

Indian Institute of Technology Guwahati
Mechanical Engineering
Instructor: S. K. Dwivedy



Course No: ME 313

Course Name: Dynamics of Machinery

SI No	Roll No	Name	EMail	Project Title
Group 1	150103080	Y BISHAL SINGHA	bishal.singha	Dynamic Analysis of any mechanical components in nuclear power plant with earthquake excitation
	150103076	VIPUL KUMAR VIJAY	vipul.vijay	
	150103012	ARUN.V.KAMMATH	arun.kammath	
Group 2	150103082	MEGHDEEP JANA	meghdeep	Dynamic analysis of gas turbines system
	150103070	SUHAS MASANA	suhas.masana	
	150103058	ROHAN AGRAWAL	rohan.2015	
Group 3	150103022	BISHAL RAJ GAYAN	b.gayan	Study of balancing of engines of 3 different car models
	150103078	VISHAL BANSKUWA	v.banskuwa	
	150103040	KATRAVATH VIGNESH	v.katravath	
Group 4	150103020	BHASWATI GOHAIN BARUA	b.bhaswati	Dynamic analysis of 2 link robotic manipulator
	150103084	ABHINANDAN GOGOI	g.abhinandan	
Group 5	150103030	DIWAKAR KUMAR	k.diwakar	Vibration Analysis of Hybrid Engine
	150103008	AMAN ANAND	aman.anand	
	150103052	PENMETSA GOPAL KRISHNA	penmetsta	
Group 6	150103006	ALANKAR JHA	j.alankar	Dynamic analysis of general coach of railway bogie
	150103038	JATIN SONI	s.jatin	
	150103036	JASBIR SARMAL	jasbir	
Group 7	150103026	DESHMUKH SANDESH NITIN	d.nitin	Dynamic analysis of the rider sitting on a moving Tractor
	150103010	AMARJITH VISHNU	amarjith	
	150103028	DHONDE SHUBHAM PRAKASH	dhonde	

Group 8	150103068	SOMNATH VATS	v.somnath	Dynamic analysis of crane system using ADAMS
	150103018	BEJAWADA THARUNKUMAR	bejawada	
	150103062	SATYAM SAURABH	satyam.saurabh	
Group 9	150103002	ABHIJEET	abhijeet.2015	Dynamic analysis of grass cutter (Measure to reduce noise)
	150103014	ASHMIL C IBRAHIM	ashmil	
	150103086	ARNOB DUTTA	arnob.dutta	
Group 10	150103034	GURUDAYAL	gurudayal	Static & Dynamic force analysis of exoskeleton system
	150103032	GAURAV AGARWAL	gaurav.agarwal	
	150103048	NARNAWARE AJINKYA PRA	narnaware	
Group 11	150103004	ABHISHEK SARATHE	a.sarathe	Gyroscopic action of a system using modified Euler Equation
	150103074	UTTAMKUMARSINGH MANO	u.manojsingh	
	150103050	PAPPALA DINESH CHANDRA	c.pappala	
Group 12	150103042	KUSH GUPTA	kush.gupta	Dynamic analysis of a humanoid robot
	150103046	MUKESH KHOD	mukesh.khod	
group 13	140103054	PRAVIN KUMAR	pravin.2014	any problem of your choice

1. Read at least 3 to 4 related topics (may refer scopus or google).
 2. Formulate the problem
 3. Develop a simplified physical and mathematical model
 4. Solve the problem either by developing a matlab program or using ADAMS OR ANSYS or any other software.
 5. Write a brief report and prepare a ppt file for the same.
 6. Each group will get 10 minutes for presentation and 5 minutes for question answer.
- of presentation is on 18th November 2017 9 am-12 noon.**

Date