. Managing Apps in Windows Client

This module will cover the different types of apps and supported installation methods. Students will learn how to install apps using manual and automated methods, as well as manage app delivery using the Windows Store.

9. Configuring Threat Protection and Advanced Security

This module will teach students about using encryption, firewalls, and IPSec to help protect against threats. The module will conclude with how to configure and use Windows Defender and AppLocker.

10. Supporting the Windows Client Environment

This module will also discuss methodologies for effectively troubleshooting issues and how to proactively manage and optimize Windows.

11. Trouble Shooting Flies and Application

This module also includes common methods for troubleshooting application installation issues, compatibility issues, and resolving browser issues.

12. Trouble Shooting Hardware and Drivers

Students will also learn steps for troubleshooting system hardware and external peripherals such as USB drives and printers, including diagnostic methods and remediation.

<u>COURSE OBJECTIVES</u>

To learn and analyse how to managing storage, files, and devices as well as how to configure network connectivity for Windows. Students will also learn how to secure the Windows OS and protect the data on the device. Finally, students will learn how to manage and troubleshoot Windows clients.

Specifically, the course has the following objectives:

Students will learn

- 1. Understanding Microsoft application
- 2. Understanding authorization and authentication.
- 3. Analyse updating windows.
- 4. Configuring data access and usage.
- 5. Understanding of trouble shooting and application.
- 6. Understanding of trouble shooting hardware and drivers.

COURSE COORDINATOR

HEAD OF THE DEPARTMENT HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research Bharath Institute Of Higher Education & Research (Declared as Deemed to be University U/S 3 Of UGC Act, 1986) (Declared as Deemed to be University U/S 3 Of UGC Act, 1986) Chennai - 600 073, INDIA



CERTIFICATE COURSE ON MICROSOFT WINDOWS APPLICATION

Date of Introduction of the Course: 11.04.2016

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

<u>Time Table & Lesson plan</u>

CLASS	DATE	ТОРІС
1	30-03-2016(FN)	1. Installing Windows This module covers installing the Windows client OS. Students will learn the different editions of Windows client, requirements, and new features introduced.
2	31-03-2016 (FN)	2.Configuring Authorization and Authentication This module introduces the tools and features of Windows for authorizing access to Windows clients. Students will learn about methods for how users sign-in to Windows.
3	01-04-2016(FN)	3.Post Installation Configuration and Personalization This module covers common post-installation tasks in Windows client. Students will learn how to customize the user interface, as well as using the control panel and settings app to configure common OS settings.
4,5	02-04-2016(FN) &(AN)	 4. Updating Windows 5. Configuring Networking Servicing model and how it applies to various scenarios. Students will learn the various different methods for updating Windows and applications, as well as managing updates using tools like group policy and Windows Update for Business.
6	04-04-2016(FN)	6. Configuring Storage This module will introduce to IPv4 and IPv6, and concepts like DNS. Students will learn how to configure network settings in Windows, as well as learn about wireless network technologies.
7	05-04-2016 (FN)	7. Configuring Data Access and Usage Students will learn how to configure file and folder permissions as well as shared folders. Students will also learn configuring settings through methods such as local and group policy.

8	06-04-2016(FN)	8. Managing Apps in Windows Client
		This module will cover the different types of apps and supported installation methods. Students will learn how to install apps using manual and automated methods, as well as manage app delivery using the Windows Store.
9	07-04-2016 (FN)	9. Configuring Threat Protection and Advanced Security This module will teach students about using encryption, firewalls, and IPSec to help protect against threats. The module will conclude with how to configure and use Windows Defender and AppLocker.
10	08-04-2016 (FN)	10. Supporting the Windows Client Environment This module also includes common methods for troubleshooting application installation issues, compatibility issues, and resolving browser issues.
11,12	09-04-2016 (FN)&(AN)	 11. Trouble Shooting Hardware and Drivers 12. Trouble Shooting Flies and Application Students will also learn steps for troubleshooting system hardware and external peripherals such as USB drives and printers, including diagnostic methods and remediation.

Vr COURSE COORDINATOR

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HEAD OF THE DEPARTMENT

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



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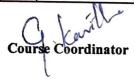
Exact And And Research (Declared as Deemed-to-be University under section 3 of UGC Act, 1956) (Vide Notification No. F.9-5/2000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4" July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Microsoft Windows Application

