



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

(Autonomous)

Department of Artificial Intelligence

(Approved By A.I.C.T.E., New Delhi, Permanently Affiliated to JNTU, Hyderabad)

(Aziz Nagar, C.B. Post, Hyderabad -500075)

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Java Programming Lab

Course Outcomes:

- Develop programs on various concepts like data abstraction & data hiding, encapsulation, inheritance, polymorphism.
- Create and use I/O Streams, threads and handle exceptions.
- Design GUI applications using applets and JDBC.

Week 1 & 2:

1. Write a program to find total, average of given two numbers by using function with command-line arguments, static data members.
2. Write a program to illustrate class and objects.
3. Write a program to illustrate method & constructor overloading.
4. Write a program to illustrate parameter passing using objects.
5. Write a program to illustrate Array Manipulation.

Week 3:

6. Write a program to illustrate different types of inheritances.
7. Write a java program to illustrate Method Overriding.
8. Write a java program to demonstrate the concept of polymorphism (Dynamic Method Dispatch).
9. Write a program to demonstrate final keyword.

Week 4 & 5:

10. Write a program to illustrate the use of creation of packages.
11. Write a java program to handle the situation of exception handling using multiple catch blocks.
12. Write a program to implement the concept of User defined Exceptions.

Week 6 & 7:

13. Write a program to illustrate Multithreading and Multitasking.
14. Write a program to illustrate thread priorities.
15. Write a program to illustrate Synchronization

Week 8 & 9:

16. Write a program to implement String Tokenizer.
17. Write a program to read one line at a time, and write it to another file.

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Week 10 & 11:

18. Write a program to illustrate Event Handling (keyboard, Mouse events).

19. Write a program to illustrate applet life cycle and parameter passing.

Week 12:

20. Write a program to develop a calculator application using AWT.

Week 13:

21. Write a program to illustrate JDBC

BOS Members' Signatures :-

1. DR. SIDDHARTHA GHOSH Chairman , BOS for AI&DS, VJIT	2. DR. OBV RAMANAIAH JNTUH Nominee	3. DR. MV KRISHNAMURTHY MD, UOSD Pvt. Ltd.	4. MR. PRASAD YERRAMSETTI Lead Program Manager in Data Science, Microsoft
5. MR. GOPALKRISHNA MADDIPATLA Director of Intelligence Automation (ML) Practice, EPAM Solutions, Hyderabad	6. DR. PADMAJA SAVARAM, HOD, CSE, Keshav Memorial Institute of Technology, Hyderabad	7. DR. V. VIJAYA KUMAR DEAN CSE & IT, Anurag Group of Institutes	8. DR. B. VIJAYA KUMAR HOD, CSE, VJIT
			DATE OF BOS MEETING
9. DR. K. VASANTH HOD, ECE, VJIT	10. DR. D ARUNA KUMARI Professor in CSE, VJIT	11. PROF. B. SRINIVASULU HOD, IT, VJIT	23 – 06 – 2020