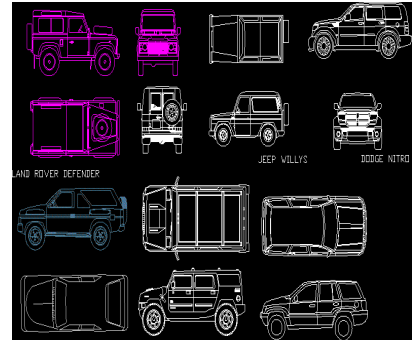
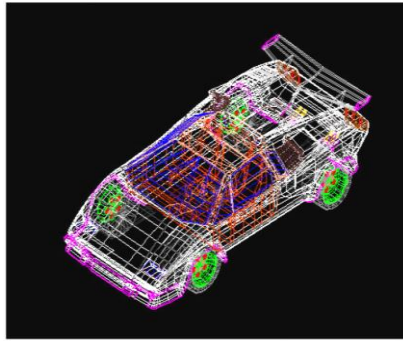
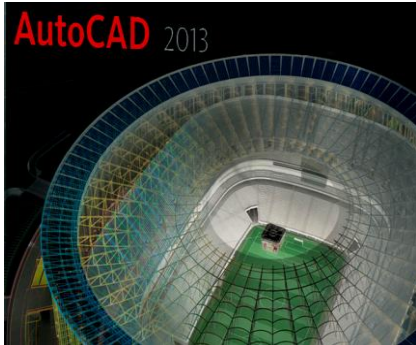




Gyanmanjari Institute of Technology (GMIT)  
Mechanical Engineering Department

**SDP Course Content**

Name of Course : Autocad 3D Foundation



**Course Objective:**

- The objective of this short term course is to understand the various 3D modeling and modifying tools to make 3D drawings of various machine objects.
- To know about 3D orbit and understanding the different views.

**Syllabus**

Sr. No.	Contents	Hrs. Allotted
1	Visual style <ul style="list-style-type: none"> <li>• 3D solid</li> <li>• 3D surface</li> <li>• 3D mesh</li> </ul>	2
2	3D Modeling tool <ul style="list-style-type: none"> <li>• Cylinder</li> <li>• Cone</li> <li>• Sphere</li> <li>• Torus</li> <li>• Pyramid</li> <li>• Poly solid</li> <li>• Planner surface</li> </ul>	6
3	Solid modifying tools <ul style="list-style-type: none"> <li>• Union</li> <li>• Subtract</li> <li>• Intersect</li> </ul>	4
4	3D view <ul style="list-style-type: none"> <li>• Modeling</li> <li>• Solid editing panel</li> <li>• Visual style</li> <li>• Orbit</li> </ul>	2
5	3D dimensioning	2
	<b>Total</b>	<b>16</b>

**Coordinator details and timing:**

<b>Course Duration</b>	16 Hrs.
<b>Course Coordinator</b>	Prof. Ankit Harsora
<b>Batch Size</b>	20
<b>Course Fee</b>	NIL
<b>Targeted Audience</b>	First year Mechanical Students

**Resource requirement:**

<b>Infrastructure requirement</b>	Computer Lab with Projector
<b>Hardware / Software</b>	AUTOCAD 2013/2014
<b>Consumable</b>	NIL
<b>Special Equipment</b>	20 PC With AutoCAD software

**Assessment criteria**

<b>Sr. No.</b>	<b>Criteria</b>	<b>Marks</b>
1	MCQ test	20
2	Drawing exam	30
3	Model	NIL
4	Mini project	NIL
<b>Passing criteria: More than 50% marks in all component</b>		

**Course Outcome:**

- At present and in future it will be desirable additional qualifications for good opening in industry.
- Students will able to make 3D drawing of machine parts, component, accessories etc
- Specially designed course with full Practical Training inclusive of a final Project on Industrial Drawing.
- Modern AUTOCAD skills to place you ahead of the competition in this fast-growing industry.
- Certificate at the successful completion of the course.