	B.Tech Computer Science and Engineering (2015-2016)							
S. No	REG.NO NAME OF THE CANDIDATE							
1	U15CS050	PERABATHULA SUNIL KUMAR						
2	U15CS051	PERAM ANTONY						
3	U15CS052	PERAM VENKATA KRISHNA REDDY						
4	U15CS053	PERURI V S V KRISHNA MOHAN						
5	U15CS054	POORVISHA M						
6	U15CS055	PRADEEP YADAV						
7	U15CS056	PRASAD ABHISHEK KUMAR						
8	U15CS057	PRASHANT PATHAK						
9	U15CS058	PRATHI VENKAT RANJITH KUMAR						
10	U15CS059	PRAVEENA S						
11	U15CS060	PUJALA NARENDRA BABU						
12	U15CS061	PULAGAM SAI PRATHAP REDDY						
13	U15CS062	PULIMUNI HIMAJA						
14	U15CS063	PULUKURI SASIDHAR						
15	U15CS064	PUPPALLA SANDEEP KUMAR						
16	U15CS065	PUTLURI ANURADHA						
17	U15CS066	R4AVI NARENDRA						
18	U15CS067	RAGILLA SANTHOSH KUMAR						
19	U15CS068	RAJULA SREEVANI						
20	U15CS069	RAKESH RATHI						
21	U15CS070	RAMACHANDRAN J						
22	U15CS071	RAMIREDDY LAKSHMAN AJAY						
23	U15CS072	RAMIREDDY SURENDRA REDDY						
24	U15CS073	RANGISETTY KARTHIK						
25	U15CS074	RAPARTHY SAI KIRAN						
26	U15CS075	RAVANAM CHAITANYA ARAVIND VISHNU VARDHAN						
27	U15CS076	RAVURI SRIKANTH						
28	U15CS077	RESHMA A						
29	U15CS078	RICHARD WMVRAND J						
30	U15CS079	S. PUNITHA						
31	U15CS080	S. SAI SHRUTHI						
32	U15CS081	SADHOLLA PRANAY REDDY						
33	U15CS082	SAI RAMANA S M						
34	U15CS083	SANAYAGARI JAYA CHANDRA REDDY						
35	U15CS084	SANDANAMUDI CHANDRA TEJA						

-		
36	U15CS085	SANTHOSH RAJ M
37	U15CS086	SATHISH S
38	U15CS087	SEETAPATI HEMA SEKHAR
39	U15CS088	SESHA SRUJAN B
40	U15CS089	SHAIK AFRIDI
41	U15CS090	SHAIK SABIR
42	U15CS091	SHAIK YASMEEN
43	U15CS092	SHARYARAI S
44	U15CS093	SHATRUGHAN SUMAN S
45	U15CS094	SINGAMALA VENKATA SAI RAVI TEJESWAR REDDY
46	U15CS095	SIRI GIRI HAREESH
47	U15CS096	SITAROJ SRIKANTH
48	U15CS097	SMITHA C.S
49	U15CS098	SODISETTY SANDEEP
50	U15CS099	SUBASH CHANDRAN V
51	U15CS100	SUBHAM RAY
52	U15CS101	SUDALAGUNTA GOPI KRISHNA
53	U15CS102	SUJEETH KUMAR K
54	U15CS218	SWARNA LAKSHMI PRIYANKA
55	U15CS219	TAGORE S
56	U15CS220	TAKKELLA AJITH CHOWDARY
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HOD HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research Beelared as Deemed to be University U/S 3 Of UGC Act, 1950, Chennal - 600 073, INDIA

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Acad	lemic Yea	r	2015-2	2016						
Term										
Cour	se Numb	er								
Cour	se Title		Micro	soft Wind	lows Ap	plication				
Num	ber of Cr	edits								
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					40	-00	60-8		80-100	-
2.	Numbe	er of hours per wee	ek spent o	n the cour	rse (Othe	er than lect	ire hours)			
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3.		ation for the cours								
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	(ii)	Has adequate price						no		
	(iii)	Had to pickup rel				h concurren	t study	no		
	(iv)	Have no exposure	e to the ba	ckground r	material			yes		
4.	The ex	nestations for tabi						0		
r.	(a)	pectations for taki								
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	(0) (c)	Get exposed to a relevant subject								
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1000	it the Ins	tructor: Informat	ion on the	Responde						
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		ant of the Subject	re			_				
2. 3.		of expression			<					
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4. 5.		f preparation			\leq					
5. 6.		f interaction								
o. 7.		bility outside the cl	a55		/					
/.	Others	(please specify				/				
A: E	xcellent	B: Ver	y Good		C: Good		D: Satisfa	ctory	E: Poor]
		L]						HEAD		DEPARTM

Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Declared as Deemed to be University UIS 3 Of UGC Act, 1955) Chennal - 609 973, INDIA

