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

Requisition letter

Date: **18.05.2020**

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 **"Core java for android programming" (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 **"Core java for android programming"** – Reg in our campus premises on 28.05.2020 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)

DEAN ENGINEERING

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

Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
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CIRCULAR

21.05.2020

The school of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Certificate Course of CORE JAVA FOR ANDROID PROGRAMMING** for the benefit of students. This course is scheduled from 28.05.2020 to 09.06.2020 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. R. Kavitha	Assistant Professor

Head of Department

To

Copy to CSE

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

CERTIFICATE COURSE ON CORE JAVA FOR ANDROID PROGRAMMING

Date of Introduction of the Course: 02.07.2020

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

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CERTIFICATE COURSE ON CORE JAVA FOR ANDROID PROGRAMMING

Date of Introduction of the Course: 02.07.2020

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

Time Table & Lesson plan

CLASS	DATE	TOPIC
1	28-05-2020(FN)	**1. Introduction of Core Java** To learn and analyse Core java for android
2	29-05-2020 (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	30-05-2020 (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	01-06-2020 (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	02-06-2020 (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)

7	03-06-2020 (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.
8	05-06-2020 (FN)	**7. Classes and Interfaces** Provide overs Java classes and interfaces, focusing on data types, fields, methods, generic parameters, and exceptions.
9,10	06-06-2020 (FN &AN)	*8.* **Inheritance** Explains the inheritance and its view towards android programming.
11	08-06-2020 (AN)	**9. Polymorphism** Examines Java's polymorphism features (e.g., extending classes and virtual methods).
12	09-06-2020 (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).

COURSE COORDINATOR

HEAD OF THE DEPARTMENT

Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B.Tech Computer Science and Engineering

Academic year 2020-21

CORE JAVA FOR ANDROID PROGRAMMING

DATE OF INTRODUCTION: 02.07.2020

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

COURSE COORDINATOR

HOD

COURSE FEEDBACK FORM

Academic Year		2020-21				
Term						
Course Number						
Course Title		CORE JAVA FOR ANDROID 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	Yes
(iii)	Had to pickup relevant additional topics through concurrent study	yes
(iv)	Have no exposure to the background material	No

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

(a)	Enhance by skill base in the area of specializations	yes
(b)	Get exposed to a relevant subject	yes
(c)	Curiosity	yes
(d)	Better Employment Opportunity	yes
(e)	Complete Course requirements	yes
(f)	To Improve CGPA	yes

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

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

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

HEAD OF THE DEPARTMENT

COURSE FEEDBACK FORM

Academic Year		2020-21				
Term						
Course Number						
Course Title		CORE JAVA FOR ANDROID PROGRAMMING				
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(f)	To Improve CGPA	yes

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

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

HEAD OF THE DEPARTMENT

COURSE FEEDBACK FORM

Academic Year		2020-21				
Term						
Course Number						
Course Title		CORE JAVA FOR ANDROID PROGRAMMING				
Number of Credits						
Type of Course	Regular		Elective		Add-on	✓

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0-2		2-4		4-6		6-8	✓	8-10	

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

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

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

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

HEAD OF THE DEPARTMENT

HEAD OF DEPARTMENT

Bharath UNIVERSITY

பாரத் பல்கலைக்கழகம்

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

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

34 YEARS OF EXCELLENCE

CERTIFICATE OF PARTICIPATION

Ms. HEMA NARAYANAN

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

from 28-05-2020 to 09.06.2020 .

Course Coordinator | Head of the Department | **Director**