



THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015
TCE-III

S.No	One credit course need analysis sheet	
1.	Name of the Course	Safety Engineering
2.	Name of the Industry	TISCO, Jamshedpur
3.	Name of the SIG associated with	
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	Y/N ✓
	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

Course Schedule

Name of the Course: Safety Engineering
 Name of the Industry: TISCO, Jamshedpur
 Name of the Expert: Mr. G. Karmegam
 Number of Students enrolled: 44
 Name of the Faculty: Dr. B. Ashok Kumar
 Date/Time/Venue:

List Enclosed

Date	Time	Topics	Remarks
Day1			
Day2			


 Signature of the Faculty coordinator

Thiagarajar College of Engineering, Madurai-15
 (A Govt. Aided ISO 9001:2008 Certified Autonomous Institution affiliated to Anna
 University)
 Department of Electrical & Electronics Engineering

06.03.17

One credit course
14EE1MO-Safety Engineering
 Schedule

Date	9.30 AM -11.00 AM	11.15 AM-1.15 PM	2.00 PM – 3.30 PM	3.45 PM-4.45 PM
04.03.17	Basics in Safety: Definitions- Hazards, risk, importance of safety in industries. General Aspects, Safety Culture	Fire Hazard: Fire chemistry, Dynamics of fire behavior, Fire properties of solid, liquid and gas, Fire spread, Toxicity of products of combustion. Classification of fire hazards, Indian Explosive acts and rules, OHSAS18001, Fire/Flame/Smoke detectors.	Classification of fire hazards, Indian Explosive acts and rules, OHSAS18001, Fire/Flame/Smoke detectors	Electrical Safety: Hazards, Effects of current flow, Energy leakage Clearance and insulation , Excess energy, Current surges , Protective devices Electrical causes of fire and explosion
05.03.17	Safety in electrical HV system: Hazards/Risks, Basic Work Practices, Clearances, Tools &Plants	Earthing, Safety Documents, Safety Precautions, Flash over, Hazards in TLM, Best practices- perspective.	Safety in Steel Plants: Processes, Hazards in Steel Plants, Gas Production, Gas Safety aspects, Steps taken at Tata Steel.	Case Studies: Gas exposure while working on gas lines and Developing work procedures for working in electrical system


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Course Instructor Feedback for One/Two credit course

TCE-III

Name of the Course: *Safety Engineering*
 Name of the Industry: *TISCO, Jamshedpur*
 Name of the Expert: *Mr. G. Karmegam*
 Date/Time/Venue:

	Comments
Student attendance	<i>44</i>
Level of the students in understanding the concepts	<i>Good</i>
Any suggestions regarding new content to be included as Prerequisites/Special electives	<i>Practical sessions can be conducted</i>
Hall/Lab arrangements	<i>Good</i>
Hospitality	<i>Good</i>