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/ ICuu	emic Year		2015-2016						
Term									
	e Number								
	e Title		Microsoft V	Windows App	lication				
	per of Crea								
Туре	of Course	Regular		Elective			Add-on		/
1.	Informa	tion on the Respond	dent: (Tick ((√) Appropriat	ely)				
1.	Percenta	age of classes attend	led						
	0-20	20-	40	40-	60	60-80		80-100	
2.	Number	of hours per week	anant on the	oourse (Other	r than lectu	re hours)			
. .	0-2	2-4		4-6		6-8	1	8-10	
	0-2	2-4		4-0		0-0			1
3.	Prepara	tion for the course	by the stude	ent:					
	(i)	Have done part of the	-			Ч	n		
	(ii)	Has adequate prior			5		, N		
	(iii)	Had to pickup relev	-			t study	0		
	(iv)	Have no exposure to					Jer .		
	· /						91		
4.	The exp	ectations for taking	-						
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	(b)	Get exposed to a rel	levant subjec	t		y	\mathcal{N}		
	(c)	Curiosity					yes		
	(d)	Better Employment	Opportunity	,		6	lo		
	(e)	Complete Course re	equirements			y	5		
	(f)	To Improve CGPA				v	٩		
Abou	it the Inst	ructor: Information	n on the Res						
				A	В	С	Ľ		Е
1.		the Teaching/lecture							
2.	Comme	nt of the Subject		/					
3.	Clarity of	of expression		1					
4.	Level of	f preparation		/					
5.	Level of	f interaction							
6.	Accessi	bility outside the clas	SS						
•••	Others	(please specify		/					
7.	- Culture (
7.	Excellent	B: Very		C: Good		D: Satisfac		E: P	oor

HEAD OF DEPARTMENT Department Of Computer Science & Engg., Eharath 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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Ac	ademic Y	ear	2015-20	016							
Ter	m		1								
Co	urse Num	ber	1								
Course Title Microsoft Windows Application											
Nu	mber of C	Credits	1								
Ту	e of Cour	rse Regular		Elect	ive		Add-on				
I.	Inform	mation on the Respo	ndent: (Tie	ck (√) Appropr	iately)						
1.	Percentage of classes attended										
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	0-20		-40		0-00	00-80		80-100			
2.	Numb	er of hours per week	spent on	the course (Ot	her than le	cture hours)					
	0-2	2-	4	4	-6	6-8		8-10			
	1				I						
3.		ration for the course	•				~				
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	(iii)	Had to pickup relev		-	-	ent study					
	(iv)	Have no exposure t	o the back	ground material		Y	ク				
1.	The ex	pectations for taking	g the cours	se by the stude	nt are:	0					
	(a)	Enhance by skill ba				yes					
	(b)	Get exposed to a re	levant subj	vant subject							
	(c)	Curiosity									
	(d)	Better Employment	Opportuni	Opportunity 7							
	(e)	Complete Course re	quirement	juirements							
	(f)	To Improve CGPA				J.					
bo	it the Ins	tructor: Information	n on the R	espondent: (Ti	ck (√) App	ropriately)	<u>.</u>				
				A	В	С	D		Е		
	Pace of	the Teaching/lecture									
	Comme	nt of the Subject									
	Clarity of	of expression		/							
	Level of	f preparation		/	-						
		finteraction			/						
•		bility outside the class	5			1					
•	Others (please specify									
	cellent	B: Very	Good	C: Good		D: Satisfact	ory	E: Poor	. 1		
: F				/	1	1		. N	- I		

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) Chennal - 600 073. INDIA



CERTIFICATE COURSE ON MICROSOFT WINDOWS APPLICATION Introduction of the Course: 11.04.2016



Course Coordinator

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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) Chennal - 600 073. INDIA



Requisition Letter

Date:31.03.2016

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

.173, Ast

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

Respected sir

Subject: Request of Permission to conduct a value-added course on "BUILDING WEB **APPLICATIONS IN PHP"-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 "BUILDING WEB APPLICATIONS IN PHP" in our campus premises from 6.04.2016, 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 UIS 3 Of UGC Act, 1953) Chennai - 600 073. INDIA





CIRCULAR

2.04.2016

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of BUILDING WEB APPLICATIONS IN PHP** for the benefit of students. This course is scheduled from 6.04..2016 to 16.04.2016 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. Raya bhushana	Professor
2	NS. N. Prilya	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 Astro-Chennai - 600 073, INDIA

То

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CERTIFICATE COURSE ON BUILDING WEB APPLICATIONS IN PHP

Date of Introduction of the Course: 9.05.2016

COURSE SYLLABUS

1. Introduction of Web applications in PHP

To learn and analyse Web applications that use a combination of server-side scripts (PHP and ASP) to handle the storage and retrieval of the information, and client-side scripts (JavaScript and HTML) to present information to users.

2. Web applications in PHP Fundamentals -1

The web browser or client permits the users to interact with the functions of the web developed with HTML, CSS, and JavaScript.

3. Introduction to Dynamic Web Content

It is the basic structure of a web application and how a web browser interacts with a web server. We explore the Request-Response Cycle that is the basis of the Hypertext Transfer Protocol (HTTP).

4. HyperText Markup Language (HTML)

HTML cover the basics of the HyperText Markup Language (HTML) that is the markup for web pages.

5. Cascading Style Sheets (CSS)

Describes effectively, and in context with basics of cascading Style Sheets (CSS) that allow us to style the markup for web pages.

