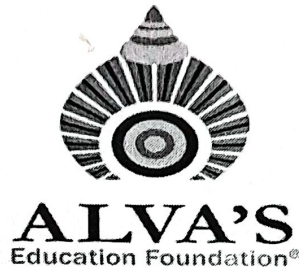


**ALVA'S INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

Shobhavana Campus, Mijar – 574225, Moodbidri.
Dakshina Kannada Karnataka, India.



Department of Computer Science and Engineering

CERTIFICATION COURSE

on

“Basics of JAVA”

ACADEMIC YEAR

2020-2021

Ref No: AIET/CS/CC/2020-2021/003

Date:

16/01/2021

Place: AIET, Moodbidri.

APPROVAL LETTER

To,

The Principal,
AIET, Moodbidri

Respected Sir,

Sub: - Approval for Organizing the Students Certification/Training Program on
"Basics of Java"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planning to host a Student Training Program/certification course on "**Basics of Java**" from "**15th February 2021 to 20th February 2021**".

Kindly consider the above request and approve the same for further proceedings.

Thanking you Sir.



Coordinator:

Mr. Venkatesh Bhat



Head of the Department:

Dr. Manjunath Kotari
H.O.D.

Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225



Principal:

PRINCIPAL

Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dated 03/02/2021

CIRCULAR

Its here by informed to all the students that department is organizing a Certification course/ Workshop on **Basics of JAVA** which will be conducted from **15th Feb 2021 to 20th Feb 2021**. Hence all 2nd year students who have registered for the course are informed to attend and actively participate in the course.

A handwritten signature in blue ink, appearing to be "Deep", with the initials "H.O.D." written below it.

Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

PROGRAMME SCHEDULE

- ❖ Invocation
- ❖ Welcome Speech
- ❖ Introducing the Chief Guest
- ❖ Honoring the Chief Guest
- ❖ Inauguration
- ❖ Presidential Speech
- ❖ Vote of Thanks



INVITATION

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI

DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING

Cordially invites you to the
Inauguration of Certification Program

On

“Basics of Java”

Resource Person: Mr. Sayeesh and Ms. Shilpa
Assistant Professor,
Dept. of CSE, AIET, Moodbidri

Guest of Honor: Mr. Vivek Alva
Managing Trustee

President: Dr. Peter Fernandes
Principal, AIET, Moodbidri.

Coordinator

Mr. Venkatesh
Assistant Professor

Head of the Department

Mr. Manjunath Kotari
Associate Professor and Head

Venue: ML Lab, Ground Floor, AIET Main Block@9.00AM

ABOUT VTU, BELAGAVI

Visvesvaraya Technological University is a collegiate public state university in Karnataka State, India. It was established by the Government of Karnataka. The university is named after **M. Visvesvaraya** from Karnataka, the only engineer to be awarded a "Bharat Ratna", the highest civilian award in India. Jnana Sangama, Belagavi is the headquarters of VTU. Additionally, the university has three regional centers in Bangalore, Gulbarga and Mysore. VTU is one of the largest universities in India with 212 colleges affiliated to it with an intake capacity of over 467,100 undergraduate students and 12,666 postgraduate students. The university encompasses technical and management fields which offer 30 undergraduate and 71 postgraduate courses. It has around 1800 PhD candidates. VTU has 13 QIP centers and 17 extension centers in its affiliated colleges offering postgraduate courses. It has around 2,305 departments recognized as research centers which are spread across its affiliated institutions in cities of Karnataka.

AIET, MOODBIDRI

Alva's Education Foundation (AEF) established in 1995 with the vision of our Chairman **Dr. M. Mohan Alva** has succeeded in making Moodbidri, an Educational hub in the South Canara Region, with more than 25000 students pursuing various courses ranging from primary school to post-graduate courses in social sciences, pure sciences, engineering and management.

