

Programme	Semester 3	Course Code	IT-202	Credit Hours	3
Course Title	Object Oriented Programming				
Course Introduction					
Learning Outcomes					
On the completion of the course, the students will:					
<ol style="list-style-type: none"> 1. OOP 2. C++ 3. L Packaging and Deployment 					
Course Content				Assignments/Readings	
Week 1	Understanding of Object-oriented programming				
Week 2	Features of Object-oriented programming languages				
Week 3	Classes and Inheritance, Abstract classes, Interfaces and Inner classes				
Week 4	Objects as wrappers, Containers and collections				
Week 5	Dynamic versus Static typing				
Week 6	Event handling, Exception handling, Recursion, Stream-based file I/O, Packages				
Week 7	Testing of Object-oriented programs				
Week 8	Packaging & Deployment				
Week 9	Case studies (ranging from simple to real-world complexity)				
Week 10	Define Classes, and Inheritance using C++				
Week 11	Develop module based programs like calculator and games etc.				

Week 12		
Week 13		
Week 14		
Week 15		
Week 16		
Textbooks and Reading Material		
<ol style="list-style-type: none"> 1. Problem Solving with C++", 9e Global Edition, Walter Savitch, ISBN-13:9781292018249, Addison-Wesley, 2015. 2. Object Oriented Programming in C++, Latest Edition By RoberLafore. 3. C++ How to Program by Deitel&Deitel, Latest Edition 4. Let us C++ by YashavantKanetkar, 8th Edition 		
Teaching Learning Strategies		
<ol style="list-style-type: none"> 4. Lectures 5. Written Assignments 6. Quizzes 7. Lab Work 		
Assignments: Types and Number with Calendar		
<ol style="list-style-type: none"> 8. Practical 9. Quiz 10. Presentation 11. Assignment 		