6. Installing PHP and SQL

The task is to work through the installation steps including installing a text editor, installing MAMP or XAMPP (or equivalent), creating a MySql Database, and writing a PHP program.

7. Introduction to PHP

Begins learning PHP.

8. PHP Arrays

We learn unique aspects of arrays in the PHP language.

9. PHP Functions

We look at unique aspects of functions in PHP.

10. PHP and HTML Forms

We look at how HTML forms are created and processed in the PHP language.

COURSE OBJECTIVES

Analyze the basic structure of a PHP web application and be able to install and maintain the web server, compile, and run a simple web application and learn how databases work and how to design one, as well as how to use php MyAdmin to work with MySQL.

Specifically, the course has the following objectives:

Students will learn

- 1. Understanding basic PHP programming
- 2. Learning to design and implement simple SQL databases.
- 3. To construct Web Applications that
 - Access simple databases from PHP using dynamically generated SQL.
 - Extract information from foreign websites.
 - Send email to potential users.
 - Perform access control using cookies.
- 4. To describe and evualate the mechanisms behind dynamic websites.

5.To introduce the techniques used for constructing advanced community websites.

COURSE COORDINATOR

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



CERTIFICATE COURSE ON BUILDING WEB APPLICATIONS IN PHP Date of Introduction of the Course: 09.05.2016

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

nings ure >		ne Table & Lesson plan
CLASS	DATE	TOPIC
1,	6-04-2016(FN)	1. Introduction of Web applications in PHP To learn and analyse Web applications that use a combination of side scripts (PHP and ASP) to handle the storage and retrieve information
2	7-04-2016(FN)	2. Web applications in PHP Fundamentals -1 The web browser or client permits the users to interact with the f of the web developed with HTML, CSS, and JavaScript.
3	8-04-2016 (FN)	3 Introduction to Dynamic Web Content It is the basic structure of a web application and how a web browser interacts with a web server. We explore the Request-Response C that is the basis of the Hypertext Transfer Protocol (HTTP).
4,5	9-04-2016 (FN&AN)	4. Hypertext Markup Language (HTML) HTML cover the basics of the HyperText Markup Language (HTM is the markup for web pages.
6	11-04-2016 (FN)	5 Cascading Style Sheets (CSS) Describes effectively, and in context with basics of cascading Sheets (CSS) that allow us to style the markup for web pages.
7	12-04-2016 (FN)	6. Installing PHP and SQL The task is to work through the installation steps in installing a text editor, installing MAMP or XAMPP creating a MySQL Database, and writing a PHP program Begins learning PHP
8,9	14-04-2016 (FN) & 15-04-2016 (FN)	8. PHP Arrays We learn unique aspects of arrays in the PHP language
10	16-04-2016 (FN)	9. PHP Functions We look at unique aspects of functions in PHP.



HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT Department Of Computer Science & Engg., Bharath Institute Of Higher Education & Research (Doclared as Deemed to be University CIS 3 Of UGC Act, 1955) Chennai - 600 073. INDIA



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BUILDING WEB APPLICATIONS IN PHP

DATE OF INTRODUCTION:09-05-2016

STUDENT NAME LIST

S. No	REG.NO	NAME OF THECANDIDATE
1	U15CS001	ABHIJEET KUMAR
2	U15CS002	ABHIJIT KUMARGUPTA
3	U15CS003	ABHISHEK KUMARSINGH
4	U15CS004	ALLU SAI SIVA PRIYANKA NAIDU
5	U15CS005	AMBIKE KUMARSINGH
6	U15CS006	ANBUMANI S
7	U15CS007	ANJAR ALI
8	U15CS008	ANKAM MANJUNATH
9	U15CS009	ANNADI DHANUSH
10	U15CS010	ANNAVARAPU DIVYA
11	U15CS011	ANUMOLU YESWANTH
12	U15CS012	ARAVAPALLI SIVAVINAYA
13	U15CS013	ARAVINDHAN K R
14	U15CS014	ARVIND KUMARYADAV
15	U15CS015	ARYAN SAHU
16	U15CS016	ASHISH AGARWAL
17	U15CS017	ASHISH RANJAN
18	U15CS018	ATTANTI RAVIKANTH
19	U15CS019	BANAVATH SUNIL NAIK
20	U15CS020	BANDARU RAMESH
21	U15CS021	BATTA SIVA PRASAD
22	U15CS022	BHARATH K
23	U15CS023	BHARATHI V
24	U15CS024	BIKKI KUMAR SHA
25	U15CS025	BINGEWAR SAISHARAN
26	U15CS026	BIRADAVOLUSUCHARITHA

