



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	



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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: 76
Name of the Faculty: Dr. B. Ashok Kumar
Date/Time/Venue:

List Enclosed

Date	Time	Topics	Remarks
Day1			
Day2			


Signature of the Faculty coordinator

15.10.16

One credit course
E1K-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
15.10.16	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.	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.
16.10.16	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	76
Level of the students in understanding the concepts	Good
Any suggestions regarding new content to be included as Prerequisites/Special electives	Practical Sessions can be Conducted
Hall/Lab arrangements	Good
Hospitality	Good

S. Karmegam

Signature of Head of the Department

15.10.16

**One credit course on
 E1K-Safety Engineering
 Students Attendance Semester: V EEE (A)**

S.NO	REG NO	NAME OF THE STUDENT	15.10.16 FN	15.10.16 AN	16.10.16 FN	16.10.16 AN
1.	14E01	AARTHI.S.K	Aarth	Aarth	Aarth	Aarth
2.	14E03	ABHISHEK.P	P. Abhishek	P. Abhishek	P. Abhishek	P. Abhishek
3.	14E04	ABINAYA.K	K. Abinaya	K. Abinaya	K. Abinaya	K. Abinaya
4.	14E06	AMALARANI.K	K. Amalaji	K. Amalaji	K. Amalaji	K. Amalaji
5.	14E11	ARUNA DEVI.S	Aruna Devi	Aruna Devi	Aruna Devi	Aruna Devi
6.	14E12	ARUN KUMAR.R	R. Arunkumar	R. Arunkumar	R. Arunkumar	R. Arunkumar
7.	14E13	AZHAGUMEENA.K	K. Azhagumeen	K. Azhagumeen	K. Azhagumeen	K. Azhagumeen
8.	14E14	BALAJI.K.S	K.S. Balaji	K.S. Balaji	K.S. Balaji	K.S. Balaji
9.	14E15	BALAJI.S	Shaleji	Shaleji	Shaleji	Shaleji
10.	14E17	BALENDRA DAGEENDRAN	Baleendra	Baleendra	Baleendra	Baleendra
11.	14E18	BARAKATH AGEESHA.M.K	Ageesha	Ageesha	Ageesha	Ageesha
12.	14E20	CHARLES.S	S. Charles	S. Charles	S. Charles	S. Charles
13.	14E23	DEEPIKA.K	K. Deepika	K. Deepika	K. Deepika	K. Deepika
14.	14E25	DIVYA.R	R. Divya	R. Divya	R. Divya	R. Divya
15.	14E27	ELAKYA.A	A. Elakya	A. Elakya	A. Elakya	A. Elakya
16.	14E28	ESWARAKALYANI.C	C. Eswar	C. Eswar	C. Eswar	C. Eswar
17.	14E29	GAYATHRI.S.S	S.S. Gayathri	S.S. Gayathri	S.S. Gayathri	S.S. Gayathri
18.	14E30	GEETHANJALI.K	K. Geethanjali	K. Geethanjali	K. Geethanjali	K. Geethanjali
19.	14E31	GOKUL NATH.G.R.P	P. Gokulnath	P. Gokulnath	P. Gokulnath	P. Gokulnath
20.	14E32	GOKULA KRISHNAN.B	B. Gokul	B. Gokul	B. Gokul	B. Gokul
21.	14E34	HARI HARAN.B	B. Hariharan	B. Hariharan	B. Hariharan	B. Hariharan
22.	14E35	HARIDEVAN.G	G. Haridevan	G. Haridevan	G. Haridevan	G. Haridevan
23.	14E39	JAISHRI.J	J. Jaishri	J. Jaishri	J. Jaishri	J. Jaishri
24.	14E41	JAYALAKSHMI.G	G. Jayalaxmi	G. Jayalaxmi	G. Jayalaxmi	G. Jayalaxmi
25.	14E42	JAYASREE.N	N. Jayasree	N. Jayasree	N. Jayasree	N. Jayasree
26.	14E43	JENISH SWEETLIN BRIGHT.J	J. Jenish Sweetlin	J. Jenish Sweetlin	J. Jenish Sweetlin	J. Jenish Sweetlin
27.	14E44	JESLIN KEBA.J	J. Jeslin Keba	J. Jeslin Keba	J. Jeslin Keba	J. Jeslin Keba
28.	14E45	JEYA PRAKASH .C.K	C.K. Jeyaprakash	C.K. Jeyaprakash	C.K. Jeyaprakash	C.K. Jeyaprakash
29.	14E46	JEYASHEELA.P	P. Jeyasheel	P. Jeyasheel	P. Jeyasheel	P. Jeyasheel
30.	14E49	KALAISELVI.R	R. Kalaiselvi	R. Kalaiselvi	R. Kalaiselvi	R. Kalaiselvi
31.	14E50	KAMESH SUBRAMANIAN.C	C. Kamesh	C. Kamesh	C. Kamesh	C. Kamesh
32.	14E51	KANAGASELVARAMU.M	M. Kanagaselvaramu	M. Kanagaselvaramu	M. Kanagaselvaramu	M. Kanagaselvaramu
33.	14E52	KANDASAMY.C	C. Kandasamy	C. Kandasamy	C. Kandasamy	C. Kandasamy
34.	14E54	KARPAGA PRIYA.V.J	J. Karpaga Priya	J. Karpaga Priya	J. Karpaga Priya	J. Karpaga Priya
35.	14E57	KARTHICK.K	K. Karthick	K. Karthick	K. Karthick	K. Karthick
36.	14E58	KAVIPRIYA.B	B. Kavipriya	B. Kavipriya	B. Kavipriya	B. Kavipriya
37.	14E59	KAVIYA.K	K. Kaviya	K. Kaviya	K. Kaviya	K. Kaviya