Alva's Institute of Engineering and Technology, Moodbidri is a Premier Engineering Institute of Alva's Education Foundation, established in the year 2008. The college is certified to the ISO 9001: 2008 standards. The institute offers top quality education in five under graduate programs in Engineering-Computer Science, Civil, Electronics & Communications, Information Science, and Mechanical Engineering- Post Graduate programs- Master of Business Administration.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Department of Computer Science and Engineering started functioning from the year 2008, with an intake of 60 and has enhanced to 120 from academic year 2012-13. The Post Graduate course, M. Tech in Computer Science and Engineering, was introduced from the academic year 2012-13 with an intake of 18 students. Department is recognized as a research centre from VTU. Faculty members are actively involved in co-curricular and extracurricular activities with association and professional bodies like CSI/ISTE. Department of Computer Science & Engineering has always been on a high growth and path since its establishment. To keep pace with latest technologies, department has employed experienced and dedicated faculty with strong commitment towards research work. The department is dedicated to education, research and overall excellence. For skill development Department have highly equipped add-on labs like Envision lab, Innovation Lab and iOS Lab.

ABOUT JAVA COURSE

Java is a general-purpose programming language that is class-based, object-oriented, and designed to have as few implementation dependencies as possible. It is intended to let application developers write once, run anywhere meaning that compiled Java code can run on all platforms that support Java without the need for recompilation. Java applications are typically compiled to bytecode that can run on any Java virtual machine regardless of the underlying computer architecture.

VTU has introduced the course on Object oriented concepts for the BE 4th semester. Continuing with the effort of training the members, a seven days Student Training Program is organized on "Basics of Java" at AIET Moodbidri by the Department of Computer Science and Engineering.

COURSE CONTENT

1. Introduction to Java Programming
2. Features of Java Programming
3. Classes and Objects
4. Packages
5. Inheritance
6. Polymorphism
7. Abstraction
8. Multithreading
9. Applets and swings

RESOURCE PERSON

Mr. Sayeesh and Ms. Shiipa
Assistant Professor,
Dept. of CSE, AIET,
Moodbidri

PROGRAM SCHEDULE

FEBRUARY 15, 2021

Inauguration:	09:00 am to 09:30 am
Tea Break:	9:30 am to 9:45 am
Session 1:	9:45 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 2:	02:00 pm to 05:00 pm

FEBRUARY 16, 2021

Session 3:	09:00 am to 01:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 4:	02:00 pm to 05:00 pm

FEBRUARY 17, 2021

Session 5:	09:00 am to 01:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 6:	02:00 pm to 05:00 pm

FEBRUARY 18, 2021

Session 7:	09:00 am to 01:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 8:	02:00 pm to 05:00 pm

FEBRUARY 20, 2021

Session 9:	09:00 am to 01:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 10:	02:00 pm to 05:00 pm



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225



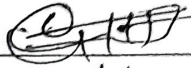

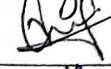
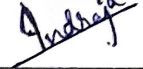
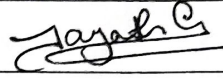
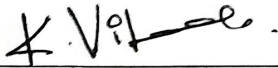
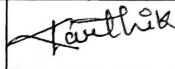
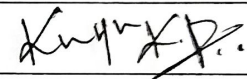
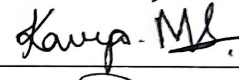

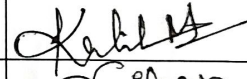
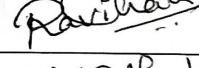
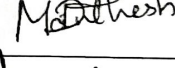
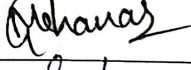

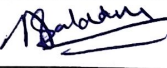

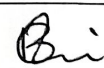


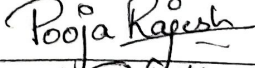


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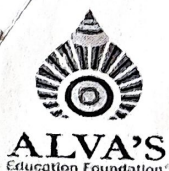
REGISTERED STUDENTS LIST

COURSE NAME: BASICS OF JAVA

Sl. No	USN	NAME	SIGNATURE
1.	4AL19CS001	Abhishek.B. K	
2.	4AL19CS002	Abhishek Gowda K	
3.	4AL19CS003	Adam M Sanadi	
4.	4AL19CS004	Adish.k	
5.	4AL19CS005	Ajay.N	
6.	4AL19CS007	Akhilesh V	
7.	4AL19CS008	Akshitha C V	
8.	4AL19CS010	Anesh Somanath Majalakar	
9.	4AL19CS011	Anooj Raj	
10.	4AL19CS012	Apoorva hosamani	
11.	4AL19CS013	Ashik H R	
12.	4AL19CS015	Ashwin Shetty	
13.	4AL19CS016	Athokpam Lolan Luwang	
14.	4AL19CS017	Athul Raj	
15.	4AL19CS018	BH Rashmi	
16.	4AL19CS020	Bhoomika m	
17.	4AL19CS025	Chinmaya Bhat K K	
18.	4AL19CS026	Chinmaya Dayananda Kamath	
19.	4AL19CS028	Darshan s	
20.	4AL19CS030	Deltus. Baselios. Paul	
21.	4AL19CS031	Divyashree Mahesh	

