

ANNA UNIVERSITY, CHENNAI

AFFILIATED INSTITUTIONS

REGULATIONS 2013

M.E. INDUSTRIAL SAFETY ENGINEERING

I TO IV SEMESTERS (FULL TIME) CURRICULUM AND SYLLABUS

SEMESTER I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA7167	Probability and Statistical Methods	3	1	0	4
2.	IS7101	Principles of Safety Management	3	0	0	3
3.	IS7102	Environmental Safety	3	1	0	4
4.	IS7103	Occupational Health and Industrial Hygiene	3	0	0	3
5.	IS7104	Industrial Safety, Health and Environment Acts	4	0	0	4
6.		Elective I	3	0	0	3
TOTAL			19	2	0	21

SEMESTER II

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	IS7201	Fire Engineering and Explosion Control	4	0	0	4
2.	IS7202	Computer Aided Hazard Analysis	3	1	0	4
3.	IS7203	Electrical Safety	4	0	0	4
4.	IS7204	Maintainability Engineering	3	0	0	3
5.		Elective II	3	0	0	3
6.		Elective III	3	0	0	3
PRACTICAL						
7.	IS7211	Industrial Safety Laboratory	0	0	3	2
8.	IS7212	Hazard Assessment in Industry – Mini Project	0	0	3	2
TOTAL			20	1	6	25

SEMESTER III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	IS7301	Reliability Engineering	4	0	0	4
2.		Elective IV	3	0	0	3
3.		Elective V	3	0	0	3
PRACTICAL						
4.	IS7311	Project Work (Phase I)	0	0	12	6
TOTAL			10	0	12	16

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Principal,

Knowledge Institute of Technology
Kakaoalayam (Po), Salem-637 604

SEMESTER IV

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
PRACTICAL						
1.	IS7411	Project Work (Phase II)	0	0	24	12
TOTAL			0	0	24	12

TOTAL CREDITS TO BE EARNED FOR THE AWARD OF THE DEGREE = 74

LIST OF ELECTIVES FOR M.E. INDUSTRIAL SAFETY ENGINEERING**SEMESTER I (Elective I)**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	IS7001	Quality Engineering in Production Systems	3	0	0	3
2.	IS7002	Artificial Intelligence and Expert systems	3	0	0	3
3.	IS7003	Work Study and Ergonomics	3	0	0	3
4.	IS7004	Dock Safety	3	0	0	3
5.	IS7005	Safety in Construction	3	0	0	3

SEMESTER II (Elective II & III)

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	IS7006	Transport Safety	3	0	0	3
2.	IS7007	Fireworks safety	3	0	0	3
3.	IS7008	Safety in Powder Handling	3	0	0	3
4.	IS7009	Nuclear Engineering and Safety	3	0	0	3
5.	IS7010	Safety in Textile Industry	3	0	0	3
6.	IS7011	Safety in Mines	3	0	0	3

SEMESTER III (Elective IV & V)

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	IS7012	Safety in Engineering Industry	3	0	0	3
2.	IS7013	Plant Layout and Materials Handling	3	0	0	3
3.	IS7014	Disaster Management	3	0	0	3
4.	IS7015	OHSAS 18000 and ISO 14000	3	0	0	3
5.	IS7016	Human Factors in Engineering	3	0	0	3
6.	IS7017	Safety in Chemical Industries	3	0	0	3