



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



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

Requisition Letter

Date: 05.08.2021

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 “**C#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 “**C#Programming**” -Reg in our campus premises on **08.08.2021**, students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: **CSE Smart Room**

Timing: 2:00 PM to 4:00 PM

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
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Chennai-600 073. INDIA

DEAN ENGINEERING



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CIRCULAR

05.08.2021

The School of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **C# Programming** for the benefit of II, III and IV year students. This course is scheduled from 08.08.2021 for 20hours which includes theory and practical. The timings are 2:00 PM to 4:00 PM

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	R.MuthuVenkataKrishnan	Assistant Professor
2	S.Sangeetha	AssistantProfessor

Head of Department

To

Copy to CSE

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Department of Computer Science & Engg.,
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CERTIFICATE COURSE ON C# PROGRAMMING

Date of Introduction of the Course: 08.08.2021

COURSE SYLLABUS

01. Introducing C#

Introducing C#, Understanding .NET, overview of C#, Literals, Variables, Data Types.

02. Operators

Operators, checked and unchecked operators, Expressions, Branching, Looping, Methods, implicit and explicit casting.

03. Array in C#

Constant, Arrays, Array Class, Array List, String, String Builder, Structure, Enumerations, boxing and unboxing.

04. Class and Objects in C#

Class, Objects, Constructors and its types, inheritance, properties, indexers, index overloading.

05. Polymorphism using C#.

Polymorphism, sealed class and methods, interface, abstract class, abstract and interface, operator overloading.

06. String Manipulator.

Strings and Regular Expressions – Generics – Collections – Memory Management.

07. Pointers in C#.

Pointers – Errors and Exceptions – Reflection.

08. C# in Advanced Features.

Delegates – Lambdas – Lambda Expressions – Events – Event Publisher – Event Listener – Generics.

09. Window based Applications.

Window based applications – Core ASP.NET- ASP.NET Web forms -Windows Communication Foundation (WCF).

10. Web Services.

Web Services -Windows Service – Windows Workflow Foundation (WWF) – Activities – Workflows.

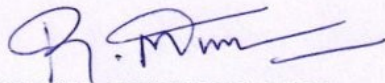
COURSE OBJECTIVES

In this course we plan to give students an overview of the field of C# Programming, and an in-depth study into its enabling technologies and main building blocks. Students will gain hands-on experience solving relevant problems through projects that will utilize existing public cloud tools. It is our objective that students will develop the skills needed to become a practitioner or carry out research projects in this domain.

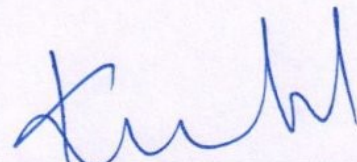
Specifically, the course has the following objectives:

Students will learn

- 1) Develop deep understanding of C# language features.
- 2) Build strong concepts of OOP's and implement the same in C#.
- 3) Create and manage strings, arrays, collections and enumerators using .NET framework library.
- 4) Perform file input and output operations - read and write data streams, serialize and de-serialize an object graph.
- 5) Build on applications using N-Tier architecture having Data, DAO and Business classes.



COURSE COORDINATOR



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CERTIFICATE COURSE ON C# PROGRAMMING

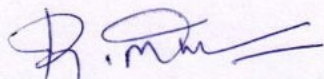
Date of Introduction of the Course: 08.08.2021

The timings are 2.00 PM to 4: PM

Time Table & Lesson plan

CLASS	DATE	TOPIC
1,2	08-08-2021(AN)	01. Introducing C# Introducing C#, Understanding .NET, overview of C#, Literals, Variables, Data Types.
3,4	03-08-2021(AN)	02. Operators Operators, checked and unchecked operators, Expressions, Branching, Looping, Methods, implicit and explicit casting.
5,6	17-08-2021(AN)	03. Array in C# Constant, Arrays, Array Class, Array List, String, String Builder, Structure, Enumerations, boxing and unboxing.
7,8	22-08-2021 (AN)	04. Class and Objects in C# Class, Objects, Constructors and its types, inheritance, properties, indexers, index overloading.
9,10	24-08-2021 (AN)	05. Polymorphism using C#. Polymorphism, sealed class and methods, interface, abstract class, abstract and interface, operator overloading.
11,12	29-08-2021 (AN)	06. String Manipulator. Strings and Regular Expressions – Generics – Collections – Memory Management.
13,14	31-08-2021 (AN)	07. Pointers in C#. Pointers – Errors and Exceptions – Reflection.
15,16	08-09-2021 (AN)	08. C# in Advanced Features. Delegates – Lambdas – Lambda Expressions – Events – Event Publisher – Event Listener – Generics.

17,18	12-09-2021 (AN)	09. Window based Applications. Window based applications – Core ASP.NET- ASP.NET Web forms -Windows Communication Foundation (WCF).
19,20	14-09-2021 (AN)	10. Web Services. Web Services -Windows Service – Windows Workflow Foundation (WWF) – Activities – Workflows.



