

**AFFILIATED INSTITUTIONS**  
**ANNA UNIVERSITY, CHENNAI**  
**REGULATIONS 2013**  
**CURRICULUM I TO VI SEMESTERS (PART TIME)**  
**M.E. INDUSTRIAL ENGINEERING**

**SEMESTER I**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1	MA7155	Applied Probability and Statistics	3	1	0	4
2	IL7102	Optimization Techniques	3	1	0	4
3	IL7103	Operations Management	3	1	0	4
<b>PRACTICAL</b>						
4	IL7111	Work Design and Ergonomics Laboratory	0	0	2	1
<b>TOTAL</b>			<b>9</b>	<b>3</b>	<b>2</b>	<b>13</b>

**SEMESTER II**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1	IL7201	Manufacturing Systems and Models	3	0	0	3
2	IL7202	Systems and Simulation	3	0	0	3
3	IL7203	Quality Engineering	3	0	0	3
<b>PRACTICAL</b>						
4	IL7211	Computer Applications Laboratory	0	0	3	2
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>3</b>	<b>11</b>

**SEMESTER III**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1	IL7101	Work Design and Ergonomics	3	0	0	3
2	IL7104	Facilities Design	3	0	0	3
3		Elective I	3	0	0	3
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>0</b>	<b>9</b>

**SEMESTER IV**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1	IL7204	Logistics and Supply Chain Management	3	0	0	3
2		Elective II	3	0	0	3
3		Elective III	3	0	0	3
<b>PRACTICAL</b>						
4	IL7212	Technical Seminar	0	0	2	1
<b>TOTAL</b>			<b>9</b>	<b>0</b>	<b>2</b>	<b>10</b>

**SEMESTER V**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>THEORY</b>						
1.	IL7301	Design of Experiments and Taguchi Methods	3	1	0	4
2.		Elective IV	3	0	0	3
3.		Elective V	3	0	0	3
<b>PRACTICAL</b>						
4.	IL7311	Project Work (Phase I)	0	0	12	6
<b>TOTAL</b>			<b>9</b>	<b>1</b>	<b>12</b>	<b>16</b>

**SEMESTER VI**

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
<b>PRACTICAL</b>						
1.	IL7411	Project Work (Phase II)	0	0	24	12
<b>TOTAL</b>			<b>0</b>	<b>0</b>	<b>24</b>	<b>12</b>

**TOTAL NUMBER OF CREDITS TO BE EARNED FOR AWARD OF THE DEGREE: 71**

## LIST OF ELECTIVES FOR M.E. INDUSTRIAL ENGINEERING

### Elective I

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	IL7001	Advanced Optimization Techniques	3	0	0	3
2.	IL7002	Reliability Engineering Models	3	0	0	3
3.	IL7003	Scheduling Algorithms	3	0	0	3
4.	IL7004	Product Innovation and Development	3	0	0	3
5.	IL7005	Productivity Management and Re-Engineering	3	0	0	3
6.	IL7006	Total Quality Management	3	0	0	3
7.	IS7204	Maintainability Engineering	3	0	0	3
8.	IL7007	Human Factors and Ergonomics	3	0	0	3

### Elective II & III

SL. NO	COURSE CODE	COURSE TITLE	L	T	P	C
1.	IL7008	Software Quality Engineering	3	0	0	3
2.	IL7009	Engineering Economics and Costing	3	0	0	3
3.	IL7010	Lean Manufacturing and Six Sigma	3	0	0	3
4.	IL7011	Decision Support and Intelligent Systems	3	0	0	3
5.	IL7012	Design and Analysis of Algorithms	3	0	0	3
6.	IL7013	Applied Object Oriented Programming	3	0	0	3
7.	IL7014	Management Accounting and Financial Management	3	0	0	3
8.	IL7015	Industrial Automation	3	0	0	3

**Elective IV & V**

<b>SL. NO</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
1.	IL7016	Business Excellence Models	3	0	0	3
2.	IL7017	Knowledge Management	3	0	0	3
3.	IL7018	Systems Science and Engineering	3	0	0	3
4.	IL7019	Industrial Safety and Hygiene	3	0	0	3
5.	IL7020	Logistics and Distribution Management	3	0	0	3
6.	CM7022	Project Management	3	0	0	3
7.	IL7021	Services Operations Management	3	0	0	3
8.	IL7022	Multi Variate Data Analysis	3	0	0	3
9.	IL7023	Technology Management	3	0	0	3
10.	IL7024	Data Analytics	3	0	0	3
11.	IL7025	Systems Analysis and Design	3	0	0	3
12.	IL7026	Cellular Manufacturing Systems	3	0	0	3