Annexure I: Course Curriculum					
MODULE-WISE COURSE CONTENT AND OUTCOME					
SL.NO	MODULE		MODULE LEARNING	DURATION (HRS)	
1	About PLM	Introduction of PLM Introduction to the Windchill Environment	<ul> <li>Define PLM (Product Lifecycle Management)</li> <li>Recognize the Benefits of PLM</li> <li>Understand PLM Components</li> </ul>	10	
2	About Windchill UI	Locating Information Viewing Information	<ul> <li>Search for Data Efficiently</li> <li>Browse the Database</li> <li>Utilize Advanced Search Options</li> <li>View Product Data</li> <li>Understand Information Layouts</li> <li>Navigate Linked Data</li> </ul>		
3	About Visualization	Introduction to Visualization Using Creo View Lite to View and Annotate Information	<ul> <li>Use Visualizations</li> <li>Navigate Creo View Lite Interface</li> <li>Perform Basic Viewing Tasks:</li> <li>o Rotate, zoom, and pan 3D models for detailed inspection.</li> <li>Open and navigate 2D technical drawings.</li> <li>Use Markup Tools for Annotation:</li> <li>o Add comments, dimensions, and graphical annotations to CAD models or drawings.</li> <li>Save and share annotations with team members for collaborative review.</li> </ul>		
4	About Home page	Managing Your Work Participating in Processes	<ul> <li>Organize Assigned Tasks</li> <li>Manage Personal Workspaces</li> <li>Track Progress</li> <li>Perform Basic Workflow Tasks</li> <li>Understand Workflow Processes</li> <li>Engage in Collaborative Processes</li> </ul>		

			• Execute Process-Related Tasks	
			Monitor Workflow Status	
5	About Document	Creating Documents Managing Documents Managing Lifecycle for Document	<ul> <li>Gain confidence in creating, organizing, and managing documents in Windchill.</li> <li>Understand and apply document lifecycle stages for structured</li> </ul>	
		Managing Revision for Document	<ul> <li>management.</li> <li>Effectively handle document revisions to maintain consistency and traceability.</li> <li>Develop skills for integrating documents into broader workflows and ensuring their role in successful PLM operations.</li> </ul>	8
6	About CAD Data Managemen t	Windchill MCAD Data Management Process Overview Manage Design Data Manage Design Development Manage CAD Data Working With CAD Data Manage Family Tables	<ul> <li>Gain a comprehensive understanding of MCAD data management processes in Windchill.</li> <li>Build skills to organize, control, and collaborate on CAD data effectively.</li> <li>Understand and utilize advanced features like family tables for managing complex design variations.</li> <li>Develop proficiency in integrating CAD tools with Windchill to enhance productivity and reduce errors.</li> </ul>	15
7	About BOM	Windchill eBOM Creation Process Overview Create eBOM Edit BOM Manage eBOM Generate and Compare BOM Reports Sharing and exporting eBOM	<ul> <li>Develop a strong understanding of eBOMs and their role in managing product designs.</li> <li>Gain the ability to create, edit, and manage eBOMs efficiently in Windchill.</li> <li>Build skills in generating reports, analyzing BOM data, and sharing eBOMs for collaborative purposes.</li> <li>Lay a foundation for integrating eBOMs into broader enterprise</li> </ul>	

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			processes like ERP or manufacturing planning.
8	About Change Managemen t	Change Management Process Overview Identify Need Investigate Need Change Planning Change Implementation Review and Audit Change	<ul> <li>Develop a clear understanding of the change management process and its significance in maintaining product and process integrity.</li> <li>Acquire skills to identify, investigate, plan, implement, and review changes systematically using Windchill.</li> <li>Enhance collaboration and decision-making through effective communication and stakeholder engagement.</li> <li>Build proficiency in auditing changes and leveraging insights to improve organizational processes.</li> </ul>

			Windchill to automatically generate engineering Bills	
			of Materials (eBOM) from	
			CAD models. The eBOM	
			reflect the company's	
			product structure (e.g.	
			top-level assemblies.	
			subassemblies,	
			components).	
			Windchill automatically	
			assigns part numbers,	
			descriptions, and	
			materials to each item in	
			the eBOM based on the	
			and product	
			specifications.	
			4. Configure Change	
			Management	
			Create Change Request	
			and Change Notice	
			Workflows:	
			The company configures	
			the change management	
			defining workflows for	
			both engineering change	
			requests (ECR) and	
			change notices (ECN).	
			A change request	
			workflow is created where	
			an engineer can propose a	
			change (e.g., to a design	
	TNAL PROJECTS (P	OIFCTS THAT COM		
ALL THE LEARNING OUTCOME)				
SL.NO		FINAL PROJECT	Γ	
1.	Document Manageme	ent for SKADRO		
2.	MCADE Data Management for SKADRO			
3.	EBOM Configuration	for SKADRO		
4.	Configure change ma	anagement for SKADI	RO	

COURSE ASSESSMENT RUBRICS (TOTAL MARKS: 70)				
ASSESSME NT	DESCRIBE THE CRITERIA OF THE BELOW CATEGORY PERFORMANCE			TOTAL MARKS
CRITERIA	FAIR	GOOD	EXCELLENT	
Practical Skills Proficiency	10	15	15	15
Technical Knowledge Application	5	10	15	15
Project Execution	10	20	25	25
Communic ation and Reporting	5	10	15	15