

 NIIST BHOPAL		NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY DEPARTMENT NAME: MECHANICAL ENGINEERING <u>LIST OF EXPERIMENTS</u>		FORM NO	NIIST/A/10
				BRANCH	ME
SESSION				REV. DT	30/06/2011

SUBJECT NAME: Theory of Machine


SUBJECT CODE: ME-403

1	To study all inversions of four-bar mechanisms using models
2	Draw velocity and acceleration polygons of all moving link joints in slider crank mechanism
3	Determination of velocity and acceleration in above using method of graphical differentiation.
4	To study working of differential gear mechanism.
5	To study working of sun and planet epicycle gear train mechanism using models
6	To plot fall and rise of the follower versus angular displacement of cam and vice versa
7	Study of universal gyroscope
8	Analytical determination of velocity and acceleration in simple mechanism using Roven's M.

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 NRI INSTITUTE OF INFORMATION SCIENCE & TECHNOLOGY		FORM NO	NIST/A/10
		REV. NO	0
DEPARTMENT NAME: MECHANICAL ENGINEERING		REV. DT	30/06/2011
<u>LIST OF EXPERIMENTS</u>			
NIST BHOPAL			
BRANCH	ME		
SESSION			


SUBJECT NAME: Fluid Mechanics

SUBJECT CODE: ME-404

1	Impact Of Jet Apparatus
2	Metacentric Height Apparatus
3	To determine coefficient of discharge of Orifice meter connected in between pipe line
4	To measure the difference between static and stagnation pressure of water flowing through a pipe using differential manometer
5	To determine the coefficient of discharge (Cd) of the given Venturimeter

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				REV. NO	0
BRANCH	ME	REV. DT	30/06/2011		
SESSION					

SUBJECT NAME: Software Lab

SUBJECT CODE: ME-406

1	To study about special features, advantages and application of AutoCAD in detail
2	To study different software for AutoCAD
3	To study and practice basic draw commands exist in the AutoCAD
4	To draw plan of a single storeyed building in Auto CAD
5	To draw section and elevation of a single storeyed building
6	To draw components like doors, window and roof trusses of a building in Autocad
7	To prepare drwaing for a building in the AutoCAD



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