22.	4AL19CS032	Divyashree S K	
23.	4AL19CS034	Ganesha Shetty	
24.	4AL19CS036	Giriprasad Patil	
25.	4AL19CS037	Girish Kudlappagol	
26.	4AL19CS038	Gowda vijay puttaraju	
27.	4AL19CS039	Indraja R	
28.	4AL19CS040	Jayanth G	
29.	4AL19CS041	K.Vinay	
30.	4AL19CS042	Karthik bs	
31.	4AL19CS045	Kavya K.P.	
32.	4AL19CS046	Kavya Mahesh Sureban	
33.	4AL19CS047	Kotappa Y Gandudi	
34.	4AL19CS048	Krushika M	
35.	4AL19CS051	M Ravichandra	
36.	4AL19CS052	Mantesh h dollin	
37.	4AL19CS053	Meghana Nekar	
38.	4AL19CS055	Muhammad saqib Hassan	
39.	4AL19CS057	Natasha Saldanha	
40.	4AL19CS058	Neha	
41.	4AL19CS059	Nichenametla Bhagya Sree	
42.	4AL19CS060	Nischal M R	
43.	4AL19CS061	Pavan kumar	
44.	4AL19CS062	Pooja Rajesh Talekar	
45.	4AL19CS063	Karunakar	
46.	4AL19CS064	Prajna S P	

47.	4AL19CS065	Pranav Kalidas	<i>Pranav</i>
48.	4AL19CS067	Pratheeksha.Rao	<i>Pratheeksha Rao</i>
49.	4AL19CS069	Prinson dsouza	<i>Pi</i>
50.	4AL19CS070	Priyanka Shet	<i>Priyanka</i>
51.	4AL19CS071	Pruthviraj. D.A	<i>Pruthviraj D.A</i>
52.	4AL19CS072	Pushpitha.p	<i>Pushpitha</i>
53.	4AL19CS073	Puttaraj	<i>Puttaraj</i>
54.	4AL19CS074	Rachana C	<i>Rachana C</i>
55.	4AL19CS079	Sagar S Yadrami	<i>Sagar S</i>
56.	4AL19CS080	Sameer Shaik	<i>Sameer</i>
57.	4AL19CS082	Shameer abdul kader	<i>Shameer</i>
58.	4AL19CS083	Shamjetshabam Noren Singh	<i>Shamjetshabam</i>
59.	4AL19CS084	Shetty ashwitha shekar	<i>Shetty ashwitha</i>
60.	4AL19CS085	Shetty Sushmita rajeeva	<i>Shetty Sushmita</i>
61.	4AL19CS087	Shravana S	<i>Shravana S</i>
62.	4AL19CS089	Shreyas H	<i>Shreyas H</i>
63.	4AL19CS091	Shrunga G S	<i>Shrunga G S</i>
64.	4AL19CS092	Sindhu R	<i>Sindhu R</i>
65.	4AL19CS093	Sneha U B	<i>Sneha U B</i>
66.	4AL19CS094	Soumya Ashok Malakannavar	<i>Soumya Ashok</i>
67.	4AL19CS095	Soundarya S Siddanagoudra	<i>Soundarya S</i>
68.	4AL19CS096	Srinidhi M	<i>Srinidhi M</i>
69.	4AL19CS100	Tulasi.H.Uchila	<i>Tulasi.H.Uchila</i>
70.	4AL19CS102	V.Jahanavi	<i>V.Jahanavi</i>
71.	4AL19CS103	Vaibhav Shridhar Soorinje	<i>Vaibhav S</i>



