



S.No	One credit course need analysis sheet	
1.	Name of the Course	14ME1HO- Finite Element Method for Product Development
2.	Name of the Industry	Mahindra Satyam Services Ltd, Bangalore
3.	Name of the SIG associated with	Engineering design
4.	Motivation for offering the course	
4.1	Feedback (If yes, Details of the feedback as per the annexure I)	
	From Recruiter	Y/N
	From Employer	Y/N
	From Alumni	Yes
	From Academic Council members	Y/N
	From Board of Studies members	Y/N
	From Senior students	Y/N
	From current students	Y/N
	From Performance Assessment Committee	Y/N
	From Department Advisory committee	Y/N
4.2	Faculty participation in Seminar/FDP (If yes, details)	
	At higher learning institutes	
	At Industry	
5.	Outcomes expected	
	Technology transfer	✓
	Student Internship	
	Placement	✓
	Organizing FDP/seminar at TCE	
	Collaborative research/consultancy projects	
	Faculty as Trainee/Trainer in the Industry	
	Joint publications	
	Setting up of Lab/Infrastructure	



THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015  
TCE-III

Attendance sheet for the one/two credit

Name of the Course: 14ME1HO- Finite Element Method for Product  
Development

Name of the Industry: Mahindra Satyam Services Ltd, Bangalore

Name of the Expert: Dr. Ganapathi Manickam

Number of Students enrolled: 22

Name of the Faculty: V.Balasubramani

Date/Time/Venue: 01.04.2017 – 9.00am to 5.00 pm – Mechanical Engineering  
Seminar Hall

  
Signature of the Faculty Coordinator



**THIAGARAJAR COLLEGE OF ENGINEERING: MADURAI - 625015**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**14ME1H0 Finite Element Method for Product Development**  
**III year- VI semester BE Mechanical Engineering**

S.No.	Reg. No.	Name	01.04.2017 FN	01.04.2017 AN	02.04.2017 FN	02.04.2017 AN
1	14G138	M. MANIKANDAN	M. Manikant.	M. Manikant.	M. Manikant.	M. Manikant.
2	14G132	B. KARTHIKEYAN	B. Karthikey.	B. Karthikey.	B. Karthikey.	B. Karthikey.
3	14G66	R. PRADEEP KUMAR	R.P.K.	R.P.K.	R.P.K.	R.P.K.
4	14G14	T. BHUVANESH KUMAR	T. Bhuvanesh	T. Bhuvanesh	T. Bhuvanesh	T. Bhuvanesh
5	14G134	M. KAVIN	M. Kevin	M. Kevin	ABSENT	M. Kevin
6	14G61	M. NISSHOK KUMAR	M. Nishshok Kumar	M. Nishshok Kumar	M. Nishshok Kumar	M. Nishshok Kumar
7	14G45	P. MANIGANDAN	P. Manigand.	P. Manigand.	P. Manigand.	P. Manigand.
8	14G119	K.A. ABDUL BASITH	Abbas.	Abbas.	Abbas.	Abbas.
9	14G48	M. MANOJ PRABAKAR	M. Manoj Praba.	M. Manoj Praba.	M. Manoj Praba.	M. Manoj Praba.
10	14G20	R.M. DINESH ADHITHYA	R.M. Dinesh Adithya	R.M. Dinesh Adithya	R.M. Dinesh Adithya	R.M. Dinesh Adithya
11	14G02	ABHISHEK SUDHARSAN	Abhishek	Abhishek	Abhishek	Abhishek
12	14G56	C.K. NARAJAN	C.K. Narajan	C.K. Narajan	C.K. Narajan	C.K. Narajan
13	14G555	MR. MURUGAPPAN	M. Murugappan	M. Murugappan	M. Murugappan	M. Murugappan
14	14G128	B. JAYA SUBRAMANIAM	B. Jaya Subramaniam	B. Jaya Subramaniam	B. Jaya Subramaniam	B. Jaya Subramaniam
15	14G10	M. BALAHARIKRISHNAN	M. Balahar Krishnan	M. Balahar Krishnan	M. Balahar Krishnan	M. Balahar Krishnan
16	14G28	R. JAYAKRISHNAN	R. Jayakrishnan	R. Jayakrishnan	R. Jayakrishnan	R. Jayakrishnan
17	14G144	T. SIVABALAN	T. Sivabalan	T. Sivabalan	T. Sivabalan	T. Sivabalan
18	14G142	E.K. SANJEEV	E.K. S.	ABSENT	E.K. S.	E.K. S.
19	14G36	S. KARTHIKEYAN	S. Karthikeyan	S. Karthikeyan	S. Karthikeyan	S. Karthikeyan
20	14G29	K.S. JAYANTH	K.S. Jayanth	K.S. Jayanth	K.S. Jayanth	K.S. Jayanth
21	14G139	R. MANIVASAGAN	R. Manivasagan	R. Manivasagan	R. Manivasagan	R. Manivasagan
22	14G07	P. ARUNKUMAR	P. Arunkumar	P. Arunkumar	P. Arunkumar	P. Arunkumar



THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

TCE-III

Course Schedule

Name of the Course: 14ME1HO- Finite Element Method for Product

Development

Name of the Expert: Dr. Ganapathi Manickam

Number of Students enrolled: 22

Name of the Faculty: V.Balasubramani

Date/Time/Venue: 01.04.2017 – 9.00am to 5.00 pm – Mechanical Engineering Seminar Hall

Date	Time	Topics	Remarks
Day1	9.00 am to 1.00 pm	Computer Aided Engineering- Overview , Engineering Mechanics, Strength of Materials , back ground to Finite Element Technology	
	2.00 pm to 5.00 pm	Modelling of the complex components- Industrial case studies (Including test correlations )	
Day2	9.00 am to 1.00 pm	Composites- Overview, Advanced Composites structures , Design of Composites	
	2.00 pm to 5.00 pm	Modelling of aspects of composites – Modelling of complex components -Industrial case studies	

  
Signature of the Faculty coordinator

THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015

Course Instructor Feedback for One/Two credit course

TCE-III

Name of the Course: 14ME1HO- Finite Element Method for Product

Development

Name of the Expert: Dr. Ganapathi Manickam

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Name of the Faculty: V.Balasubramani

Date/Time/Venue: 01.04.2017 - 9.00am to 5.00 pm - Mechanical Engineering

Seminar Hall

	Comments
Student attendance	Very good .
Level of the students in understanding the concepts	Good
Any suggestions regarding new content to be included as Prerequisites/Special electives	-
Hall/Lab arrangements	Very good .
Hospitality	Excellent .