



# **Shri Guru Gobind Singhji Institute of Engineering and Technology, Vishnupuri, Nanded**

An Autonomous Institute owned by Government of Maharashtra

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## **Department of Mechanical Engineering**

### **A Report**

**On**

**One week AICTE-QIP sponsored**

### **Faculty Development Program (FDP)**

**On**


### **“Product Lifecycle Management”**



**(4<sup>th</sup>Feb2019 to 8<sup>th</sup>Feb2019)**



Department of Mechanical engineering had successfully conducted one week Faculty Development Program under scheme of AICTE-QIP named **“Product Lifecycle Management”**. Industry experts Mr. Uday Koranne, (Technical Leader, Emerson Innovation Centre, Pune) , Mr. SawanBorul (HCL Technology, Pune) , Mr Ravindra Joshi ( Manager MCAD PLM, BOBST), Umesh Mane and Mr. Raju Kedar (TATA Technology)visited our institute for the same. We had planned to conduct this program in one week **from 4<sup>th</sup> - 8<sup>th</sup>Feb 2019**.

The Inauguration is happened at 10 to 11 am with auspicious presence of Hon'ble 1. Dr. Venugopal Reddy, Vice Chancellor, JNTU, Hyderabad, 2. Shri, Sunilji Raithatha, Chairman BOM, SGGSI&T, 3. Dr Y.V. Joshi, Director SGGSI&T, Dr. R.R. Manthalkar Dean R&D, SGGSI&T, 4. Mr. Uday Koranne EIC Pune, Dr. M. K. Rodge, Head, MED , Prof R.P. Parvekar and all participants on 04 Feb 2019.

**Details and contents of the program are given below:**



Day	Date	Resource Person	Session	Content	Time
Day 1	04/02/2019	<p>Chief Guest Dr. A. Venugopal Reddy, VC JNTU, Hyderabad</p> <p>Guest- Mr. Sunilji Raithatha, Chairman, BOM SGGGS E &amp; T</p> <p>Mr. Uday Korane EIC Pune</p> <p>Dr. Y. V. Joshi, Director SGGGS I E &amp; T</p> <p>Dr. Manthalkar QIP Coordinator</p> <p>Dr. M.K. Rodge, HOD Mech Dept,</p> <p>Prof. R.P. Parvekar</p>		<ul style="list-style-type: none"> <li>• Felicitation Ceremony</li> <li>• Chief guest speech about PLM and It's importance in today's world.</li> <li>• Speech of industrial perspective of PLM by Uday korane sir.</li> <li>• PLM software introduction by Rajesh Parvekar sir</li> <li>• Speech of Dr. Y. V. Joshi about PLM and project Management.</li> <li>• Speech by Mr. Sunil Raithatha about India's Industrial Growth</li> <li>• Speech of Dr. M K Rodge ,HOD of Mechanical Dept about MTech PLM course.</li> </ul>	10 to 11.




<p>Day 1</p>	<p><b>04/02/2019</b></p> <p><b>Session:1</b></p>	<p>Mr.UdayKoranne, EIC Pune</p>		<ul style="list-style-type: none"> <li>• Introduction of PLM Philosophy and PLM concept .</li> <li>• Enterprise data management.</li> <li>• Brief history of PLM and CAD</li> <li>• Various software’s introduction about PLM</li> <li>• Change management module in Teamcenter</li> </ul>	<p>11 to 1.30</p>
	<p><b>Session :2</b></p>	<p>Mr. Uday Koranne, EIC Pune</p>		<ul style="list-style-type: none"> <li>• Introduction of Teamcenter software.</li> <li>• Architecture and basic building blocks of PLM.</li> <li>• Teamcenter Organization and workflow module.</li> <li>• Concept of sites and volumes.</li> <li>• Various terminology of Teamcenter software.</li> </ul>	<p>2.30 to 4</p>



	<p><b>Session :3</b></p>	<p>Mr. K. G. Rajmore SGGSIE&amp;T NAnded</p>		<ul style="list-style-type: none"> <li>• Practical session on my Teamcenter module.</li> <li>• User interface of Teamcenter software.</li> <li>• Concepts of item, version, and variants</li> <li>• Concepts of dataset, JT preview, workflow process and their terminology.</li> <li>• Basic of change management</li> </ul>	<p>4.00 - 5.00pm</p>
		<p>Mr .Kondekar G R SGGSIE&amp;T NAnded</p>		<ul style="list-style-type: none"> <li>• Practical session on item creation in Teamcenter software and their properties.</li> <li>• Introduction of Organization module of Teamcenter.</li> <li>• Explain creation of User, Role and groups. Practical on Organization module.</li> </ul>	<p>5.00 6.00pm</p>