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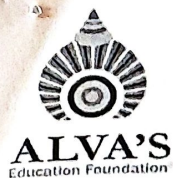
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

72.	4AL19CS104	Vaishanavi T	<i>Vaish</i>
73.	4AL19CS106	Vikas T.N	<i>Vikas</i>
74.	4AL19CS107	Vinay C T	<i>Vinay</i>
75.	4AL19CS109	Vishesh R Shetty	<i>Vishesh</i>


Signature of Coordinator


HOD

H. O. D.
Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ATTENDANCE OF CERTIFICATION COURSE ON

BASICS OF JAVA

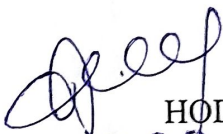
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2.	4AL19CS002	Abhishek Gowda K	1	2	3	A	4	5	6	7	8	9		
3.	4AL19CS003	Adam M Sanadi	1	2	3	A	4	5	6	7	8	9		
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5.	4AL19CS005	Ajay.N	1	2	3	4	5	6	7	8	9	10		
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7.	4AL19CS008	Akshitha C V	1	2	3	4	5	6	7	8	9	10		
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11.	4AL19CS013	Ashik H R	1	2	3	4	5	6	A	7	8	9		
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44.	4AL19CS062	Pooja Rajesh Talekar	1	2	3	4	5	6	7	8	9	10
45.	4AL19CS063	Karunakar	1	2	3	4	5	6	A	7	8	9
46.	4AL19CS064	Prajna S P	1	2	3	4	5	6	A	7	8	9

47.	4AL19CS065	Pranav Kalidas	1	2	3	4	5	6	7	8	9	10
48.	4AL19CS067	Pratheeksha.Rao	1	2	3	4	5	6	7	8	9	10
49.	4AL19CS069	Prinson dsouza	1	2	3	4	5	6	A	7	8	9
50.	4AL19CS070	Priyanka Shet	1	2	3	A	4	5	6	7	8	9
51.	4AL19CS071	Pruthviraj. D.A	1	2	3	A	4	5	6	7	8	9
52.	4AL19CS072	Pushpitha.p	1	2	3	4	5	6	7	8	9	10
53.	4AL19CS073	Puttaraj	1	2	3	4	5	6	7	8	9	10
54.	4AL19CS074	Rachana C	1	2	3	4	5	6	A	7	8	9
55.	4AL19CS079	Sagar S Yadrami	1	2	3	A	4	5	6	7	8	9
56.	4AL19CS080	Sameer Shaik	1	2	3	4	5	6	7	8	9	10
57.	4AL19CS082	Shameer abdul kader	1	2	3	4	5	6	7	8	9	10
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61.	4AL19CS087	Shravana S	1	2	3	4	5	6	A	7	8	9
62.	4AL19CS089	Shreyas H	1	2	3	4	5	6	7	8	9	10
63.	4AL19CS091	Shruniga G S	1	2	3	4	5	6	7	8	9	10
64.	4AL19CS092	Sindhu R	1	2	3	4	5	6	7	8	9	10
65.	4AL19CS093	Sneha U B	1	2	3	4	5	6	7	8	9	10
66.	4AL19CS094	Soumya Ashok Malakannavar	1	2	3	4	5	6	7	8	9	10
67.	4AL19CS095	Soundarya S Siddanagoudra	1	2	3	4	5	6	7	8	9	10
68.	4AL19CS096	Srinidhi M	1	2	3	4	5	6	7	8	9	10
69.	4AL19CS100	Tulasi.H.Uchila	1	2	3	4	5	6	7	8	9	10
70.	4AL19CS102	V.Jahanavi	1	2	3	4	5	6	7	8	9	10
71.	4AL19CS103	Vaibhav Shridhar Soorinje	1	2	3	4	5	6	7	8	9	10

72.	4AL19CS104	Vaishanavi T	1	2	3	4	5	6	7	8	9	
73.	4AL19CS106	Vikas T.N	1	2	3	4	5	6	7	8	9	10
74.	4AL19CS107	Vinay C T	1	2	3	4	5	6	7	8	9	10
75.	4AL19CS109	Vishesh R Shetty	1	2	3	4	5	6	7	8	9	10