	U15CS027	BODA AKHIL WESLEY
27	U15CS028	BONALA SRIDHAR RAO
28	U15CS029	BRYAN STEVEPUSHPARAJ I
29	U15CS030	CHAKKA KSHITHIJA
30	01505050	CHAMARTHI
31	U15CS031	LAKSHMI NARAYANAAVINASH
32	U15CS032	CHANDRA KANTCHOUDHARY
33	U15CS033	CHAPPIDI LAKSHMIKANTH REDDY
34	U15CS034	CHIDIPOTHU PRATHYUSHA
	U15CS035	CHINTAGINJALA VENKATA SRI SAISRAVYA
35		
36	U15CS036	CHOWDHARY PRASANNA KUMAR
37	U15CS037	CHUNDI VENKATA SESHASAI RAMANAPATANJALI
38	U15CS038	CILLA SAI KISHORE
39	U15CS039	D N S HRUDAYBHARADWAJ
40	U15CS040	DADAM CHAITHRA
41	U15CS041	DEEPAK KUMAR SINGH
42	U15CS042	DILLIGANESH V
43	U15CS043	DIVAKAR M
44	U15CS044	DIVYA VANI T
45	U15CS045	DODDI PUJITHA
46	U15CS046	DOOLIGANTI AKHILREDDY
47	U15CS047	DUPUGUNTLA BHANU SIVA KASINADH
48	U15CS048	GANDLUR REDDYGREESHMA
49	U15CS049	GANESH BAG
50	U15CS050	GANGARAJU RAHUL
51	U15CS051	GANGARAPU UKESH
52	U15CS052	GANGU BHAGYA

N.Pr) COURSE COORDINATOR

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ade	mic Year		2015-201	6								
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ours	e Number	r					- i DI ID					
ours	se Title		BUILDI	NG WEB A	PPLICA	TIONS	IN PHP					
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ί.	Inform	ation on the Respon	ndent: (Tic	k (√) Approp	priately)							
1.		tage of classes atten)-40		40-60		60-80		80-100			
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2.	Numbe	er of hours per weel	k spent on t	the course (C	Other that	n lecture	e hours)		0.10			
2.	0-2		-4		4-6		6-8		8-10			
3.	Prepar	ation for the course						100				
	(i)	Have done part of						Yes_				
	(ii)	Has adequate prio	r exposure 1	to the prerequ	lisites	nourrent	study	Yes				
	(iii)			ant additional topics through concurrent study Yes								
	(iv)	Have no exposure to the background material γe^s										
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4.	The expectations for taking the course by the student are:(a)Enhance by skill base in the area of specializationsN O											
	(a) (b)	Get exposed to a						No				
	(0) (c)	Curiosity		No								
	(d)	Better Employme	nt Opportu	nity				ye				
	(u) (e)	Complete Course						N				
	(f)	To Improve CGP						r	6			
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	out the m			A		В	C	I)	Е		
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6.		s (please specify	ry Good		Good		D: Satisf			Poor		

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	lemic Yea	r	2015-2016								
ern	1										
Cou	rse Numb	er									
Cou	rse Title		BUILDIN	G WEB APP	PLICATION	NS IN PHP			1		
Nun	nber of C	redits					Add-on				
Гур	e of Cour	se Regular		Electi	ve		Alde on				
					4-1-2						
I.	Inform	nation on the Resp	ondent: (Tick	(√) Appropri	ately)						
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2.	Numb	er of hours per we	ek spent on th	e course (Oth	her than lect	ure hours)		8-10			
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	1										
3.		ration for the cour					. Yes				
	(i)	Have done part of			tes						
	(ii)	Has adequate prior exposure to the prerequisites No									
	(iii)	Had to pickup relevant additional topics through concurrent study									
	(iv)	Have no exposure to the background material									
4.	Thee	vnectations for tal	ing the course	e by the stude	nt are:						
ч.	(a)	expectations for taking the course by the student are: Enhance by skill base in the area of specializations									
	(b)	Get exposed to a relevant subject Yes									
	(c)	Curiosity NO									
	(d)	Better Employm	ent Opportunit	ty			yes				
	(e)	Complete Cours					NO				
	(f)	To Improve CGPA									
Ab	out the In	structor: Informa	tion on the Re	spondent: (T	ick (√) Appr	opriately)					
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3.	1	y of expression		\checkmark							
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6.	Acces	sibility outside the	class	\checkmark							
7.	Other	s (please specify					Ì				
		/				D: Satisfa	ctory	E: Po	oor		
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A:	Excellent										

