

M. Des. (Industrial Design)

Teaching Scheme

I Year: Autumn Semester

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage %				
S. No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
1	IDN-501**	Introduction to Design and Prototyping	PCC	Audit	15	5	10	02	-	35	35	-	30	-
2	IDN-503	Design Thinking	PCC	3	1	0	4	2	0	10-25	25	15-25	-	30-40
3	IDN-505	Elements and Principles of Visual Design	PCC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
4	IDN-507	Human Factor Design	PCC	3	1	2	0	2	0	20-35	-	20-30	40-50	-
5	IDN-509	Materials and Manufacturing	PCC	3	1	1	2	2	0	10-25	25	15-25	-	30-40
6	IMN-503	Effective Communication	PCC	2	1	1	0	0	2	20-35	20-30	-	-	40-50
7	IDN-513	Ideation Project	PCC	4	1	0	6	-	-	-	100	-	-	-
8		Program Elective I	PEC	3/4	-	-	-	-	-	-	-	-	-	-
Sub Total				21/22										

** This is a foundation course which will be running for 7-10 days to give orientation of Design course. It will be held before actual start of the semester teaching.

\$\$ Evaluation scheme: (Industry: 40 + Institute: 60) Internship will be completed during summer break.

*May be completed through online mode (for example, NPTEL).

II Year: Spring Semester

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage %				
S. No.	Course Code	Course Title	Subject Area	Credit	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
1	IDN-701 B	Design Project (Phase – II)	DIS	12	-	-	-	-	-	-	-	-	100	-
Sub Total				12										
Total				70/73										

Basket of Elective Courses for M. Des. (Industrial Design)

Basket 1 Engineering Group

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S. No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
First Semester														
1	IDN-521	Sensors, Actuators and IOT	PEC	3	2	0	2	2	0	10-25	25	15-25	30-40	-
2	IDN-522	Computer Aided Design	PEC	3	2	0	2	2	0	10-25	25	15-25	30-40	-
3	IDN-523	Rapid Prototyping	PEC	3	2	0	2	2	0	10-25	25	15-25	30-40	-
4	IDN-546	Product Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
5	EEN-524	Intelligent Sensors and Instrumentation	PEC	4	3	0	2	3	0	10-25	25	15-25	30-40	-
Second Semester														
1	ECN-578	Digital Systems Design	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-
2	IDN-525	CAE in Product Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
3	IDN-526	Reverse Engineering	PEC	3	2	0	2	2	0	10-25	25	15-25	30-40	-
Third Semester														
1	IDN-527	Artificial Intelligence and Data Science	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-547	Manufacturing Guidelines for Product Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
3	AID-505	Machine Learning	PEC	4	3	1	0	3	0	20-35	-	20-30	40-50	-

Basket 2 Management Group

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S. No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
	First Semester													
1	IDN-528	Product Planning and Marketing	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
	Second Semester													
1	IMN-505	Business Valuation	PEC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
2	IDN-530	Business and Service Innovation	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
3	IMN-506	Intellectual Property Management	PEC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
4	IMN-510	Product Innovation Management	PEC	2	2	0	0	2	0	20-35	-	20-30	40-50	-
	Third Semester													
1	IDN-531	Legal Standards/IPR	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-532	Systems Thinking	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

Basket 3 Design Group

Teaching Scheme					Contact Hrs Per Week			Exam Duration		Relative Weightage%				
S. No.	Course Code	Course Title	Subject Area	Credits	L	T	P	T	P	CWS	PRS	MTE	ETE	PRE
		First Semester												
1	IDN-533	User Experience Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
		Second Semester												
1	IDN-534	Interaction Design	PEC	3	2	0	2	2	0	10-25	25	15-25	30-40	-
2	IDN-536	Service Design	PEC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
3	IDN-537	Research into Design	PEC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
4	IDN-538	Bio Inspired Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
5	IDN-548	Inter-Disciplinary Design	PEC	3	2	0	2/2	2	0	15-30	20	15-25	30-40	-
6	IDN-549	Design for Social Inclusion	PEC	3	2	0	2/2	2	0	15-30	20	15-25	30-40	-
		Third Semester												
1	IDN-535	Mobility Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-539	Computer Game Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
3	IDN-540	Design for Society	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
4	IDN-541	Graphic Design	PEC	3	2	0	2	2	0	10-25	25	15-25	30-40	-
5	IDN-542	Product Detailing	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
6	IDN-543	Contemporary Visual Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
7	IDN-544	Representation Techniques for Animation	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
8	IDN-545	Visual Narrative	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

Basket 4 On-line mode: NPTEL

A list of approved NPTEL courses by DAPC will be provided to students.

Course duration: 20hrs

The courses will be PEC without laboratory work