






## Adequate and well equipped laboratories and Technical manpower

S. No.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the important equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation (Contractual)	Qualification
1	<b>Testing &amp; Evaluation Laboratory(UG-I)</b> 	4-5	1. Hegmangaugue two sets (with applicator.) 2. Hot air oven 3. Hot plate 4. Melting point apparatus with cooling 5. Stopwatch 6. Adhesion tester cutter (cross cut) 7. Lovibond Tintometer 8. Weight per Litre Cup 9. Black and white Cryptometer 10. Digital baking oven 11. Distillation unit for petroleum products 12. Heating mantle (with temperature control) 13. Reaction kettle for Alkyd resin (solvent process). 14. Tubular Impact Tester	6 hrs	P.A.Naqvi (R.A)	Research Assistant	Ph.D, Chemistry
2	<b>Project Laboratory (UG-II)</b> 	4-5	1. Salt spray cabinet 2. Corrosion cabinet 3. Ultra Cryostat, (circulatory)-lab model 4. Vibro-shaker (Chemplast) 5. Pencil Hardness Tester 6. Cylindrical flexibility tester 7. Scratch Hardness Tester 8. Dry film thickness Tester 9. Wet film thickness Tester 10. Humidity chamber 11. Bead mills 12. Sigma Kneader 13. Triple roller machine	6 hrs	P.A.Naqvi (R.A)	Research Assistant	Ph.D, Chemistry

3	<b>Paint Application Laboratory</b> 	4-5	1. Powder Coating Plant 2. Paint Spray Booth	3 hrs			
4	<b>Paint Bay</b> 	10	1. Edge Runner 2. Pot Mill 3. Ball Mill 4. Triple Roll Mill	3 hrs			
5	<b>Central Instrumental Laboratory</b> 	4-5	<ol style="list-style-type: none"> <li>1. UV-VIS Spectrophotometer</li> <li>2. Rotary Evaporator</li> <li>3. Surface and Interfacial Tensiometer ( 4 Nos.)</li> <li>4. Design Expert ( 10 User ) -soft ware</li> <li>5. Multi-Fuel Analyzer</li> <li>6. Automatic Bomb Calorimeter</li> <li>7. MATLAB ( 5 User ) - soft ware</li> <li>8. STATISTICA Ultimate Academic Pack Bundle (5 User) –soft ware</li> <li>9. FT-IR</li> <li>10. Glossmeter</li> <li>11. Analytical Balance ( 2 Nos. )</li> <li>12. Differential Scanning Calorimeter (DSC)</li> <li>13. Thermal Gravimetric Analyzer ( TGA )</li> <li>14. Origin Lab Professional Version 2016 (10 User)-soft ware</li> </ol>	3 hrs			

			<b>15.</b> SAFTEST-II Analyzer <b>16.</b> Lovibond Tintometer <b>17.</b> Hybrid SFC/UHPLC <b>18.</b> Gas Chromatograph <b>19.</b> Rheometer <b>20.</b> Mass spectrometer				
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