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Acade	emic Year	r	2015-2010	5						
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	se Numbe									
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_	ber of Cro	adita	Deileza						1	
				Elect	ive		Add-on			
ype	of Cours	e Regula								
	Inform	etion on the Respon	dent: (Tick	(√) Appropr	iately)					
	Information on the Respondent: (Tick (1) Appropriately)									
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			4 4		har than lee	ture hours)		-		
2.		er of hours per week			1-6	6-8		8-10		
	0-2	2-	4	-						
3.	Prenar	ation for the course	by the stud	lent:						
•	(i)	Have done part of t				No)			
	(i) (ii)				ites					
	(ii)	Has adequate prior exposure to the prerequisites No Had to pickup relevant additional topics through concurrent study Yes								
	(iv)									
ł.	The ex	pectations for takin								
	(a)									
	(b)	Get exposed to a re	elevant subj	ect			cs			
	(c)	Curiosity	Yes							
	(d)	Better Employmen	t Opportuni	ty		r	SO			
	(e)	Complete Course r	equirements	5			NO			
	(f)	To Improve CGPA					20			
Abo	ut the Ins	structor: Informatio	n on the Re	espondent: (T	ick (√) App					
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1.	Pace of	f the Teaching/lecture	;	~						
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4.	Level o	of preparation		\checkmark						
5.	Level o	of interaction		\checkmark						
6.	Access	ibility outside the cla	SS							
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7.	xcellent	B: Very		C: Goo		D: Satisfa		E: Po		

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Bhatath UNIVERSITY

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH (Declared as Deemed-to-be-University, u/s 3 of the UGC Act, 1956)

CERTIFICATE OF PARTICIPATION



Ms.BHARATHI.V

APPLICATIONS IN PHP "conducted by School of Computing, BIHER For actively participating in the value added course "BUILDING WEB

from 6-4-2016 to 16-4-2016.



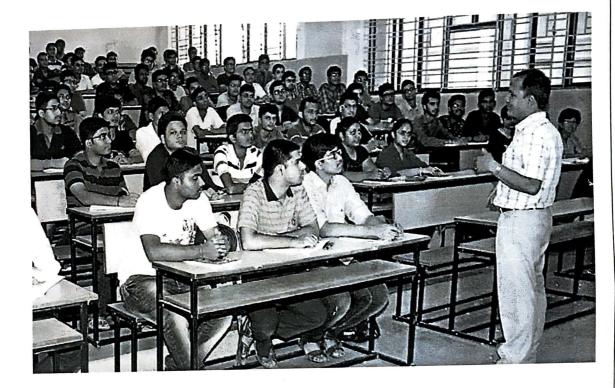
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Head of the D

Course Coordinator

CERTIFICATE COURSE ON BUILDING WEB APPLICATIONS IN PHP

Introduction of the Course: 9.05.2016



5 **Course Coordinator**

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Head of the Department

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



No.373, Agharam Road, Selaiyur, Chennel , T.N. - 400 073.

Requisition Letter

Date:31.03.2016

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 "RECENT TRENDS IN BIG DATA ANALYTICS"-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 "RECENT TRENDS IN BIG DATA ANALYTICS" in our campus premises from 6.04.2016, 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.

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





CIRCULAR

2.04.2016

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of RECENT TRENDS IN BIG DATA ANALYTICS** for the benefit of students. This course is scheduled from 6.04.2016 to 17.04.2016 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. Nolini	Professor
2	Ma. Soni Gowtham	Assistant Professor

Head of Department

То

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, 1955) Chennal - 600 073. INDIA



CERTIFICATE COURSE ON RECENT TRENDS IN BIG DATA ANALYTICS

Date of Introduction of the Course: 9.05.2016

COURSE SYLLABUS

1. Introduction to Big data

To learn and analyse Big Data which is a collection of data that is huge in volume, yet growing exponentially with time.

2. Understanding Big Data Storage

Demonstrates a conceptual understanding of collection and management of large datasets.

3. Introduction to HDFS Architecture

HDFS is a distributed file system that handles large data sets running on commodity hardware.

4. Map Reduce Programming Model

Map Reduce is a programming model for processing large data sets with a parallel, distributed algorithm on a cluster. Introduction to Map Reduce Programming Model.

5. Advanced Analytical Theory and Methods

Describes effectively, and in context with Advanced analytic techniques include those such as data/text mining, machine learning, pattern matching, forecasting, visualization, semantic analysis, sentiment analysis, network and cluster analysis, multivariate statistics, graph analysis, simulation, complex event processing, neural networks.

6. Overview of Clustering and Classification

Understanding clustering and classification techniques.

7. Association rules

Association rule mining, at a basic level, involves the use of machine learning models to analyze data for patterns, or co-occurrences, in a database.

8. Introduction to Recommendation system

A recommender system is a type of information filtering system.

9. Introduction to Stream concepts

Big data streaming is a process in which big data is quickly processed in order to extract real-time insights from it.

10. NOSQL DATA MANAGEMENT FORBIGDATA

NoSQL is a better choice for businesses whose data workloads are more geared toward the rapid processing and analyzing of vast amounts of varied and unstructured data, aka Big Data

11. Visualization

Data visualization is the graphical representation of information and data

COURSE OBJECTIVES

To learn and analyse and visualize the process of inspecting, cleansing, transforming, and modelling data with the goal of discovering useful information, informing conclusions, and supporting decision-making.

Specifically, the course has the following objectives:

Students will learn

- 1. To study the basic technologies that forms the foundations of Big Data.
- 2. To study the programming aspects of cloud computing with a view to rapid prototyping of complex applications.
- 3. To understand the specialized aspects of big data including big data application, and big dataanalytics.
- 4. To study different types Case studies on the current research and applications of the Hadoop and big data in industry.

