



## SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

(Established under section 3 of the UGC Act 1956)

Re - accredited by NAAC with 'A' Grade

Founder: Prof. Dr. S. B. Mujumdar, M.Sc., Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)

(Established under section 3 of the UGC Act 1956, by notification No.F.9-12/2001-U3 Government of India)

### Sub Committee - Specialization for Curriculum Development Post Graduate/ Under Graduate

**Course Name:** Application Packaging

**Course Code:** T3497

**(UG/PG):** PG

**Number of Credits:** 3

**Level:** 4

**Learning Objective(s) / Outcome(s):** To study the basic concept of Application Packaging, Repackaging, Installer, etc.

To understand the Application Packaging Life Cycle.

To learn the various tools available for the application packaging like MSI, Windows Installer, Install Shield, etc.

#### Course Outline:

Sr. No.	Topic	Hours
1	Introduction What is Application Packaging? What is Packaging? What is Repackaging? Windows Installer, MSI Packaging tools, Wise for Windows Installer, Wise Package Studio, Install Shield, SMS Installer Marimba, MSI Re-Packaging Tools, Application Repackaging Life Cycle	5
2	MSI & Windows Installer Advantages of windows installer, Installation in locked-down environments, Repair (Self-healing), Advertising, Installation on Demand Rollback (Transactional operations), Managed Shared Resources	4
3	Capturing Methods Overview , Difference Types of Capturing methods in Wise Package Studio / Install shield, In Wise Package Studio Capturing methods Virtual Capture, Smart Monitor, Snapshot, In Install Shield Capturing methods, Installation Monitor: Snapshot Capturing applications and operating systems Brief About registry, CLASS- ID,DLL, Overview of Different File formats .msi,.dll,.bin,.exe,.msp,.ism etc)	8

4	MSI Creation and Command line parameters to install MSI Overview, How to create MSI using Wise, MSI Installation Mechanism Acquisition, Execution, Rollback, MSI Structure, Command line options to install MSI, Install & Uninstall Options, Restart Options Update And Other options, Repair Options, How to install patch?	8
5	Transforms Overview, Use of Transforms, How to create transforms, How to apply transforms to MSI,	4
6	Wise Installation Expert Options Overview, Product Definitions, General Information, Product Details, Add/Remove Programs, Features, Feature Details , Merge Module, Files Registries, INI Files, Shortcuts, Environment Variables, File Associations Services, ODBC, Other Options, Administration Options, Media Upgrades	8
7	Setup Editor Options Overview, Dialogs, Tables, Properties, Launch Conditions, Important Checks, Components, Module 8: Rules, Product Rules, Feature Rules, Component Rules, Handling User setting in application Active setup, Run, Run Once, Custom Actions Overview , Sequences Options, Conditions, Scripting Options ,Processing Options	8
	<b>Total</b>	<b>45</b>

### **Pedagogy:**

Lectures  
Class work discussion  
Case Studies

### **Books Recommended:**

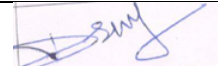
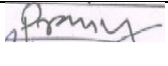
1. A Beginners Guide to Software Deployment, by Dennis Waldon
2. Application Packaging Developer's Guide, by SunMicroSystems, 2002
3. Packaging Windows Applications: A Guide for Beginners to Learn the Processes, Tools and Tips of the Trade, by Dwight Scull
4. Microsoft® Deployment Toolkit 2008 Application Packaging Guide 2008

### **Suggested Assessment/ Evaluation Methods:**

On line Test  
Lab Examination  
Viva  
Assignments

**Benchmarked against similar courses in other national/ international universities /organizations**

S.No.	Name of the course	Name of the university where it is offered
	NA	NA

Name of Member	Dr. Dhananjay S. Deshpande	Dr. Pravin S. Metkewar			
Designation	Assistant Professor	Associate Professor			
Org. / Inst.	SICSR	SICSR			
Signature					

Name of Experts	Trupti Hake				
Designation	Developer				
Org. / Inst.	NA				
Signature					

Signature of Dean:

Date: 16/06/2017

