



Academic Year 2022 - 23

Course name: - UML Class Diagram for Software Engineering

Duration: - 4th July 2022 to 8th July 2022

Venue: - VIVA Institute of Technology

Co-ordinator: - Prof. Bhavika Thakur

Enrolled students: - 18

Course Objective:-

1. To understand the importance of modeling in the software development life cycle
2. To understand the usage of UML notation and symbols
3. To analyze and design systems and software solutions using the object-oriented approach
4. To Employ the UML notation to create effective and efficient system designs

Course Outcomes: -

5. After successful completion of the course, the students are able to
6. Gain a working knowledge StarUML
7. Apply knowledge of OOAD to design an object-oriented system which can be implemented in an object-oriented language
8. Learn the meaning of every UML notation and when to use them
9. Learn the industry best practices to build UML Interpret
10. Increase the knowledge of software development productivity

Course Schedule: -

Days	Morning Session (9 am to 12 pm)	Afternoon Session (1 pm to 4 pm)
1	Introduction Model and modelling	Methodology Design model and code
2	The object model Classes and Objects	Object properties Assignment
3	Data type Classes Describing objects with classes	Inheritance of attributes and operation Aggregation Composition
4	Collaboration Classifier Rule Association Rule	Interaction diagram Object creation Assignment
5	Informal requirement Usecase Modelling Describing Usecase	Assignment discussion



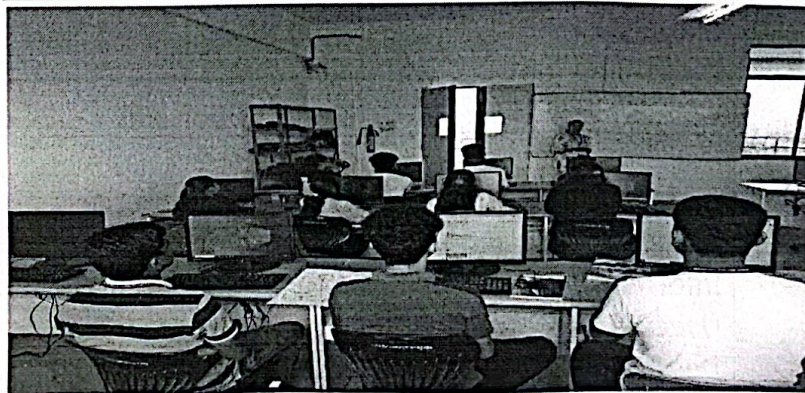
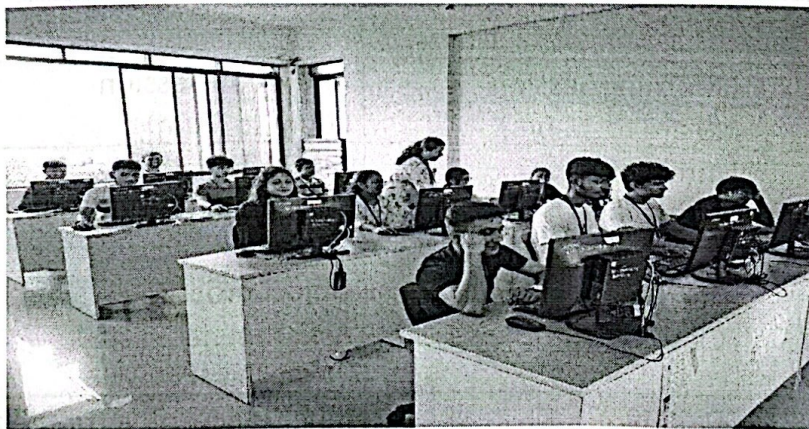
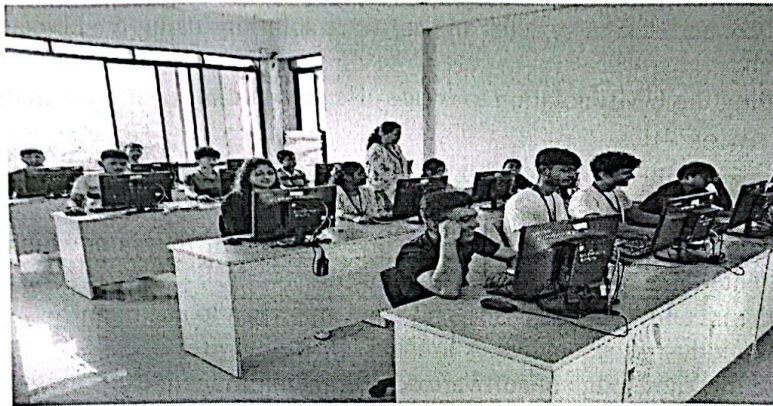
Report:-

Computer engg. the department of VIVA Institute of Technology conducted a course on "UML Class Diagram for Software Engineering " for second year and third year students. Total 18 students had been enrolled for this course.

This course was conducted by Prof. Bhavika Thakur in order to provide basic knowledge of UML Class diagrams and designing logic of UML class diagrams This was 30 hrs. certificate course.

During the course students learned how to draw UML diagrams. They learned about design models and methodology. Also students study usecase modelling.

Students enjoyed the course and completed it successfully.





CO-PO Mapping: -

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	3	-	-	-	-	-	-	-	-	-
CO3	1	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	3	-	-	-	-	-	-	-	-
CO5	-	3	-	-	-	-	-	-	-	-	1	1
	3	3	3	2	-	-	-	-	-	-	1	1

CO PO Justification: -

COs	POs	Justification
CO1	PO1	Strongly mapped as the students will be able to gain working knowledge og starUML and basics of UML diagrams.
CO2	PO3	Strongly mapped as the students will be able to apply knowledge of OOAD to design an object-oriented system
CO3	PO1	Slightly mapped as the students will be able to learn the meaning of every UML notation
CO4	PO4	Strongly mapped as the students will be able to learn the industry best practices to build UML Interpret
CO5	PO2	Strongly mapped as the students will be able to increase the knowledge of software development productivity

Prof. Ashwini Save
HOD, Computer Engg.

QR Code for Certificates -