COURSE COORDINATOR

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CERTIFICATE COURSE ON RECENT TRENDS IN BIG DATA ANALYTICS

Date of Introduction of the Course: 09.05.2016

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

<u>Time Table & Lesson plan</u>

CLASS	DATE	ΤΟΡΙϹ
1	6-04-2016(FN)	1.Introduction to Big data To learn and analyse Big Data which is a collection of data that is huge in volume, yet growing exponentially with time.
2	7-04-2016 (FN)	2. Understanding Big Data Storage Demonstrates a conceptual understanding of collectionand management of large datasets.
3	8-04-2016 (FN)	3. Introduction to HDFS Architecture is a distributed file system that handles large datasets running on commodity hardware.
4,5	9-4-2016 (FN & AN)	4. Map Reduce Programming Model Map Reduce is a programming model for processing large data sets with a parallel, distributed algorithm on a cluster. Introduction to Map Reduce Programming Model.
6	11-04-2016 (FN)	5. Advanced Analytical Theory and Methods Describes effectively, and in context with Advanced analytic techniques include those such as data/text mining, machine ext
7	12-04-2016 (FN)	6. Overview of Clustering and Classification . Understanding clustering and classification

8	13-04-2016 (FN)	7. Association rules Association rule mining, at a basic level, involves the use of machine learning models to analyze data for patterns, or co-occurrences, in a database.
9	14-04-2016 (FN)	8. Introduction to Recommendation system A recommender system is a type of information filtering system.
10	15-04-2016 (FN)	9. Introduction to Stream concepts Big data streaming is a process in which big data is quickly processed in order to extract real-time insights from it
11, 12	16-04-2016 (FN & AN)	10. NOSQL DATA MANAGEMENT FORBIGDATA NoSQL is a better choice for businesses whose data workloads are more geared toward the rapid processing and analyzing of vast amounts of varied and unstructured data, aka Big Data.
13.	18-04-2016 (AN)	11.Visualization Data visualization is the graphical representation of information and data

Sich - 1 **COURSE COORDINATOR**

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Checkenet Constitute 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 4" July 2002)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RECENT TRENDS IN BIG DATA ANALYTICS

		B.Tech Computer Science and Engineering (2015-2016)
S. No	REG.NO	NAME OF THE CANDIDATE
1	U15CS001	ABHIJEET KUMAR
2	U15CS002	ABHIJIT KUMAR GUPTA
3	U15CS003	ABHISHEK KUMAR SINGH
4	U15CS004	ALLU SAI SIVA PRIYANKA NAIDU
5	U15CS005	AMBIKE KUMAR SINGH
6	U15CS006	ANBUMANI S
7	U15CS007	ANJAR ALI
8	U15CS008	ANKAM MANJUNATH
9	U15CS009	ANNADI DHANUSH
10	U15CS010	ANNAVARAPU DIVYA
11	U15CS011	ANUMOLU YESWANTH
12	U15CS012	ARAVAPALLI SIVA VINAYA
13	U15CS013	ARAVINDHAN K R
14	U15CS014	ARVIND KUMAR YADAV
15	U15CS015	ARYAN SAHU
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17	U15CS017	ASHISH RANJAN
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19	U15CS019	BANAVATH SUNIL NAIK
20	U15CS020	BANDARU RAMESH
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22	U15CS022	BHARATH K
23	U15CS023	BHARATHI V
24	U15CS024	BIKKI KUMAR SHA
25	U15CS025	BINGEWAR
26	U15CS026	BIRADAVOLU SUCHARITHA
27	U15CS027	BODA AKHIL WESLEY
28	U15CS028	BONALA SRIDHAR RAO
29	U15CS029	BRYAN STEVE PUSHPARAJ I
30	U15CS030	CHAKKA KSHITHIJA

31	U15CS031	CHAMARTHI LAKSHMI NARAYANA AVINASH
32	U15CS032	CHANDRA KANT CHOUDHARY
33	U15CS033	CHAPPIDI LAKSHMIKANTH REDDY
34	U15CS034	CHIDIPOTHU PRATHYUSHA
35	U15CS035	CHINTAGINJALA VENKATA SRI SAI SRAVYA
36	U15CS036	CHOWDHARY PRASANNA KUMAR
37	U15CS037	CHUNDI VENKATA SESHASAI RAMANAPATANJALI
38	U15CS038	CILLA SAI KISHORE
39	U15CS039	D N S HRUDAY BHARADWAJ
40	U15CS040	DADAM CHAITHRA
41	U15CS041	DEEPAK KUMAR SINGH
42	U15CS042	DILLIGANESH V.
43	U15CS043	DIVAKAR M
44	U15CS044	DIVYA VANI T
45	U15CS045	DODDI PUJITHA
46	U15CS046	DOOLIGANTI AKHIL REDDY

