



**Date: 21/06/2024**

### **Event Report**

<b>Academic year: 2023-24</b>	<b>Semester: 4<sup>th</sup> and 6<sup>th</sup></b>
<b>Name of the Event: Software Testing</b>	<b>Date of the Event: 20/06/2024</b>
<b>Time: 11:30AM to 02:30PM</b>	<b>Venue: Mechanical Department</b>
<b>Name of the Resource Person: Ms. Umme Habiba</b>	

#### **Event Contents:**

- 1. Introduction to JAVA**
- 2. Software Testing**

#### **Details of Event:**

Understanding the Software need for Mechanical Engineers the Department organized a Colloquium on Software Testing and importance of Programming Languages, during the session the resource person presented Practical aspects and real time importance of software.

#### **Introduction to JAVA**

##### **History and Background:**

The session commenced with an overview of Java's origins, highlighting its development by Sun Microsystems and its evolution under Oracle Corporation. Emphasis was placed on Java's role in enterprise applications, mobile development, and web services.

##### **Basic Syntax and Structure:**

Participants were introduced to Java syntax, including variables, data types, operators, and control structures (if-else, loops). Code examples illustrated fundamental concepts such as variable declaration, conditional statements, and iterative constructs.

##### **Object-Oriented Programming (OOP):**

OOP principles were introduced, emphasizing concepts like classes, objects, inheritance, polymorphism, and encapsulation. Examples demonstrated how Java implements OOP concepts to achieve modularity, reusability, and maintainability in software design.



### Core Libraries and APIs:

An overview of Java's standard libraries (Java API) provided insights into leveraging built-in functionalities for tasks such as input/output operations, string manipulation, and collections management. Participants learned to import libraries and utilize pre-defined classes and methods effectively.

### Introduction to Software Testing:

The Software Testing Seminar proved to be a valuable platform for students seeking to stay abreast of industry trends and enhance their testing skills. Students left with a deeper understanding of the latest tools, methodologies, and best practices to drive quality improvements in software development.

The success of the event underscored the importance of continuous learning and community engagement in advancing the field of software testing. Students expressed satisfaction with the content, speakers, and networking opportunities provided, affirming the seminar's impact on their professional growth and development.

For future editions, Department aim to expand workshop offerings and incorporate more interactive sessions to cater to the evolving needs of the software testing.

Understanding of the theory of testing

Writing tests for a variety of quality intent, including code coverage, defect finding, and statistical testing.

### Geotag Photos:





SECAB Association's  
**SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY, VIJAYAPUR**  
(Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi)  
**Department of Mechanical Engineering**

IQAC

Event  
Report





**GPS Map Camera**



Google

Vijayapura, Karnataka, India  
 RP59+9HV, Jala Nagar, Vijayapura, Karnataka 586109, India  
 Lat 16.808298°  
 Long 75.718734°  
 20/06/24 12:10 PM GMT +05:30

Event Coordinator

HOD

Principal

