

## PROGRAM STRUCTURES OF THE PROPOSED MASTERS PROGRAMS

## (a) M. Des. (Industrial Design)

Teaching SchemeYear: 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	20-35	20-30	20-30	40-50	-
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	20-35	20-30	20-30	40-50	-
6	IDN-511	Effective Communication	PCC	2	1	1	0	2	0	20-35	-	20-30	40-50	-
7	IDN-513	Ideation Project	PCC	4	1	0	6	-	-	-	100	-	-	-
8		Program Elective I	PEC	3	-	-	-	-	-	-	-	-	-	-
Sub Total				21										

\*\* 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.

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## Annexure- II: Structures of Masters Programs

### I Year: Spring 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-502	Design Methodology	PCC	3	2	0	2	2	0	20-35	20-30	20-30	40-50	-
2	IDN-504	Form Design	PCC	3	1	0	4	0	4	20-35	20-30	-	-	40-50
3	IDN-506	Design for Sustainability	PCC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
4	IDN-508	Creation Project	PCC	5	-	-	10	-	-	-	100	-	-	-
5	IDN-510	Design Seminar	PCC	2	-	-	4	-	-	100	-	-	-	-
6		Program Elective II	PEC	3	-	-	-	-	-	20-35	-	20-30	40-50	-
7		Program Elective III	PEC	3	-	-	-	-	-	20-35	-	20-30	40-50	-
Sub Total				22										

### II Year: Autumn 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-702	Internship (Industrial Training/ Project/ Interaction)	SEM	4	-	-	-	-	-	-	-	-	-	100 <sup>\$\$</sup>
2		Program Elective IV	PEC	3	-	-	-	-	-	15-35	-	25-35	40-50	-
3		Program Elective V*	PEC	3	-	-	-	-	-	-	-	-	-	-
4	IDN-701A	Design Project (Phase – I)	DIS	5	-	-	-	-	-	-	-	-	-	100
Sub Total				15										

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

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

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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
		<b>Sub Total</b>		12										
		<b>Total</b>		70										

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
<b>First Semester</b>														
1	IDN-521	Sensors, Actuators and IOT	PEC	3	2	0	2	2	0	20-35	20-30	20-30	40-50	-
2	IDN-522	Computer Aided Design	PEC	3	2	0	2	2	0	20-35	20-30	20-30	40-50	--
3	IDN-523	Rapid Prototyping	PEC	3	2	0	2	2	0	20-35	20-30	20-30	40-50	--
<b>Second Semester</b>														
4	IDN-524	Digital Systems Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
5	IDN-525	CAE in Product Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
6	IDN-526	Reverse Engineering	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
<b>Third Semester</b>														
7	IDN-527	Artificial Intelligence and Data Science	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

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## 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
	<b>First Semester</b>													
1	IDN-528	Product Planning and Marketing	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
	<b>Second Semester</b>													
2	IDN-529	Valuation	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
3	IDN-530	Business and Service Innovation	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
	<b>Third Semester</b>													
4	IDN-531	Legal Standards/IPR	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
5	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
	<b>First Semester</b>													
1	IDN-533	User Experience Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
	<b>Second Semester **</b>													
1	IDN-534	Interaction Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-535	Mobility Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
3	IDN-536	Service Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
1	IDN-537	Research into Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-538	Bio Inspired Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
	<b>Third Semester</b>													
1	IDN-539	Computer Game Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-540	Design for Society	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

\*\* Student can take PEC either from first three or last two subjects.

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## Basket 4 Visual 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
<b>First Semester</b>														
1	IDN-541	Graphic Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
<b>Second Semester</b>														
1	IDN-542	Product Detailing	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-543	Contemporary Visual Design	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
<b>Third Semester</b>														
1	IDN-544	Representation Techniques for Animation	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
2	IDN-545	Visual Narrative	PEC	3	3	0	0	3	0	20-35	-	20-30	40-50	-

## Basket 5 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

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(a) **MIM (Masters in Innovation Management)****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	IMN-501	Design Thinking	PCC	3	1	0	4	2	0	20-35	-	20-30	40-50	-
2	IMN-503	Effective Communication	PCC	2	1	1	0	0	2	20-35	20-30	-	-	40-50
3	IMN-505	Business Valuation	PCC	3	2	1	0	3	0	20-35	-	20-30	40-50	-
4	IMN-507	Innovative Entrepreneurship Strategies	PCC	3	2	0	2	2	0	20-35	-	20-30	40-50	20-30
5	IMN-509	Legal Aspects of Business	PCC	2	2	0	0	2	0	20-35	-	20-30	40-50	-
6	IMN-511	Business Decision Making	PCC	3	3	0	0	3	0	20-35	-	20-30	40-50	-
7	IMN-513	Contemporary Management Practices	PCC	2	2	0	0	2	0	20-35	-	20-30	40-50	-
Sub Total				18										

**I Year: Spring 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	IMN-502	Technology Management	PCC	2	2	0	0	2	0	20-35	-	20-30	40-50	-
2	IMN-504	Contemporary Strategic Management	PCC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
3	IMN-506	Intellectual Property Management	PCC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
4	IMN-508	Process Innovation Management	PCC	2	2	0	0	2	0	20-35	-	20-30	40-50	-
5	IMN-510	Product Innovation Management	PCC	2	2	0	0	2	0	20-35	-	20-30	40-50	-
6	IMN-512	Innovative Services and Business Models	PCC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
7	IMN-514	Financing and Marketing of Innovation	PCC	3	2	1	0	2	0	20-35	-	20-30	40-50	-
Sub Total				18										

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**II 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	IMN-601	Summer Training	SEM	3	-	-	-	-	-	-	-	-	-	100
2	IMN-602	Project	RP	2	-	-	-	-	-	-	-	-	-	100
3		Elective I	PEC	3	-	-	-	-	-	-	-	-	-	-
4		Elective II	PEC	3	-	-	-	-	-	-	-	-	-	-
5		Elective III	PEC	3	-	-	-	-	-	-	-	-	-	-
6		Elective IV	PEC	3	-	-	-	-	-	-	-	-	-	-
7		Elective V	PEC	3	-	-	-	-	-	-	-	-	-	-
Sub Total				20										

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**II Year: Spring 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	IMN-603	Project (Continued from Sem III)	RP	18	-	-	-	-	-	-	-	-	100	-
Sub Total				18										
Grand Total				74										

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## List of Elective Courses for MIM (Innovation Management):

S. No.	Course Code	Subject Name	Credit	L	T	P	Exam Dur. (Hrs)		Relative Weightage (%)				
							T	P	CWS	PR S	MTE	ETE	PRE
1	IMN-521	IP Portfolio Management	3	2	1	0	2	--	20-35	-	20-30	40-50	-
2	IMN-522	Intellectual Capital and Corporate Value Creation	3	2	1	0	2	--	20-35	-	20-30	40-50	-
3	IMN-523	Licensing and Commercialization of IP	3	2	1	0	2	--	20-35	-	20-30	40-50	-
4	IMN-524	Diffusion of Innovations in Social networks	3	2	1	0	2	--	20-35	-	20-30	40-50	-
5	IMN-525	Design for Extreme Affordability	3	2	1	0	2	--	20-35	-	20-30	40-50	-

-200- All the elective subjects for MBA and M Des Course are also available for the students of MIM as PECs.

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Dr.