

ANNA UNIVERSITY :: CHENNAI – 600 025

DEGREE OF BACHELOR OF ENGINEERING
(8 SEMESTER PROGRAMME)

BRANCH: B.E.PRODUCTION ENGINEERING
CURRICULUM

Code No.	Course Title	L	T	P	M
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SEMESTER 1

(Applicable to candidates to be admitted in 2003 – 2004)

THEORY

CM125	Chemistry I	3	0	0	100
GE131	Engineering Mechanics	3	1	0	100
L1	Language Elective I	3	1	0	100
MA131	Mathematics I	3	1	0	100
PH125	Physics I	3	0	0	100

PRACTICAL

GE132	Computer Practice I	1	0	3	100
GE133	Workshop Practice	0	0	4	100
CM126	Chemistry Laboratory	0	0	2	100
PH126	Physics Laboratory	0	0	2	100

Code No.	Course Title	L	T	P	M
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SEMESTER 2

(Applicable to candidates to be admitted in 2003 – 2004)

THEORY

CM134	Chemistry II	3	0	0	100
IT132	Electrical Engineering	3	0	0	100
EL132	Electronics Engineering	3	0	0	100
L2	Language Elective II	3	1	0	100
MA132	Mathematics II	3	1	0	100
PH138	Physics II	3	0	0	100

PRACTICAL

GE135	Computer Practice II	1	0	3	100
GE134	Engineering Graphics	1	0	3	100

1. The Syllabi for other courses of I and II semester may be followed as given under Syllabi 1 – 4.
2. The Revised Syllabi for MA131, MA132 should be followed.

The following curriculum is applicable to all candidates studying 2nd and 3rd year in the academic year 2003- 2004

SEMESTER 3

THEORY

AT231	Engineering Thermodynamics	3	1	0	100
AE231	Fluid Mechanics and Machinery	3	0	0	100
PR235	Manufacturing Processes	3	0	0	100
MA231	Mathematics III	3	1	0	100
AT232	Solid Mechanics	3	1	0	100

PRACTICAL

PR233	Machine Drawing	1	0	3	100
PR232	Material Testing and IC Engines Laboratory	0	0	3	100
PR234	Production Process Laboratory	0	0	3	100

SEMESTER 4

THEORY

PR239	Engineering Metallurgy	3	0	0	100
PR238	Fluid Power Drives and Controls	3	1	0	100
PR237	Machine Tools and CNC Machines	3	1	0	100
PR236	Mechanics of Machines	3	1	0	100
MA038	Numerical Methods	3	1	0	100

PRACTICAL

IT244	Electrical Sciences Laboratory	0	0	3	100
PR241	Fluid Power Lab	0	0	3	100
PR240	Metallurgy Lab	0	0	3	100

SEMESTER 5

THEORY

PR332	Design of Machine Elements	3	1	0	100
PR335	Foundry Technology	3	0	0	100
PR334	Metal Forming Theory and Practice	3	1	0	100
PR333	Metrology and Computer Aided Inspection	3	0	0	100
PR331	Quantitative Techniques in Management	3	1	0	100
PR336	Welding Technology	3	0	0	100

PRACTICAL

PR338	Metrology Lab	0	0	3	100
PR337	Production Drawing	0	0	3	100

SEMESTER 6

THEORY

E1***	Elective I	3	0	0	100
E2***	Elective II	3	0	0	100
PR339	Financial Management and Accounting	3	0	0	100
PR340	Theory of Metal Cutting	3	0	0	100
PR341	Tool Design and Drawing	2	0	3	100

PRACTICAL

PR343	CAD Lab	0	0	4	100
PR344	Design Project	0	0	3	100
PR342	Metal Cutting and Metal Forming Lab	0	0	4	100

SEMESTER 7**THEORY**

CE071	Principle of Environmental Science and Engineering	3	0	0	100
GE035	Professional Ethics	3	0	0	100
PR434	Computer Integrated Manufacturing Systems	3	0	0	100
PR432	Operation Planning and Cost Estimation	3	1	0	100
PR433	Quality Control and Reliability Engineering	3	1	0	100

PRACTICAL

PR435	CNC Machines Lab	0	0	3	100
PR436	Comprehension, Seminar, Term Paper	0	0	3	100
PR437	Industrial Training	0	0	3	100

SEMESTER 8**THEORY**

GE406	Total Quality Management	3	0	0	100
E3***	Elective III	3	0	0	100

PRACTICAL

PR438	Project Work	0	0	12	200
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ELECTIVES FOR B.E. PRODUCTION ENGINEERING

ELECTIVES FOR VI SEMESTER

Code No.	Course Title	L	T	P	M
PR034	Finite Element Applications in Manufacturing	3	0	0	100
PR035	Object Oriented Programming Systems	3	0	0	100
PR036	Computer Aided Product Design and Manufacture	3	0	0	100
PR037	Machine Tool Controls and Dynamics	3	0	0	100
PR038	Systems and Simulation	3	0	0	100
PR041	Production of Automotive Components	3	0	0	100
PR043	Industrial Robotics and Material Handling Systems	3	0	0	100
PR044	Mechatronics	3	0	0	100
PR047	Precision Engineering	3	0	0	100
PR050	Purchasing and Materials Management	3	0	0	100
PR051	Management Information Systems	3	0	0	100
PR052	Business Process Re-Engineering and Management System Design	3	0	0	100
PR053	Industrial Safety Engineering	3	0	0	100
HS053	Communication Skills for Engineers	2	0	2	100

ELECTIVES FOR VIII SEMESTER

Code No.	Course Title	L	T	P	M
GE034	Creativity, Innovation and New Product Development	2	0	2	100
PR039	Product Design and Process Engineering	3	0	0	100
PR040	Management of Systems	3	0	0	100
PR042	Surface Engineering	3	0	0	100
PR045	Terro Technology	3	0	0	100
PR046	Advanced Manufacturing Processes	3	0	0	100
PR048	Knowledge Based Systems in Manufacturing	3	0	0	100
PR054	Ergonomics	3	0	0	100
GE037	Intellectual Property Rights (IPR)	3	0	0	100
GE038	Indian Constitution and Society	3	0	0	100

LANGUAGE ELECTIVES

Code No.	Course Title	L	T	P	M
HS035	Technical German I	3	1	0	100
HS036	Technical German II	3	1	0	100
HS037	Technical Japanese I	3	1	0	100
HS038	Technical Japanese II	3	1	0	100
HS039	Technical French I	3	1	0	100
HS040	Technical French II	3	1	0	100
HS041	English I	3	1	0	100
HS042	English II	3	1	0	100