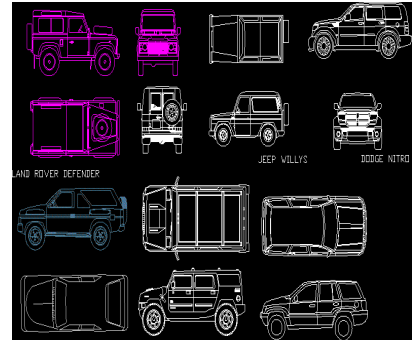
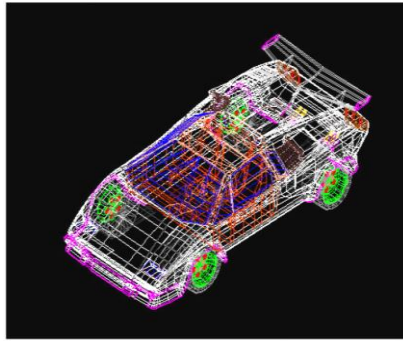
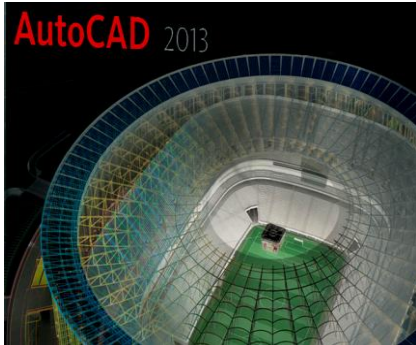




Gyanmanjari Institute of Technology (GMIT)
Mechanical Engineering Department

SDP Course Content

Name of Course : Autocad 2D Basic (Module-1)



Course Objective:

The objective of this short term course is to understand the functionality of the AutoCAD software, its usefulness in Engineering Drawing and real life object designing whereby students will get a direction to shape out his own imagination.

Syllabus

Sr. No.	Contents	Hrs. Allotted
1	Unit 1: Navigating the Working Environment	3
A	Working with files	
B	Displaying objects	
2	Unit 2 : Autocad co-ordinate system	3
A	Word coordinate system	
B	User coordinate system	
C	Absolute method	
D	Relative method	
E	Polar method	
3	Unit 3 : Creating Basic Shapes	2
A	Line (X line, Polyline)	
B	Circle (Radius, 3P,2P)	
C	Polygon	
4	Unit 4 Creating Special Shapes	2
A	Arc	
B	Ellipse	
C	Spline	
D	Donout	
E	Revision Cloud	

Sr. No.	Contents	Hrs. Allotted
5	Unit 5 Creating Dimensions	2
A	Linear Dimension system	
B	Aligned system	
6	Unit 6 Trimming and Extending object	2
A	Trim	
B	Untrim	
C	Extend	
D	Break	
E	Join	
7	Unit 7 Modifying and Editing object	2
A	Scale	
B	Erase	
C	Move, Copy	
	Total hrs	16

Coordinator details and timing:

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

Resource requirement:

Infrastructure requirement	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 2D 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.