<b>Day 2</b>	<b>05/02/2019</b>	Mr. Sawan Borul (HCL Technology, Pune)		<ul style="list-style-type: none"> <li>• Introduction of PLM methodologies</li> <li>• Concept of product.</li> <li>• Need and benefits of PLM</li> <li>• Workflow designer module.</li> </ul>	10 to 1
	<b>Session 1</b>			<ul style="list-style-type: none"> <li>• Teamcenter evolution (historical perspective)</li> <li>• My Teamcenter module.</li> <li>• Organization module</li> <li>• Creation of folder and item.</li> </ul>	2 to 4
	<b>Session2</b>			<ul style="list-style-type: none"> <li>• Practical explanation on Product Structure manager module of Teamcenter.</li> <li>• Manufacturing Process Planner module</li> </ul>	4:15 to 6:15
	<b>Session3</b>				







<b>Day 3</b>	<b>06/02/2019</b>	Mr. K. G. Rajmore		<ul style="list-style-type: none"> <li>• Induction of PLM philosophy.</li> <li>• Access Manager Module of Teamcenter.</li> </ul>	10 to 11:00
		Prof.. R. P. Parvekar SGGSIE&T NAnded		<ul style="list-style-type: none"> <li>• PLM/CAD customization</li> <li>• AUTOCAD customization and VBA tool for it.</li> </ul>	11:00 to 1.30pm

	<b>Session 2</b>	Prof..R. P. Parvekar SGGSIE&T NAnded		<ul style="list-style-type: none"> <li>• Various tools of NX CAD software.</li> <li>• Basics of NX customization</li> </ul>	2.30 to 5.30
		Prof..R. P. Parvekar SGGSIE&T NAnded		<ul style="list-style-type: none"> <li>• NX 10 programming help guide and various tools for it.</li> </ul>	2.30 to 5.30pm
		Mr. Kondekar G R SGGSIE&T NAnded		<ul style="list-style-type: none"> <li>• Command Suppression Module of Teamcenter.</li> <li>• Report Builder Module of Teamcenter</li> </ul>	10 to 11:00
<b>Day 4</b>	<b>07/02/2019</b>	<b>Session 1</b>			

<b>Day 4</b>		Mr. Ravindra Joshi( Manager MCAD PLM, BOBST,Pune)		<ul style="list-style-type: none"> <li>• PLM introduction (Industrial perspective)</li> <li>• PLM investments by various segments of industries.</li> <li>• Opportunities and growth in PLM</li> <li>• Infrastructure of PLM Implementation.</li> </ul>	11:00 to 1
	<b>Session2</b>	Mr. Umesh Mane		<ul style="list-style-type: none"> <li>• CATIA Customization</li> <li>• Introduction of various CATIA tools</li> </ul>	2 to 4



	<b>Session 3</b>	Mr. Umesh Mane		<ul style="list-style-type: none"> <li>● CAD project ( Ph.D. Project) Presentation</li> <li>● Research work related to CAD customization.</li> </ul>	4:15 to 6:15
<b>Day 5</b>	<b>08/02/2019</b> <b>Session 1</b>			<ul style="list-style-type: none"> <li>● Challenges and opportunities in PLM</li> <li>● The aim of PLM</li> <li>● Assembly systems and Operation involved in vehicle Manufacturing</li> <li>● Robcad Tecnomatrix</li> <li>● Demonstration of DELMIA Software.</li> </ul>	10 to 1
	<b>Session 2</b>			<ul style="list-style-type: none"> <li>● Introduction of user interface of DELMIA software</li> <li>● Practical session on DELMIA software with industrial Robotic example</li> </ul>	2 .15to 4.15pm

					
	<p><b>Session 3</b></p>	<p><b>Validatory Function</b></p> <p>Honorable Dr. Y. V. Joshi, (Director SGGS IE &amp; T)</p>		<ul style="list-style-type: none"> <li>• Introduction speech by Head of Mechanical department Dr Rodage sir</li> <li>• Summary of program by Mr. Rajmore Sir</li> <li>• Speech by participants.</li> <li>• Certificate distribution by honorable director Dr. Y. V. Joshi</li> <li>• Speech by Dr. Y. V. Joshi</li> <li>• Vote of thanks by Mr. G. R. Kondekar Sir.</li> </ul>	<p>4:30 to 5:30</p>



Head, Dr. M. K Rodage  
(Department of Mechanical engineering)