NARAYANA ENGINEERING COLLEGE:NELLORE

REPORT ON DEPARTMENT EVENT/ACTIVITY

Academic Year 2019-20   **Semester** II

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1	**Name of the Activity/Event**	Core and Advanced Java
2	**Date of Activity/Event**	17th to 22nd February 2020
3	**Organized by/Name of the committee**	Computer Science and Engineering Department
4	**Place of Activity /Event**	Computer Lab 2 of A Block
5	**Resource person/guest/organization**	Ms.C.Anusha , VSS Innovative Technologies, Bangalore
6	**Type of Activity/Event**	Value added course
7	**Activity/Event Overview**	Students have gained fundamental knowledge on core and advanced java topics that helps to meet the requirements of software industry.

8	**Participation & Involved By**	Involved By	Students	faculty	Total Participation
		II CSE	68	NIL	68

9	**Content Discussed**	1.Introduction to Object Oriented programming features. 2.About datatypes,Variables and Operators. 3. Database Programming with JDBC and Network Programming. 4. How to create Java Server Pages and working of Enterprise Java Beans. 5. Execution of Servlets. 6.How to develop a GUI based program using Swing. 7.Session Handling.
10	**Suggested improvements**	1.Better interaction between students and resource person is required.
11	**Enclosures**	1. List of students. 2. Signature forms. 3. Course Schedules. 4. feed back forms.

12	Photo(s)	
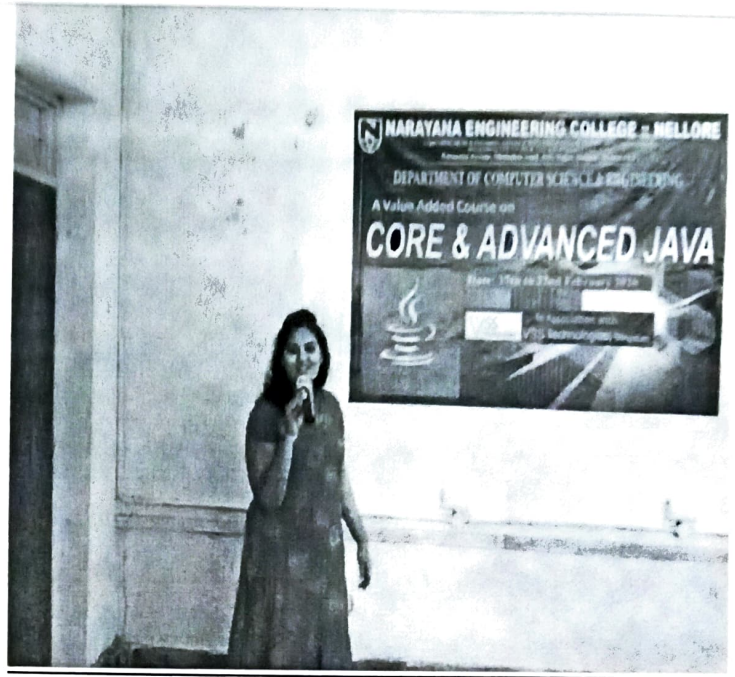
Resource person introducing about course

Resource person interacting with students

Coordinator

HOD

A value added course on **Core and Advanced Java Programmimg** was successfully conducted in the Department of Computer Science and Engineering from in association with **VSS Innovative technologies, Bangalore** from **17/02/2020 to 22/02/2020.** Ms. C. Anusha, Software Engineer from VSS Innovative technologies acted as resource person for this course.HOD of CSE, Dr. C. Rajendra welcomed all the students who are participating for the one week value added course and he inaugurated the program with his key note address. Principal Dr. G. Srinivasulu Reddy appreciated the organizing team of CSE department in his speech and emphasized the benefits of participating in this kind of skill enhancing activity.

On the first day, in the Morning session, after inauguration, Resource person Ms.C.Anusha started her discussion with introduction part of java Programming and the main features of the same. On the same day, afternoon session, Ms.C.Anusha has shared the basic concepts of Object Oriented Programming with the students with some examples and also discussed the Problem solving and programming capability on Java programming.

On the second day, Ms.C.Anusha explained about different data types, variables and operators used in java. Ms.C.Anusha also demonstrated that java is a platform for creating desktop gui applications through various means like abstract windowing toolkit,swing and javafx.etc. and also for creating Mobile Applications, Embedded Systems, Web Applications, Web Servers and Application Servers.

On the third day morning, Resource Person Ms.C.Anusha explained about configuration set up of JDBC(Java Dataabse Connectivity) and all students were made to configure and set up of JDBC and to execute some java applications. Ms.C.Anusha also explained about servlets which is a Java programming language class that is used to extend the capabilities of servers that host applications accessed by means of a request-response programming model. Real time examples were given in practical session.

On the fourth day, Ms.C.Anusha emphasized about Java Server Pages that enables the creation of dynamic, platform-independent method for building Web-based applications. Ms.C.Anusha also explained about Enterprise Java Beans (EJB) that is a development architecture for building highly scalable and robust enterprise level applications.

On the fifth day, Network Programming was explained for writing programs that communicate with other across a computer network. Ms.C.Anusha later explained about JDBC (Java Database Connectivity) is the Java's Application Programming Interface (API) for interfacing with relational databases.

By the last day of Value added course, all students have gained good knowledge on advanced concepts of java programming. Ms.C.Anusha also focussed on development of Graphical user Interfaces using Swings and also about Session management that is the process of securing multiple requests to a service from the same user or entity.

All together it is a wonderful value added course which enlightened all the students with full of knowledge on advanced java concepts. Live practice

sessions made this training program very handy. The participants expressed their wish to further continue to conduct such programs in the future also and the course was concluded with vote of thanks by co-ordinator Mr.M.Muni Raju Naidu.

CO-ORDINATOR   **HOD,CSE**