SALES FORCE TECHNOLOGIES

(Skill Oriented)

Course Code	20SA8756	Year	IV	Semester	Ι	
Course Category	SC	Branch	IT	Course Type	Theory/Practical	
Credits	2	L-T-P	1-0-2	Prerequisites	Fundamentals in any programming language	
Continuous Internal Evaluation:	-	Semester End Evaluation:	50	Total Marks:	50	

Course Outcomes							
Upon Su	Upon Successful completion of course, the student will be able to						
CO1	Understand the basics of CRM, multi-tenancy, Data modelling and management in Salesforce.	L2					
CO2	Use basic programming constructs of Apex.	L3					
CO3	Use advance programming constructs like class, interface triggers in Apex.	L3					
CO4	Demonstrate the usage of Visualforce and Lightening component framework	L3					
CO5	Use various debugging and deployment tools of Salesforce	L3					

Contribution of Course Outcomes towards the achievement of Program Outcomes & Strength of correlations (H: High, M: Medium, L: Low)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1				3									3	3
CO2				3									3	
CO3				3									3	
CO4													3	
CO5													3	

Syllabus							
Unit No	Contents						
I	 Salesforce Fundamentals: What is a multi-tenancy, considerations, MVC paradigm, Core CRM objects. Data Modeling and Management: Data modeling, Relationship types, Visualizing and creating entity relationships, Importing and exporting data into development environments. Practical Exercises: Create, setup Salesforce developer account and access developer console. Exercise on Standard and custom objects, Relationship fields. Exercise on how to import and export data. 						
П	 Apex: Apex Basics, Class and instance, Features of Apex, Apex variables, constants and expressions, Access modifiers, Control flow statements, working with data in salesforce. Practical Exercises: Exercise on install Force.com IDE and create projects. Exercise on primitive data types, sObject, Enum and collections. Exercise on control statements and looping statements. 	CO2					
III	 Apex Classes, Interfaces & Triggers: Apex classes, interfaces, Apex triggers, sObject relationships, Implementing SOQL & SOSL queries, the order of execution, Exception handling, Security in Apex, Web service callouts Practical Exercises: Exercise on creating Apex class. Exercise on SOQL and SOSL Queries. Exercise on working with Apex Triggers. 						
IV	 Salesforce user interface: Introduction, Displaying Salesforce data using Visualforce, Lightning component framework, Benefits of Lightning component framework, Resources in Lightning component. Practical Exercises: Exercise on displaying data using Visualforce and Visualforce pages. Practice components in Lightning component framework. 	CO4					
V	 Debugging and Deployment tools: Debugging and Deployment tools, Monitoring and accessing debug logs, deploying metadata to another org. Practical Exercises: Exercise on creating sandbox and deployment strategies. 	CO5					
Learning Resources							
Text Books							
 Salesforce Platform Developer I Certification Guide, John Vandevelde, Gunther Roskams, Packt Publishing. 							
References							
1. B	1. Beginning Salesforce Developer, Michael Wicherski, Apress.						
E-Reco	E-Recourses and other Digital Material						
1.	1. Salesforce Platform Developer I, Trail: https://trailhead.salesforce.com/content/learn/trails/platform-developer-i-certification						