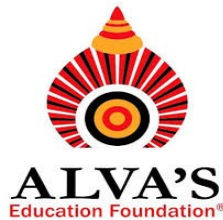


5 days Preplacement Workshop Report

Organized by,
Alva's Institute of Engineering and Technology



**5 days Workshop on “Java Fundamentals and Development of an API
using MySQL - an interview based approach” with hands-on sessions
conducted from 4.7.23 to 8.7.23
for CSE, ISE & AIML Students , AIET**

Resource Person
Dr. S. Mohideen Badhusha

Workshop Convenor
Dr. Manjunath Kotari

WORKSHOP BRIEF REPORT

5 days Workshop on “Java Fundamentals and Development of an API using MySQL - an interview based approach” with hands-on sessions conducted from 4.7.23 to 8.7.23 for CSE, ISE & AIML Students , AIET

The workshop was inaugurated by Prof. Manjunath Kothari H.O.D, Dept. CSE and all staff members and student volunteers were also present during the inauguration function along with the resource person Dr. S. Mohideen Badhusha. 185 internal participants from **CSE, ISE & AIML Branches**, Alva's Institute of Engineering and Technology have participated in this workshop.

Workshop Overview

Resource Person :

Dr. S.Mohideen Badhusha
Sr.Professor/CSE, AIET

Convener:

Prof. Manjunath Kothari
H.O.D Department of CSE

Objectives :

- To hone the programming skills of the students with complete comprehension of all the basics of Java
- To enhance the logical skills of the students by making them work out different exercises in various topics of Java so that they can become a spontaneous programmer with reasoning ability.
- To develop an API at the end of the Course so that they gain a complete experience of developing an application interface using Java and MySQL

Schedule

Subject	Portions/ Activities	Duration
Day I (FN)	Data types, Operators, Identifiers and variables, functions , Basic Programming Constructs in Java: If , if else , if elseif ladder, switch case, for , for each loops, do ... while and while loops in Java with example programs. Class and Objects, Constructors, encapsulation, abstraction, Information hiding in Java with example programs	Technical Lecture 2 Hours
		Hands-on Session 2 Hours
Day I (AN)	Exercises in Basic Java Programming Constructs : Different problems are given in basics of Java. All the given problems are solved through the concepts taught in the morning session.	Hands-on Session 3 Hours
Day II (FN)	Inheritance, Types of inheritance, Constructor function overloading and function overriding, abstract class and abstract methods, Packages, importing packages and Interface	Technical Lecture 2 Hours
		Hands-on Session 2 Hours
	Exercises in Class and objects : Different problems are given in Class and objects. All the given problems are solved through the	Hands-on Session

Day II (AN)	concepts taught in the morning session.	3 Hours
Day III (FN)	Database Connection; Associating the JDBC/ODBC Bridge with the Database; Statement Objects; ResultSet; Transaction Processing in Java, MySQL queries and exercises	Technical Lecture 2 Hours
		Hands-on Session 2 Hours
Day III (AN)	Exercises in MySQL : Different problems are given in MySQL Query. All the given problems are solved through the concepts taught in the morning session.	Hands-on Session 3 Hours
Day IV (FN)	Demo of MiniProjects on health care system and Librarty Management System	Hands-on Session 4 Hours
Day IV (AN)	Practice Session on the aforementioned project	Hands-on Session 3 Hours
Day V (FN & AN)	Development of an API using Java and MySQL in Students Mark Report Employee Payroll Banking Management System Inventory Control System Hotel Management System	Hands-on Session 7 Hours 9.00 am to 1.00 pm & 2.00 pm to 5.00 pm

Expected Outcomes :

- The students will be able to write programs in Java with complete understanding on the basic concepts.
- The students will become better programmers with good reasoning at their interviews .
- The logical building ability of the students will get improved by continuous and rigorous practices.
- Finally they can develop an API so that they gain a complete experience of developing an application interface using Java and MySQL

[Dr. S.Mohideen Badhusha]

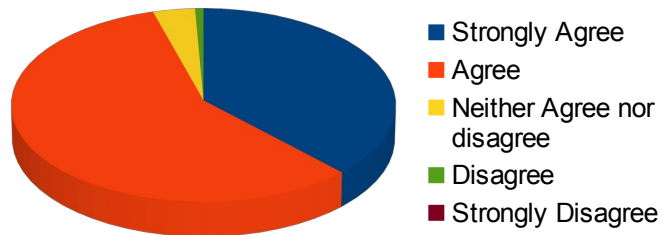
Sr.Professor/CSE, AIET

Students Response for individual questions in Feedback form

FEEDBACK ANALYSIS

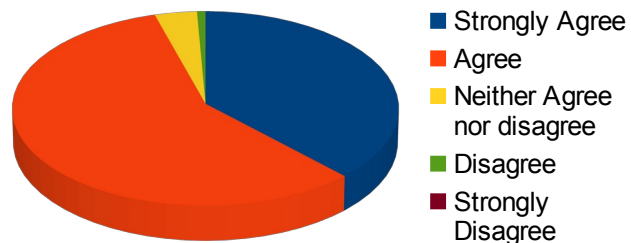
1. This Workshop has satisfied my expectations completely

