



**THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015**  
**TCE-III**

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



**THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015**  
**TCE-III**

Attendance sheet for the one/two credit

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 F , ASL, DRDO

Number of Students enrolled: 50

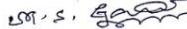
Name of the Faculty: M.S.Govardhanan

Date/Time/Venue: 22<sup>nd</sup> and 23<sup>rd</sup> September 2018 ,IT Department Seminar Hall

Thiagarajar College of Engineering, Madurai- 625 015  
Department of Mechanical Engineering  
V semester Students Attendance for Industry supported one credit course-  
14ME1B0- Mechanical Engineering Perspective in Rocketry Systems

S.No	Reg.No	Name	22.09.18	22.09.18	23.09.18	23.09.18
			FN	AN	FN	AN
1.	16G003	AHARISHKUMAR M B	M.B.Ah	M.B.Ah	M.B.Ah	M.B.Ah
2.	16G005	AJAY SUGUMAR S	S.Sug	S.Sug	S.Sug	S.Sug
3.	16G010	ARJUN A	A.Arj	A.Arj	A.Arj	A.Arj
4.	16G011	ARJUN KUMAR A E	A.E.Arj	A.E.Arj	A.E.Arj	A.E.Arj
5.	16G014	ARUN KUMAR S	S.Ar	S.Ar	S.Ar	S.Ar
6.	16G015	ASHWATH R G	←	ABSENT	→	→
7.	16G021	BARATHAN R	R.Bar	R.Bar	R.Bar	R.Bar
8.	16G022	BHARATHAN V	V.Bh	V.Bh	V.Bh	V.Bh
9.	16G023	BHARATH RAJ B .K	B.K.Bh	B.K.Bh	B.K.Bh	B.K.Bh
10.	16G025	DARUN ESWAR M K	M.K.Dar	M.K.Dar	M.K.Dar	M.K.Dar
11.	16G026	DEEPAK CHANDRU G	G.De	G.De	G.De	G.De
12.	16G028	DHARMARAJ M	M.Dh	M.Dh	M.Dh	M.Dh
13.	16G029	ERIC REUBEN J	J.Er	J.Er	J.Er	J.Er
14.	16G032	GOKUL S	S.Go	S.Go	S.Go	S.Go
15.	16G035	HARI KISHAN T V	V.H	V.H	V.H	V.H
16.	16G038	ILAYA SUDHARSANA R J	J.R	J.R	J.R	J.R
17.	16G039	IVAN SAM SANTOSHAM	I.S	I.S	I.S	I.S
18.	16G040	JEGADEESH J	J.J	J.J	J.J	J.J
19.	16G041	JEGANNATHAN K	K.J	K.J	K.J	K.J
20.	16G042	JEYAPRAKASH J S	S.J	S.J	S.J	S.J
21.	16G043	KALAI KUMAR S	S.K	S.K	S.K	S.K
22.	16G049	KAVIN M J	J.K	J.K	J.K	J.K
23.	16G050	KAVIRAJA V	V.K	V.K	V.K	V.K
24.	16G057	MOHAMED JAVID H	H.M	H.M	H.M	H.M
25.	16G058	MOHAMMED ARSHATH B	B.M	B.M	B.M	B.M
26.	16G060	MONISH N	N.M	N.M	N.M	N.M
27.	16G061	NAMENESH S S	S.N	S.N	S.N	S.N
28.	16G062	NAVEEN S	S.N	S.N	S.N	S.N
29.	16G063	NITHEESH M	←	ABSENT	→	→
30.	16G072	PRITHIVIRAJ MANIMARAN	←	ABSENT	→	→

S.No	Reg.No	Name	22.09.18	22.09.18	23.09.18	23.09.18	
			FN	AN	FN	AN	
31.	16G078	ROHAN ADITEYA V	R Aditeya	R Aditeya	R Aditeya	R Aditeya	
32.	16G079	RUFUS MENDEZ	Rufus	Rufus	Rufus	Rufus	
33.	16G081	SANKHALP P	Sankhalp	Sankhalp	Sankhalp	Sankhalp	
34.	16G088	SATHIYA BABU C	C.Sathiya	C.Sathiya	C.Sathiya	C.Sathiya	
35.	16G089	SELVA VASANTH N P M	N.P.M.Selva	N.P.M.Selva	N.P.M.Selva	N.P.M.Selva	
36.	16G090	SENTHAMIL RAJAN N	Senthamil	Senthamil	Senthamil	Senthamil	
37.	16G094	SHRINATH B	Shrinath	Shrinath	Shrinath	Shrinath	
38.	16G099	SUDEESH S	S.sudesh	S.sudesh	S.sudesh	S.sudesh	
39.	16G102	THAMBIDURAI S	S.Thambidurai	S.Thambidurai	S.Thambidurai	S.Thambidurai	
40.	16G103	THIRUMALRAJ S	ABSENT				
41.	16G108	VENKATESH R	R.Venkatesh	R.Venkatesh	R.Venkatesh	R.Venkatesh	
42.	16G110	VETRIVELAN@ MITHUN S	S.Vetrivelan	S.Vetrivelan	S.Vetrivelan	S.Vetrivelan	
43.	16G112	VIDYA SAGAR L B	L.B.Vidya	L.B.Vidya	L.B.Vidya	L.B.Vidya	
44.	16G114	VIJAY R	R.Vijay	R.Vijay	R.Vijay	R.Vijay	
45.	16G116	VISWESH KRISHNAN	N.Krishnan	N.Krishnan	N.Krishnan	N.Krishnan	
46.	16G120	AJITH KUMAR M	M.Ajith	M.Ajith	M.Ajith	M.Ajith	
47.	16G130	MAHESH KRISHNA S	S.Mahesh	S.Mahesh	S.Mahesh	S.Mahesh	
48.	16G136	RANJITH S	S.Ranjith	S.Ranjith	S.Ranjith	S.Ranjith	
49.	16G141	SHUMUGA SATHISH S	S.Sathish	S.Sathish	S.Sathish	S.Sathish	
50.	16G144	VIGNESH V	V.Vignesh	V.Vignesh	V.Vignesh	V.Vignesh	

  
COURSE CO ORDINATOR

HDME



Signature of the Faculty Coordinator



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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 F , ASL, DRDO

Number of Students enrolled: 50

Name of the Faculty: M.S.Govardhanan

Date/Time/Venue: 22<sup>nd</sup> and 23<sup>rd</sup> September 2018 ,IT Department Seminar hall

S.no.	Session	Topics	Remarks
22.09.2018(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	
23.09.2018(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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Date/Time/Venue: 22<sup>nd</sup> and 23<sup>rd</sup> September 2018 ,IT Department 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