Signature of Coordinator


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Quiz on Basics of Java

1. A process that involves recognizing and focusing on the important characteristics of a situation or object is known as:
 - (a) Encapsulation
 - (b) Polymorphism
 - (c) Abstraction
 - (d) Inheritance
2. Which statement is true regarding an object?
 - (a) An object is what classes instantiated are from
 - (b) An object is an instance of a class
 - (c) An object is a variable
 - (d) An object is a reference to an attribute
3. In object-oriented programming, composition relates to
 - (a) The use of consistent coding conventions
 - (b) The organization of components interacting to achieve a coherent, common behavior
 - (c) The use of inheritance to achieve polymorphic behavior
 - (d) The organization of components interacting not to achieve a coherent common behavior
4. In object-oriented programming, new classes can be defined by extending existing classes. This is an example of:
 - (a) Encapsulation
 - (b) Interface
 - (c) Composition
 - (d) Inheritance
5. Object-oriented inheritance models the
 - (a) "is a kind of" relationship
 - (b) "has a" relationship
 - (c) "want to be" relationship
 - (d) inheritance does not describe any kind of relationship between classes
6. The wrapping up of data and functions into a single unit is called
 - (a) Encapsulation
 - (b) Abstraction
 - (c) Data Hiding
 - (d) Polymorphism
7. Given a class named student, which of the following is a valid constructor declaration for the class?
 - (a) Student (student s) {}
 - (b) Student student () {}
 - (c) Private final student () {}
 - (d) Void student () {}
8. In Java, declaring a class abstract is useful
 - (a) To prevent developers from further extending the class
 - (b) When it doesn't make sense to have objects of that class
 - (c) When default implementations of some methods are not desirable
 - (d) To force developers to extend the class not to use its capabilities



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Quiz on Basics of Java

9. Which of these field declarations are legal within the body of an interface?
- (a) Private final static int answer = 42
 - (b) public static int answer=42
 - (c) final static answer =42
 - (d) int answer
10. What is the sequence of major events in the life of an applet?
- (a) init, start, stop, destroy
 - (b) start, init, stop, destroy
 - (c) init, start, destroy, stop
 - (d) init, start, destroy
11. How constructor can be used for a servlet?
- (a) Initialization
 - (b) Constructor function
 - (c) Initialization and Constructor function
 - (d) Setup() method
12. Which of the following code is used to get an attribute in a HTTP Session object in servlets?
- (a) session.getAttribute(String name)
 - (b) session.alterAttribute(String name)
 - (c) session.updateAttribute(String name)
 - (d) session.setAttribute(String name)
13. When destroy() method of a filter is called?
- (a) The destroy() method is called only once at the end of the life cycle of a filter
 - (b) The destroy() method is called after the filter has executed doFilter method
 - (c) The destroy() method is called only once at the beginning of the life cycle of a filter
 - (d) The destroyer() method is called after the filter has executed
14. Which of the following is true about servlets?
- (a) Servlets execute within the address space of web server
 - (b) Servlets are platform-independent because they are written in java
 - (c) Servlets can use the full functionality of the Java class libraries
 - (d) Servlets execute within the address space of web server, platform independent
15. How is the dynamic interception of requests and responses to transform the information done?
- (a) servlet container
 - (b) servlet config
 - (c) servlet context
 - (d) servlet filter