Strongly Agree	88
Agree	89
Neither Agree nor disagree	7
Disagree	1
Strongly Disagree	0
Total No of Participant	185



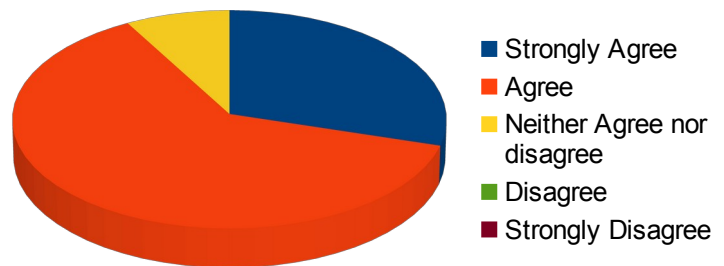
2. The exercises in the workshop have helped me to understand Objected Oriented Principles completely

Strongly Agree	88
Agree	90
Neither Agree nor disagree	5
Disagree	1
Strongly Disagree	1
Total No of Participant	185



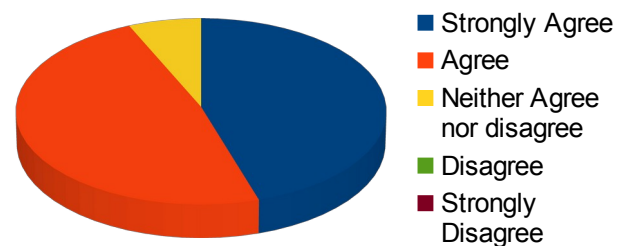
3. Workshop activities have stimulated my learning interest and ability in coding

Strongly Agree	101
Agree	78
Neither Agree nor disagree	5
Disagree	1
Strongly Disagree	0
Total No of Participant	185



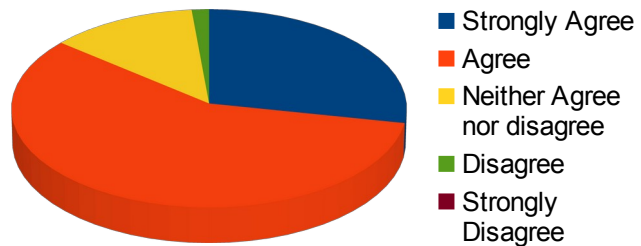
4. The activities in this program have given me sufficient working practice and 100% hands-on practice in Java

Strongly Agree	90
Agree	84
Neither Agree nor disagree	11
Disagree	0
Strongly Disagree	0
Total No of Participant	185



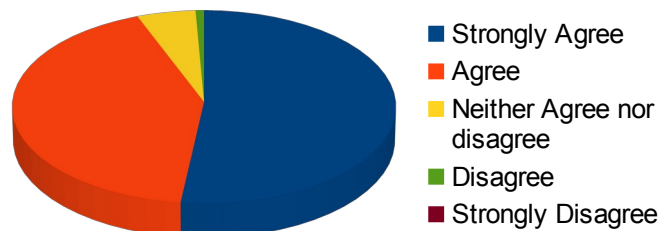
5. The ematerials given in the workshop will be of immensely useful to me for future

Strongly Agree	65
Agree	111
Neither Agree nor disagree	9
Disagree	0
Strongly Disagree	0
Total No of Participant	185

