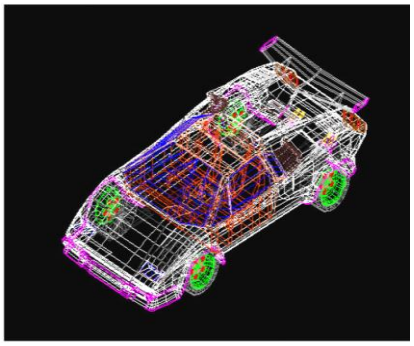
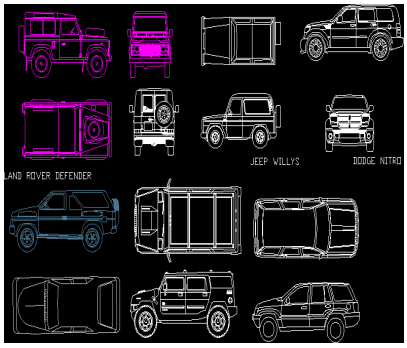
Gyanmanjari Institute of Technology (GMIT)
Mechanical Engineering Department

SDP Course Content

Name of Course : Autocad 3D Advance





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 different section plan, material and material map.
- To know about camera and animation.

Syllabus

Sr. No.	Contents	Hrs. Allotted
1	3D operation • Extrude • Revolve • Move faces • Loft • Sweep	**4**
2	Rendor effect • Create new material for face of solid • Material filters • Apply material to object • Material attach • Use of camera	**4**
3	Visual effects • Color • Glossiness • Image fade • Reflectivity • Transparency	**4**
4	Flat shot • Export to file • View ports • DDV point	**2**

Sr. No.	Contents	Hrs. Allotted
5	Section plane • Generating 2D and 3D sections • Destination • Section setting • Section boundary	**2**
	Total	**16**

Coordinator details and timing:

Course Duration	16 Hrs.
Course Coordinator	Prof. Vandan Vyas
Batch Size	20
Course Fee	NIL
Targeted Audiance	First year Mechanical Students

Resourse requirement:

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

Assessment criteria

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

Course Outcome:

- At present and in future it will be desirable additional qualifications for good opening in industry.
- Students will able to make 3D advance 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.