COURSE CO-ORDINATOR

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Acad	lemic Yea	r	2015-201	6						
Term	1									
Cour	se Numb	er								
Cour	rse Title		Recent 7	Trends In Bi	g Data Ana	lytics				
Num	ber of Cr	edits								
Гуре	of Cours	e Regular		Elect	ive		Add-on		/	
	Inform	ation on the Res	pondent: (Tic	k (√) Approp	riately)					
١.		Percentage of	of classes atten	ded						
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	Numbe	or of hours per u	coli spont on t	h						
•	0-2	er of hours per w	2-4							
-	02		2-4		1-6	6-8		8-10		
	Prepar	ation for the cou	rse by the stu	dent:						
	(i)	Have done part	of this course e	earlier	No					
	(ii)	Has adequate p	rior exposure to	the prerequis						
	(iii) Had to pickup relevant additional topics through concurrent study Les									
	(iv) Have no exposure to the background material No									
•	The expectations for taking the course by the student are:									
	(a) Enhance by skill base in the area of specializations									
		b) Get exposed to a relevant subject Yes								
	(c)	Curiosity			4					
	(d) (e)	Better Employn		-	4	es				
		Complete Cours		5		lon				
hou	(f)	To Improve CG		1	L	les				
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		Level of preparation		~						
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		bility outside the	class	~						
	Others (please specify		~						
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Acad	emic Year		2015-2	016									
Term													
Cours	se Numbe	7											
Course Title			Recen	Recent Trends In Big Data Analytics									
Num	ber of Cre	dits											
Туре	of Course	Regular		Elective				Add-on			V		
			1										
I.	Inform	ation on the Resp	ondent: (T	Tick (√) /	Appropri	ately)							
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2.	Numbe	r of hours per we	ek spent o	n the co	urse (Oth	er than lec	ture hours)						
	0-2		2-4		4-		6-8			8-10			
						<u> </u>							
3.	Prepara	Preparation for the course by the student:											
	(i)	Have done part of	of this cours	se earlier	7		No						
	(ii)	Has adequate pri	or exposure	e to the p	orerequisit	es	Yes						
	(iii)	16											
	(iv) Have no exposure to the background material												
I .	The expectations for taking the course by the student are:												
	(a) Enhance by skill base in the area of specializations \mathcal{Y}_{es}												
	(b)	105											
	(c)	Yer											
	(d)	Better Employm	ent Opport	unity			Yes						
	(e)	Complete Course	e requireme	ents			Yes						
	(f)	To Improve CGI	PA				Yes			•			
Abou	ut the Ins	tructor: Informa	tion on the	Respor	ndent: (Ti	ck (√) App	L L						
						B	С		D		E		
۱.		the Teaching/lect	ure										
2.		nt of the Subject			1								
3.		of expression				~							
4.		f preparation			~								
5.		finteraction			~	1							
6.		bility outside the o	class										
7.	Others	please specify				~							
A: E	xcellent	B: Ve	ery Good		C: Good	1	D: Satisf	actory	6	E: Poor	1		
			-						1				

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cade	mic Year		2015-2016									
rm												
	e Number											
	e Title		Recent Tre	nds In Big Data	Analytics							
	er of Cre	dita			•							
				Elective		A	dd-on	n				
ype	of Course	Regular										
	Inform	ation on the Respon	ndent: (Tick (√) Appropriately	i)							
		Percentage of classes attended										
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				(Other t	han lecture	hours)						
2.		r of hours per wee		4-6		6-8	~	8-10				
	0-2	2	-4	4-0								
	Prepar	ation for the cours	e by the stude	ent:								
3.	(i)	Have done part of			N	0						
	(ii)	Has adequate prior exposure to the prerequisites										
	(iii)	Had to pickup relevant additional topics through concurrent study No										
	(iii) (iv)	Have no exposure to the background material Yes										
4.	The ex	The expectations for taking the course by the student are:										
	(a)	Enhance by skill base in the area of specializations										
	(b)	Get exposed to a relevant subject Yes										
	(c)	Curiosity				NG						
	(d)	Better Employme				Yes						
	(e)	Complete Course requirements Yes										
	(f)	To Improve CGPA Yes Instructor: Information on the Respondent: (Tick ($$) Appropriately)										
Abo	out the Ir	structor: Informa	tion on the Re	espondent: (Tick	(V) Approp	C		D	Ē			
					В				_			
1.	Pace	of the Teaching/lectu	ıre									
2.		nent of the Subject		~								
3.	Clarit	y of expression		V								
4.	Level	of preparation		4								
5.		of interaction										
6.	Acce	ssibility outside the	class									
7.		rs (please specify										
								1				



CERTIFICATE COURSE ON RECENT TRENDS IN BIG DATA ANALYTICS Introduction of the Course: 9.05.2016



Sui Sui 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) Chennal - 600 073, INDIA