38.	14E60	KAYAL VIZHI.M	M. Kuy	M. Kuy	M. Kuy	M. Kuy
(39)	14E61	KEERTHANA.N				
40.	14E62	KHAGOKPAM CHALAMBA	R. Chalambe	R. Chalambe	R. Chalambe	R. Chalambe
41.	14E126	ANANTHARAJ.S	S. Anthy	S. Anthy	S. Anthy	S. Anthy
42.	14E128	ASWINI MAI.S.B	S.B. Maib	S.B. Maib	S.B. Maib	S.B. Maib
43.	14E131	BALAJI.N	N. Raj	N. Raj	N. Raj	N. Raj
44.	14E132	GOKUL NATH.V.M	V.M. Gokulnath	V.M. Gokulnath	V.M. Gokulnath	V.M. Gokulnath
45.	14E133	HARIHARAN.A.R	A.R. Hariharan	A.R. Hariharan	A.R. Hariharan	A.R. Hariharan
46.	14E136	KRISHNA VINEHA.S.A	S.A. Krishna	S.A. Krishna	S.A. Krishna	S.A. Krishna
47.	14E137	LAKXMANAN.V	V. Lakshmanan	V. Lakshmanan	V. Lakshmanan	V. Lakshmanan
48.	14E138	MUTHU RAJ.G				
49.	14E143	PRITHVIRAJ.P	P. Prithviraj	P. Prithviraj	P. Prithviraj	P. Prithviraj
50.	14E148	SELVAKUMAR.A	A. Selvakumar	A. Selvakumar	A. Selvakumar	A. Selvakumar
51.	14E149	SUBHASHINI.M	M. Subhashini	M. Subhashini	M. Subhashini	M. Subhashini
52.	14E150	TAMILARASAN.K	K. Tamil	K. Tamil	K. Tamil	K. Tamil

53. 14E21 CHINGKHEINGANBA.L

54. 14E78 NANDHINI BALU

Chingheing. Chingheing. Chingheing. Chingheing
Nandhini Balu Nandhini Balu Nandhini Balu Nandhini Balu

B. Ashok Kumar

(B. Ashok Kumar)