Signature of Head of the Department

04.03.17


ONE CREDIT COURSE: 14EE1M0 SAFETY ENGINEERING

B.E., EEE 2014 - 2018

III Year - 'B' Section

SI NO	Reg.No	Name	04.03.17	04.03.17	05.03.17	05.03.17
			FN	AN	FN	AN
1.	14E65	S.LAXMAN	<i>S.Laxman</i>	<i>S.Laxman</i>	<i>S.Laxman</i>	<i>S.Laxman</i>
2.	14E66	G.LOKESHWARAN	<i>G.Lokeshwaran</i>	<i>G.Lokeshwaran</i>	<i>G.Lokeshwaran</i>	<i>G.Lokeshwaran</i>
3.	14E67	T.MATHESWARAN	<i>T.Matheswaran</i>	<i>T.Matheswaran</i>	<i>T.Matheswaran</i>	<i>T.Matheswaran</i>
4.	14E71	J.MOHAN MANICKA VASAGAM	<i>J.Mohan Manicka Vasagam</i>	<i>J.Mohan Manicka Vasagam</i>	<i>J.Mohan Manicka Vasagam</i>	<i>J.Mohan Manicka Vasagam</i>
5.	14E74	K.MUTHU KOWSALYA	<i>K.Muthu Kowsalya</i>	<i>K.Muthu Kowsalya</i>	<i>K.Muthu Kowsalya</i>	<i>K.Muthu Kowsalya</i>
6.	14E75	B.MUTHUMEENA	<i>B.Muthumeena</i>	<i>B.Muthumeena</i>	<i>B.Muthumeena</i>	<i>B.Muthumeena</i>
7.	14E79	S.P.NANDHINI	<i>S.P.Nandhini</i>	<i>S.P.Nandhini</i>	<i>S.P.Nandhini</i>	<i>S.P.Nandhini</i>
8.	14E80	T.NAVEENA	<i>T.Naveena</i>	<i>T.Naveena</i>	<i>T.Naveena</i>	<i>T.Naveena</i>
9.	14E82	S.PADMANATHAN	<i>S.Padmanathan</i>	<i>S.Padmanathan</i>	<i>S.Padmanathan</i>	<i>S.Padmanathan</i>
10.	14E85	R.PRIYADHARSHINI	<i>R.Priyadharshini</i>	<i>R.Priyadharshini</i>	<i>R.Priyadharshini</i>	<i>R.Priyadharshini</i>
11.	14E86	S.PRIYANKA	<i>S.Priyanka</i>	<i>S.Priyanka</i>	<i>S.Priyanka</i>	<i>S.Priyanka</i>
12.	14E87	V.RAJALAKSHMI	<i>V.Rajalakshmi</i>	<i>V.Rajalakshmi</i>	<i>V.Rajalakshmi</i>	<i>V.Rajalakshmi</i>
13.	14E88	P.RAJU	<i>P.Raju</i>	<i>P.Raju</i>	<i>P.Raju</i>	<i>P.Raju</i>
14.	14E90	V.RAMASAMY	<i>V.Ramasamy</i>	<i>V.Ramasamy</i>	<i>V.Ramasamy</i>	<i>V.Ramasamy</i>
15.	14E91	C.RENGANAYAGI	<i>C.Renganayagi</i>	<i>C.Renganayagi</i>	<i>C.Renganayagi</i>	<i>C.Renganayagi</i>
16.	14E92	G.RENUKA	<i>G.Renuka</i>	<i>G.Renuka</i>	<i>G.Renuka</i>	<i>G.Renuka</i>
17.	14E93	S.RESHMA	<i>S.Reshma</i>	<i>S.Reshma</i>	<i>S.Reshma</i>	<i>S.Reshma</i>
18.	14E94	ROBERT BHADRA NAOREM	<i>Robert Bhadra Naorem</i>	<i>Robert Bhadra Naorem</i>	<i>Robert Bhadra Naorem</i>	<i>Robert Bhadra Naorem</i>
19.	14E95	V.SAI KRISHNA	<i>V.Sai Krishna</i>	<i>V.Sai Krishna</i>	<i>V.Sai Krishna</i>	<i>V.Sai Krishna</i>
20.	14E96	S.SAKTHI VISHNU	<i>S.Sakthi Vishnu</i>	<i>S.Sakthi Vishnu</i>	<i>S.Sakthi Vishnu</i>	<i>S.Sakthi Vishnu</i>
21.	14E97	G.R.SARANYA	<i>G.R.Saranya</i>	<i>G.R.Saranya</i>	<i>G.R.Saranya</i>	<i>G.R.Saranya</i>
22.	14E98	S.SARAVANAN	<i>S.Saravanan</i>	<i>S.Saravanan</i>	<i>S.Saravanan</i>	<i>S.Saravanan</i>
23.	14E100	K.SATHISH	<i>K.Sathish</i>	<i>K.Sathish</i>	<i>K.Sathish</i>	<i>K.Sathish</i>
24.	14E101	O.G.SETHU NANDAN	<i>O.G.Sethu Nandan</i>	<i>O.G.Sethu Nandan</i>	<i>O.G.Sethu Nandan</i>	<i>O.G.Sethu Nandan</i>
25.	14E102	G.R.SHARMILA DEVI	<i>G.R.Sharmila Devi</i>	<i>G.R.Sharmila Devi</i>	<i>G.R.Sharmila Devi</i>	<i>G.R.Sharmila Devi</i>
26.	14E103	M.SIVANESH BABU	<i>M.Sivanesh Babu</i>	<i>M.Sivanesh Babu</i>	<i>M.Sivanesh Babu</i>	<i>M.Sivanesh Babu</i>
27.	14E104	K.S.SOWBIKHA	<i>K.S.Sowbikha</i>	<i>K.S.Sowbikha</i>	<i>K.S.Sowbikha</i>	<i>K.S.Sowbikha</i>

28.	14E106	B.SUBILA	B. Sub	B. Sub	B. Sub	B. Sub
29.	14E107	S.SUJITHA	S. Sujitha	S. Sujitha	S. Sujitha	S. Sujitha
30.	14E108	M.SURIYADEVI	Suriya	Suriyali	Suriyali	Suriyali
31.	14E109	J.SWATHI POORNA	Swathi P.	Swathi P.	Swathi P.	Swathi P.
32.	14E111	A.THANGA ESWARI	A. Thanga	A. Thanga	A. Thanga	A. Thanga
33.	14E112	G.THILAGA	a	a	a	a
34.	14E113	R.VASANTHAN	R. Vasanthan	R. Vasanthan	R. Vasanthan	R. Vasanthan
35.	14E114	P.VEALATCHI	P. Vealatchi	P. Vealatchi	P. Vealatchi	P. Vealatchi
36.	14E115	G.VENKATESH	G. Venkatesh	G. Venkatesh	G. Venkatesh	G. Venkatesh
37.	14E116	E.VENKATESH	a	a	E. Venkatesh	E. Venkatesh
38.	14E119	S.VIGNESH	Vignesh	Vignesh	Vignesh	Vignesh
39.	14E120	T.VIJAYA BASKAR	a	T. Vijaya	T. Vijaya	T. Vijaya
40.	14E121	S.VIMAL RAAJ	Vimal Raj	Vimal Raj	Vimal Raj	Vimal Raj
41.	14E122	S.VINAYAGAMOORTHY	a	S. Vinay	S. Vinay	S. Vinay
42.	14E123	P.VINITH	P. Vinith	P. Vinith	P. Vinith	P. Vinith
43.	14E124	M.VINOTHINI	M. Vinothini	M. Vinothini	M. Vinothini	M. Vinothini
44.	14E125	V.VINOTHKUMAR	a	V. Vinoth	V. Vinoth	V. Vinoth
45.	14E127	K.ARUNKARTHIKEYAN	a	a	a	a
46.	14E135	S.KIRUTHIGA	S. Kiruthiga	S. Kiruthiga	S. Kiruthiga	S. Kiruthiga
47.	13E95	S.SHEIK MOHAMED HABISUDEEN	S. Sheik	S. Sheik	Permission	Permission.


 (B. Ashok Kumar)