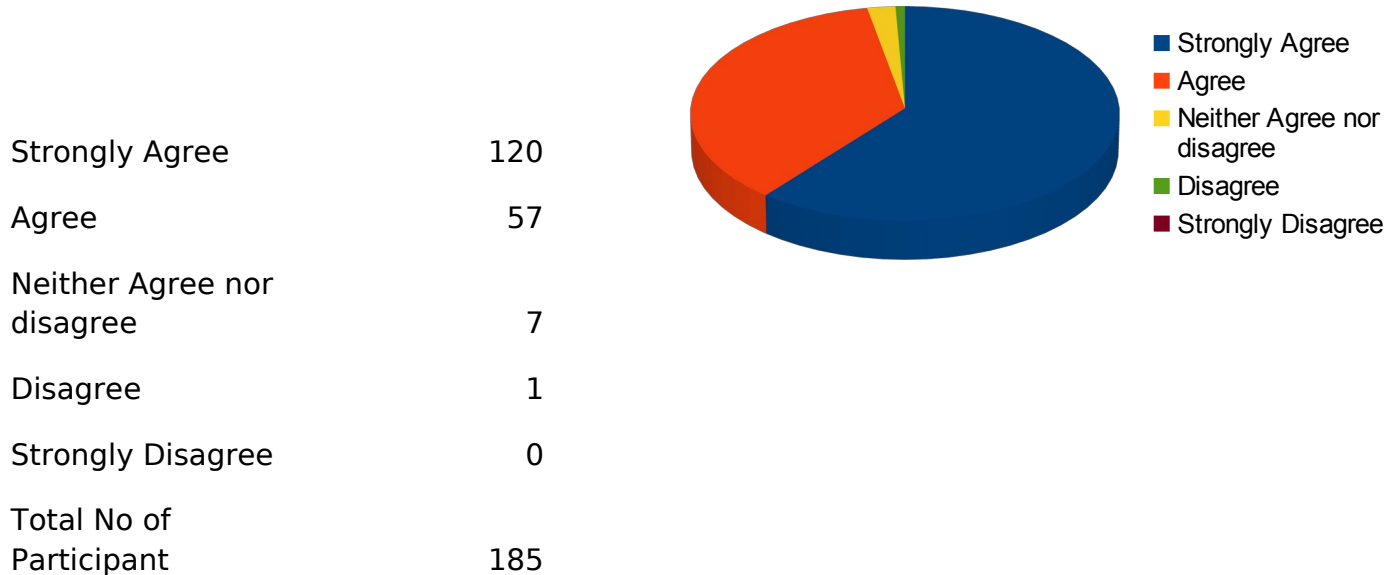


6. Now I am able to write simple and advanced Java programs with help of the materials provided in Workshop

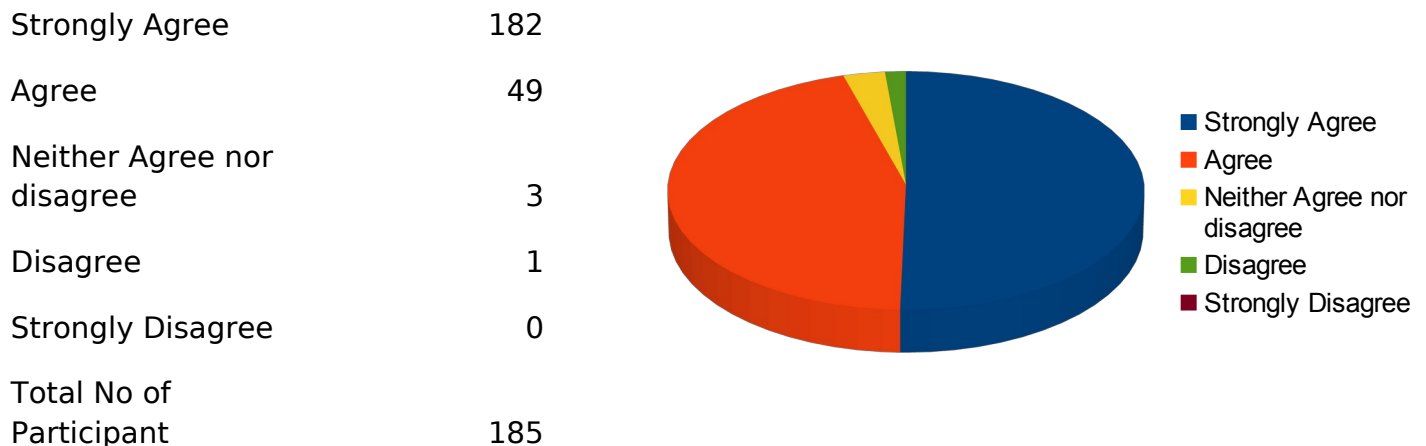
Strongly Agree	58
Agree	78
Neither Agree nor disagree	17
Disagree	2
Strongly Disagree	0
Total No of Participant	185



