



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



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

Requisition Letter

Date:02.03.2021

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

Subject: Request of Permission to conduct a value-added course on "**Certificate Course on CRS Amadeus**" (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 on "**Certificate Course on CRS Amadeus**" in our campus premises on **14.03.2021**, 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) and Saturday (FN&AN).

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


HOD

HEAD OF DEPARTMENT



Bharath

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CIRCULAR

10.03.2021

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 14.03.2021 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

To

Copy to CSE

Copy to IT

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



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CERTIFICATE COURSE ON ON CRS AMADEUS

Date of Introduction of the Course: 28.03.2021

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

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CERTIFICATE COURSE ON CRS AMADEUS

Date of Introduction of the Course: 28.03.2021

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,	14.3.2021	1. Mathematical Basics 1 Introduction to Machine Learning, Linear Algebra
2	15.3.2021	2. Mathematical Basics 2 Describes about Probability and its basic
3	16.3.2021	3. Computational Basics Explains Numerical computation and optimization, Introduction to Machine Learning packages
4	17.3.2021	4. Linear and Logistic Regression Describes about Bias/Variance Tradeo, Regularization, Variants of Gradient Descent, MLE, MAP, Applications
5	18.3.2021	5. Neural Networks Describes about Multilayer Perceptron, Backpropagation, Applications
6	19.3.2021	6. Convolutional Neural Networks 1 Explains CNN Operations, CNN architectures
7	21.3.2021	7. Convolutional Neural Networks 2 Explains Training, Transfer Learning, Applications
8	22.3.2021	8. Recurrent Neural Networks Explains RNN, LSTM, GRU, Applications
9	23.3.2021	9. Classical Techniques 1 Describes about Bayesian Regression, Binary Trees, Random Forests, SVM, Naïve Bayes, Applications

Course Coordinator

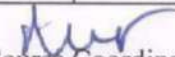
HOD

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.,
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Chennai - 600 073, INDIA

COURSE FEEDBACK FORM

Academic Year	2020-2021				
Term					
Course Number					
Course Title	Certificate Course on CRS Amadeus				
Number of Credits					
Type of Course	Regular		Elective		Add-on <input checked="" type="checkbox"/>

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

1. Percentage of classes attended

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

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

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


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

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

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

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

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

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Term					
Course Number					
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(d)	Better Employment Opportunity	no
(e)	Complete Course requirements	no
(f)	To Improve CGPA	yes

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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"/>	<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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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

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



CERTIFICATE OF PARTICIPATION



Mr. GANGARAPU UKESH

For actively participating in the value added course “Certificate Course on CRS Amadeus” Conducted by School of Computing, BIHER from 14.03.2021.

Course Coordinator

Head of the Department

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Department Of Computer Science & Engg.,
Bharath Institute Of Higher Education & Research
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Director