

Curriculum Structure of ME -Industrial Design

1st Semester

S. No.	Course Code	Course Name	L	T	P	Credits
1.	IDN 511	Creative Engineering Design	3	0	0	3
2.	IDN 512	Product Form and Aesthetics	3	0	0	3
3.	MAN 503	Advanced Mathematics	3	0	0	3
4.		Elective I	3	0	0	3
5.		Elective II	3	0	0	3
6.	IDN 510	Program Lab - I Industrial Design Lab	0	0	3	2
Total						17

2nd Semester

S. No.	Course Code	Course Name	L	T	P	Credits
1.	MAN 505	Design of Experiments and Research Methodology	3	0	0	3
2.	IDN521	Product Design and Development	3	0	0	3
3.	IDN 522	Applied Ergonomics	3	0	0	3
4.		Elective III	3	0	0	3
5.		Open Elective*	3	0	0	3
6.	IDN 520	Program Lab – II** Human Engineering Lab	0	0	3	2
Total						17

* It could be intra/inter department ME course

** To include minimum of 2 industrial visits of half day duration to nearby industries.

3rd Semester

S. No.	Course Code	Course Name	L	T	P	Credits
1.	IDN 531	Case Histories and Industry Experiences [#]	0	0	2	1
2.	IDN 532	Seminar and Technical writing	0	0	2	1
3.	IDN 598	Project/Industry-based Project – I	0	0	24	12
Total						14

To include 4 to 5 invited lectures from industrial experts.

4th Semester

S. No.	Course Code	Course Name	L	T	P	Credits
1.	IDN 599	Project/Industry-based Project - II	0	0	36	18
Total						18

List of Program Elective-I , II and III (Any three)

Course Code	Course Name	L T P	Credits
IDN 551	Materials, Manufacturing and Design	3-0-0	3
PRN 555	Finite Element Analysis	3-0-0	3
PRN 511	Designs and Manufacture of Mechanical Assemblies	3-0-0	3
IDN 552	Design Management	3-0-0	3
IDN 553	Modeling and Simulation	3-0-0	3
IDN 554	Mechatronics System Design	3-0-0	3
IDN 555	Mechanism Design	3-0-0	3
IDN 556	Interaction Design	3-0-0	3
IDN 557	Usability Engineering	3-0-0	3
PRN 562	Plastics Engineering	3-0-0	3
PRN 551	Non Conventional Machining Processes	3-0-0	3
IDN 558	Physiological Signals Acquisition and Processing	3-0-0	3
IDN 559	Advanced CAD for medical applications	3-0-0	3
Total			09
Program Elective Total		15-0-0	09

List of Open Elective (Any One)

Course Code	Course Name	L T P	Credits
PRN 571	Quality Management System	3-0-0	3
PRN 572	Value Engineering	3-0-0	3
Total			03