



THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015
TCE-III

S.No	One credit course need analysis sheet	
1.	Name of the Course	Mechanical Engineering perspective in Rocketry Systems
2.	Name of the Industry	DRDO, Hyderabad
3.	Name of the SIG associated with	Thermal Engineering
4.	Motivation for offering the course	To introduce opportunities in the field of aero space and defense research
4.1	Feedback (If yes, Details of the feedback as per the annexure I)	
	From Recruiter	Y/N
	From Employer	Y/N
	From Alumni	Y/N
	From Academic Council members	Y/N
	From Board of Studies members	Y/N
	From Senior students	Y/N
	From current students	Yes
	From Performance Assessment Committee	Yes
	From Department Advisory committee	Yes
4.2	Faculty participation in Seminar/FDP (If yes, details)	
	At higher learning institutes	
	At Industry	
5.	Outcomes expected	
	Technology transfer	
	Student Internship	Yes
	Placement	
	Organizing FDP/seminar at TCE	
	Collaborative research/consultancy projects	Yes
	Faculty as Trainee/Trainer in the Industry	
	Joint publications	
	Setting up of Lab/Infrastructure	



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TCE-III

Course Schedule

Name of the Course: Mechanical Engineering Perspective in Rocketry Systems

Name of the Industry: DRDO, Hyderabad

Name of the Expert: Dr.N.Manickam, scientist G (Rtd.), ASL , DRDO, Hyderabad and

Mr.S.Balaji, Scientist E , ASL, DRDO

Number of Students enrolled: 75

Name of the Faculty: M.S.Govardhanan

Date/Time/Venue: 19th and 20th September 2015, Mechanical Department

Seminar hall

S.no.	Session	Topics	Remarks
19.09.2015(Saturday)			
1	9.00 to10.30	overview of flight vehicle systems	
2.	10.45 to12.15	Structural Dynamics in rocket systems	
3.	12.15 to 13.45		
4.	14.15 to15.45	Aerospace Materials	
5.	16.00 to 17.30	Aerospace Fasteners	
20.09.2015(Sunday)			
6.	9.00 to 10.30	Propulsion	
7.	11.00 to 12.30	Control, guidance and navigation system	
8.	13.30 to 15.00	Mechanical Aspects of avionics packages	
9.	15.15 to 16.45	Challenges in Aerospace Technologies	

M. S. Govardhanan

Signature of the Faculty coordinator


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Course Instructor Feedback for One/Two credit course

TCE-III

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Seminar hall

	Comments
Student attendance	GOOD
Level of the students in understanding the concepts	GOOD
Any suggestions regarding new content to be included as Prerequisites/Special electives	GOOD
Hall/Lab arrangements	GOOD
Hospitality	GOOD