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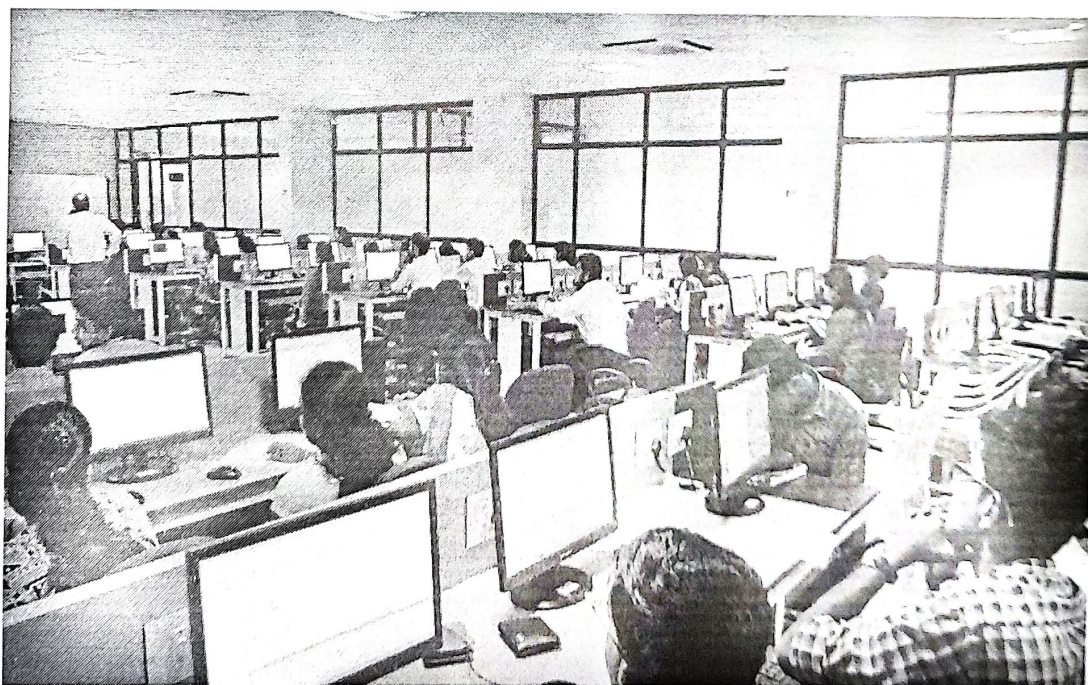
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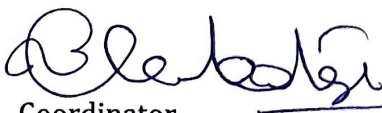
REPORT ON

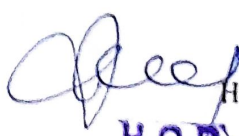
Basics of Java

Department of CSE organized a 5 days Certification Program on "Basics of Java" from 15th to 20th February, 2021. The inauguration of certification course was held on 15th February, 2021 in Engineering Seminar Hall. Mr. Manjunath Kotari, HOD CSE, Resource person Prof. Sayeesh & Ms. Shilpa, Dept. of CSE, AIET, Moodbidri, all the staff of CSE dept. were present during the inauguration. The Certification course was started with sample Java Program and students were made to make small projects every day.

The concepts covered during the sessions were features of OOP's: Inheritance, Polymorphism, Data Abstraction, Interfaces, Multithreading, Basics of Applet and Swings etc.





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The resource person explained all the concepts by using hands-on session. About 73 students of 2nd years were participated and certified during this course. At the end of the course, the resource persons evaluated a mini project assigned for group of students and certificates were distributed accordingly.




Coordinator


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Department of Computer Science & Engineering

Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2020-2021	Duration: 15 th February, 2021 to 20 th February, 2021.
Title of the Course: Basics of Java	
Resource Person: Prof. Sayeesh & Ms. Shilpa, Dept. of CSE, AIET, Moodbidri.	

Department of CSE organized a 5 days Certification Program on “Basics of Java ” from 15th February, 2021 to 20th February, 2021. Resource person Prof. Sayeesh & Ms. Shilpa, Dept. of CSE, AIET, Moodbidri. The concepts covered during the sessions were features of OOP's: Inheritance, Polymorphism, Data Abstraction, Interfaces, Multithreading, Basics of Applet and Swings etc.

About 75 students of 2nd years CSE department were benefited by the course were benefitted from this course and were able to

- Use the syntax and semantics of java programming language and basic concepts of OOP.
- Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
- Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
- Design event driven GUI and web related applications which mimic the real word scenarios.

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Alva's Institute of Engineering and Technology

(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka)



Certificate of Participation

THIS IS TO CERTIFY THAT

Abhishek Gowda K

of

Alva's Institute of Engineering and Technology

has completed five days certification course on basics of Java from February 15 2021 to February 20 2021 organized by department computer science and engineering, Alva's Institute of Engineering and Technology

Mr. Venkatesh Bhat
Co-ordinator

Dr. Manjunath Kotari
HOD, Dept. of CSE

Dr. Peter Fernandes
Principal