7. The Resource person has been knowledgeable and has delivered the content delivery intact.

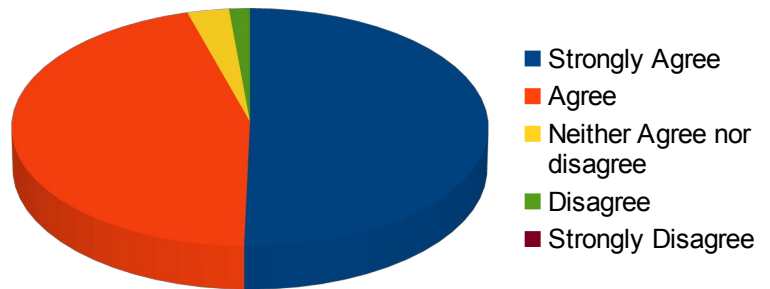


8. The Resource Person has well prepared for effective content delivery in the every session of the Workshop.



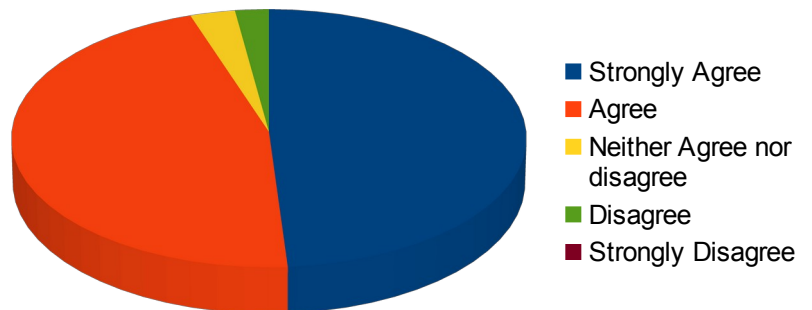
9. The Resource person has offered a clear idea on Object Oriented Programming

Strongly Agree	118
Agree	61
Neither Agree nor disagree	4
Disagree	2
Strongly Disagree	0
Total No of Participant	185

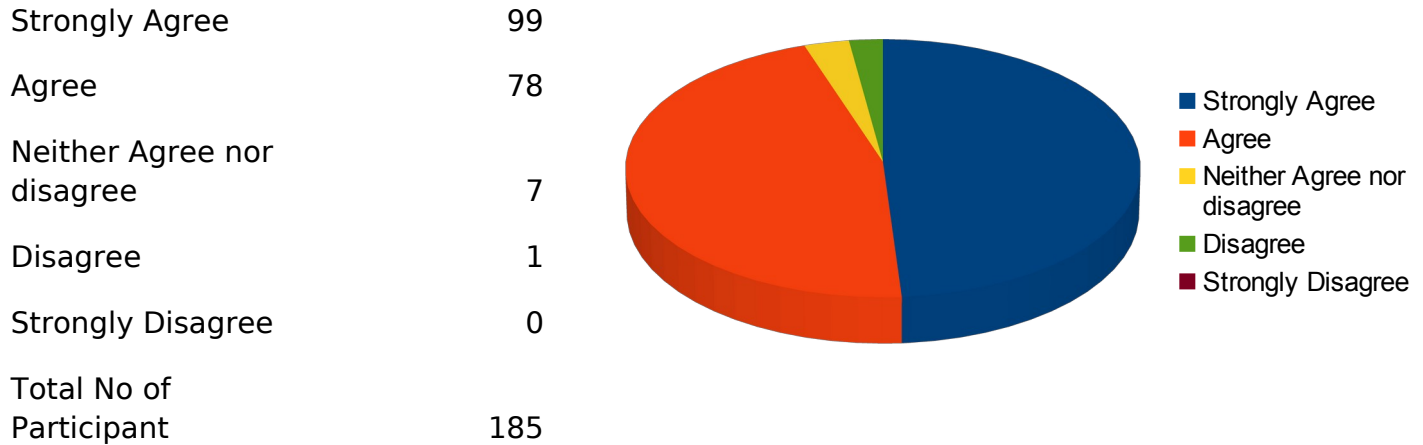


10. I am very much interested to attend any programme conducted by the resource person in future.

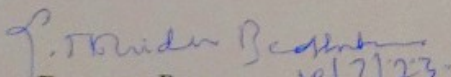
Strongly Agree	116
Agree	62
Neither Agree nor disagree	4
Disagree	3
Strongly Disagree	0
Total No of Participant	185



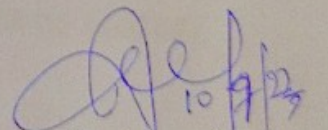
11. The hands-on session handling faculty members in the workshop have discharged their duty effectively and satisfactorily.



Conclusion : The students learn and practice different concepts of Java programming language in interview perspective. At the end of the workshop, all the students demonstrated the different concepts of the Java programming. The evaluation of the presentation of all the students was done and their doubts were amicably solved.


Resource Person 10/7/23

[Dr. S. Mohideen Badhusha]


Workshop Convenor

[Dr. Manjunath Kotari]

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