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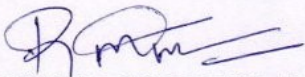
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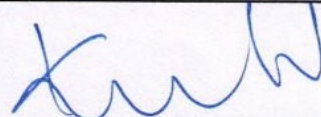
Date of Introduction of the Course: 08.08.2021

School of Computing			
Registered Students Name List			
S.NO	REG.NO	NAME OF THE STUDENT	
1	U16CS001	SANTOSH B	
2	U16CS002	APARNA V M	
3	U16CS003	NALAMOTHU SRIKANTH	
4	U16CS004	ABDUL KHADIR L	
5	U16CS006	SARAVANAN R	
6	U16CS007	SANAM NAGA VENKATA SAI KRISHNA	
7	U16CS008	CHEEMIREDDIGARI ANKITHAREDDY	
8	U16CS009	RITIK RAJ	
9	U16CS010	JOHAN KIRUBHAHAR P P	
10	U16CS011	RAVURI MOUNIKA	
11	U16CS012	FAYAZ AKIL S	
12	U16CS013	SURYA SUNDARRAJ SRIRAM	
13	U16CS014	SOMA BHARATH KUMAR	
14	U16CS015	B J JAISON	
15	U16CS016	SARAVANAKUMAR S	
16	U16CS017	VARUN KANNA A	
17	U16CS018	JUPAKA SAIVARUN	
18	U16CS019	PYDI VENKATA PRITHEESH NIHAR	
19	U16CS020	R MAHESH	
20	U16CS021	DHRUBAJYOTI MAJI	
21	U16CS024	SRIMATHI S	
22	U16CS025	SANTHOSHKUMAR S	
23	U16CS026	AJAY KUMAR R	
24	U16CS027	GARLAPATI RAGHURAM	
25	U16CS028	PADILAM JAYANTH YADAV	

26	U16CS029	MOHAMMED KHIZER HUSSAIN N	
27	U16CS030	JEEVAMEDHA M	
28	U16CS031	SYED HAFEEZ HUSSAIN	
27	U16CS030	JEEVAMEDHA M	
28	U16CS031	SYED HAFEEZ HUSSAIN	
29	U16CS032	MUGESH P	
30	U16CS033	POOJALAKSHMI N	
31	U16CS034	GUNDU NIKITHA REDDY	
34	U16CS035	RESHMA R	
32	U13CS035	RESHMA R	
33	U16CS036	LAKSHMI NARAYANAN A	
34	U16CS037	PALLE NAZEER VALI	
35	U16CS038	GOLUSULA SAI KUMAR	
36	U16CS039	PATTAN FEROZ KHAN	
37	U16CS040	MOHAMMAD AHAMAD ALIKHAN	
38	U16CS041	LAAVANYA G A	
39	U16CS042	MD NOORUL ISLAM	
40	U16CS043	RAVI KUMAR	
41	U16CS044	ADARSH BARANWAL	
42	U16CS045	RAHUL TIWARI	



COURSE COORDINAT

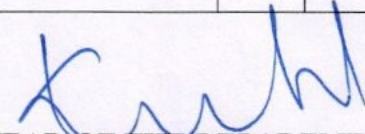


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COURSE FEEDBACK FORM

Academic Year		2021-22								
Term										
Course Number										
Course Title		C# Programming								
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								NO	
(iii)	Had to pickup relevant additional topics through concurrent study								YES	
(iv)	Have no exposure to the background material								NO	
4. The expectations for taking the course by the student are:										
(a)	Enhance by skill base in the area of specializations								YES	
(b)	Get exposed to a relevant subject								YES	
(c)	Curiosity								YES	
(d)	Better Employment Opportunity								YES	
(e)	Complete Course requirements								YES	
(f)	To Improve CGPA								YES	
About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)										
		A	B	C	D	E				
1.	Pace of the Teaching/lecture	✓								
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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COURSE FEEDBACK FORM

Academic Year		2021-22							
Term									
Course Number		—							
Course Title		C # Programming							
Number of Credits									
Type of Course	Regular		Elective		Add-on				<input checked="" type="checkbox"/>
I. Information on the Respondent: (Tick (√) Appropriately)									
1. Percentage of classes attended									
0-20		20-40		40-60		60-80	<input checked="" type="checkbox"/>	80-100	
2. Number of hours per week spent on the course (Other than lecture hours)									
0-2		2-4		4-6		6-8		8-10	<input checked="" type="checkbox"/>
3. Preparation for the course by the student:									
(i)	Have done part of this course earlier							NO	
(ii)	Has adequate prior exposure to the prerequisites							NO	
(iii)	Had to pickup relevant additional topics through concurrent study							Yes	
(iv)	Have no exposure to the background material							NO	
4. The expectations for taking the course by the student are:									
(a)	Enhance by skill base in the area of specializations							Yes	
(b)	Get exposed to a relevant subject							Yes	
(c)	Curiosity							Yes	
(d)	Better Employment Opportunity							Yes	
(e)	Complete Course requirements							Yes	
(f)	To Improve CGPA							Yes	
About the Instructor: Information on the Respondent: (Tick (√) Appropriately)									
		A	B	C	D	E			
1.	Pace of the Teaching/lecture	<input checked="" type="checkbox"/>							
2.	Comment of the Subject	<input checked="" type="checkbox"/>							
3.	Clarity of expression	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
4.	Level of preparation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
5.	Level of interaction	<input checked="" type="checkbox"/>							
6.	Accessibility outside the class		<input checked="" type="checkbox"/>						
7.	Others (please specify)								
A: Excellent		B: Very Good		C: Good		<input checked="" type="checkbox"/> D: Satisfactory		E: Poor	


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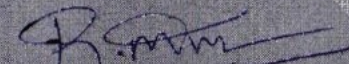
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CERTIFICATE OF PARTICIPATION

This certificate is presented to


RESHMA .R

For actively participating in the value added course **"C# PROGRAMMING"**
Conducted by School of Computing, BIHER from 08.08.2021 to 14.09.2021.


COURSE COORDINATORS


HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT
Department of Computer Science
Bharath Institute of Higher Education and Research
Bharath Nagar, Bangalore - 560076


DIRECTOR

