



Bharath

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

Requisition letter

Date: 18.02.2021

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 Cloud Application” (online) -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 22.02.2021, students would be participating in this course. We request you kindly to give permission to organize this event.

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

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

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

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



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CIRCULAR

20.02.2021


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 22.02.2021 to 03.03.2021. 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. Rajabashem	Professor
2	Mr. R. Sridhar	Assistant Professor

To

Copy to CSE

Copy to IT


Head of Department
Department of Computer Science & Engg.,
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CERTIFICATE COURSE ON MICROSOFT CLOUD APPLICATION

Date of Introduction of the Course: 07.03.2021

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, SimpleDB 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.



COURSE COORDINATOR



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CERTIFICATE COURSE ON MICROSOFT COLUD APPLICATION

Date of Introduction of the Course: 07.03.2021

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	22-02-2021(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	23-02-2021 (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	24-02-2021(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	25-02-2021(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	26-02-2021(FN)	5. Amazon's AWS Identity Management and Security in the Cloud
6,7	27-02-2021 (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	29-02-2021(FN)	8. Amazon's Messaging in the Cloud We will review details of AWS Simple Notification and Simple Queuing Service.
9	01-03-2021 (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	02-03-2021 (FN)	10. Elastic Load Balancing and Auto Scaling Allow automation of resource manipulation
11	03-03-2021 (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	03-03-2021 (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. Sridhar

COURSE COORDINATOR

[Handwritten Signature]

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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING		
Microsoft Cloud Application		
B.Tech Computer Science and Engineering(2020-2021)		
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. Srikanth

COURSE CO-ORDINATOR


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

COURSE FEEDBACK FORM

Academic Year		2020-2021					
Term							
Course Number							
Course Title		Microsoft Cloud Application					
Number of Credits							
Type of Course	Regular		Elective		Add-on	✓	
I. Information on the Respondent: (Tick (✓) Appropriately)							
1. Percentage of classes attended							
0-20		20-40		40-60		60-80	80-100 ✓
2. Number of hours per week spent on the course (Other than lecture hours)							
0-2		2-4		4-6		6-8 ✓	8-10
3. Preparation for the course by the student:							
(i)	Have done part of this course earlier						No
(ii)	Has adequate prior exposure to the prerequisites						Yes
(iii)	Had to pickup relevant additional topics through concurrent study						Yes
(iv)	Have no exposure to the background material						No
4. The expectations for taking the course by the student are:							
(a)	Enhance by skill base in the area of specializations						Yes
(b)	Get exposed to a relevant subject						Yes
(c)	Curiosity						Yes
(d)	Better Employment Opportunity						Yes
(e)	Complete Course requirements						Yes
(f)	To Improve CGPA						Yes
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)							
		A	B	C	D	E	
1.	Pace of the Teaching/lecture	✓					
2.	Comment of the Subject		✓				
3.	Clarity of expression		✓				
4.	Level of preparation		✓				
5.	Level of interaction	✓					
6.	Accessibility outside the class	✓					
7.	Others (please specify)	✓					
A: Excellent		B: Very Good		C: Good ✓		D: Satisfactory	
						E: Poor	

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0-20		20-40		40-60		60-80	80-100 <input checked="" type="checkbox"/>		
2. Number of hours per week spent on the course (Other than lecture hours)									
0-2		2-4		4-6		6-8 <input checked="" type="checkbox"/>	8-10		
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier						No No		
(ii)	Has adequate prior exposure to the prerequisites						No		
(iii)	Had to pickup relevant additional topics through concurrent study						Yes		
(iv)	Have no exposure to the background material						No		
4. The expectations for taking the course by the student are:									
(a)	Enhance by skill base in the area of specializations						Yes		
(b)	Get exposed to a relevant subject						No		
(c)	Curiosity						Yes		
(d)	Better Employment Opportunity						Yes		
(e)	Complete Course requirements						Yes		
(f)	To Improve CGPA						Yes		
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)									
		A	B	C	D	E			
1.	Pace of the Teaching/lecture	<input checked="" type="checkbox"/>							
2.	Content of the Subject	-	<input checked="" type="checkbox"/>						
3.	Clarity of expression	<input checked="" type="checkbox"/>							
4.	Level of preparation		<input checked="" type="checkbox"/>						
5.	Level of interaction	<input checked="" type="checkbox"/>							
6.	Accessibility outside the class	<input checked="" type="checkbox"/>							
7.	Others (please specify)	<input checked="" type="checkbox"/>							
A: Excellent		B: Very Good <input checked="" type="checkbox"/>		C: Good		D: Satisfactory		E: Poor	


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0-2		2-4		4-6		6-8		8-10	<input checked="" type="checkbox"/>				
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(d)	Better Employment Opportunity						No						
(e)	Complete Course requirements						Yes						
(f)	To Improve CGPA						Yes						
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)													
		A	B	C	D	E							
1.	Pace of the Teaching/lecture	<input checked="" type="checkbox"/>											
2.	Content of the Subject		<input checked="" type="checkbox"/>										
3.	Clarity of expression	<input checked="" type="checkbox"/>											
4.	Level of preparation	<input checked="" type="checkbox"/>											
5.	Level of interaction		<input checked="" type="checkbox"/>										
6.	Accessibility outside the class	<input checked="" type="checkbox"/>											
7.	Others (please specify)	<input checked="" type="checkbox"/>											
A: Excellent		<input checked="" type="checkbox"/>	B: Very Good			C: Good			D: Satisfactory			E: Poor	


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Bharath UNIVERSITY

பாரத பல்கலைக்கழகம்

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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CERTIFICATE OF PARTICIPATION



MR.DINESH REDDY

For actively participating in the value added course "**Microsoft Cloud Application**" Conducted by School of Computing, BIHER
from 22.02.2021 to 03.03.2021 .

R. Sridhar

Course Coordinator

[Signature]

Head of the Department

[Signature]

Director