

Lingaya's Vidyapeeth, Faridabad

Scheme of Studies
B Tech Degree Programme (Regular)
(Common to all Disciplines)
1st Year

1st YEAR SEMESTER – I

SN	Category	Course Code	Course Name	L-T-P	Cr.
1	BSC	BSC-101	Physics	3-1-0	4
2	BSC	BSC-103	Mathematics-I	3-1-0	4
3	ESC	ESC-101	Basic Electrical Engineering	3-1-0	4
4	ESC	ESC-103	Introduction To Computer Systems & Internet Basics	3-0-0	3
5	ESC	ESC-153	Engineering Graphics & Design	0-0-6	3
6	HSS	HSS-101	English	2-0-0	2
7	BSC	BSC-151	Physics Lab	0-0-2	1
8	ESC	ESC-151	Basic Electrical Engineering Lab	0-0-2	1
9	HSS	HSS-151	English Lab	0-0-2	1
10	MC	MC-101	Environmental Science	2-0-0	0
11	PDP	PDP-101	Induction & Nurturing Hobbies	0-0-2	1
				16-3-14	24

1st YEAR SEMESTER – II

SN	Category	Course Code	Course Name	L-T-P	Cr.
1	BSC	BSC 102	Chemistry	3-1-0	4
2	BSC	BSC-104	Mathematics-II	3-1-0	4
3	ESC	ESC-102	Programming for problem solving	3-0-0	3
4	HSS	HSS-102	Effective Technical Communication	3-0-0	3
5	ESC	ESC-154	Workshop/Manufacturing Practice	0-0-4	2
6	BSC	BSC 152	Chemistry Lab	0-0-2	1
7	ESC	ESC-152	Programming for problem solving Lab	0-0-4	2
8	PDP	PDP-102	People Connect	0-0-2	1
9	MC	MC-102	Constitution of India	2-0-0	0
				14-2-12	20

3rd Semester

CODE	SUBJECT	L-T-P	CR	Remark
BSC-201	Math-III (Numerical Methods)	3 1 0	4	Common for ME/AE/CE/ASM
ME-201C	Manufacturing Processes	3 1 0	4	Common for ME/AE/CE/ASM
ME-203C	Fluid Mechanics	3 1 0	4	Common for ME/AE/CE/ASM
ME-205C	Engineering Mechanics	3 1 0	4	Common for ME/AE/CE/ASM
ME-207C	Thermodynamics	3 0 0	3	Common for ME/AE/CE/ASM
ME-209C	Basics of Electronics Engineering	3 1 0	4	Common for ME/AE/CE/ASM
ME-211C	Math-III (Numerical Methods) Lab	3 0 0	4	Common for ME/AE/CE/ASM
ME-251C	Manufacturing Processes Lab	0 0 2	1	Common for ME/AE/CE/ASM
ME-253C	Fluid Mechanics lab	0 0 2	1	Common for ME/AE/CE/ASM
PDP201	Personality Development and Grooming	2 0 0	1	Common for ME/AE/CE/ASM
		Total	30	

4th Semester

CODE	SUBJECT	L-T-P	CR	
ME 202 C	Applied Thermodynamics	3 1 0	4	Common for ME/AE/MES
ME 204 C	Strength Of Material	3 0 0	3	Common for ME/AE/MES
ME 206 C	Fluid Machinery	3 1 0	4	Common for ME/AE/MES
ME 208 C	Kinematics of Machine	3 1 0	4	Common for ME/AE/MES
HSS	Engineering Management	3 0 0	3	Common for ME/AE/MES
ME 252 C	Applied Thermodynamics Lab	3 1 0	4	Common for ME/AE/MES
ME 254 C	Strength Of Material- Lab	0 0 2	1	Common for ME/AE/MES

ME 256 C	Fluid Machinery Lab	0 0 2	1	Common for ME/AE/MES
ME258C	Kinematics of Machine Lab	0 0 2	1	Common for ME/AE/MES
ME260C	Machine Drawing	0 0 2	1	Common for ME/AE/MES
PDP202	Life Skills	2 0 0	1	Common for ME/AE/MES
		Total	27	

5th Semester Automation and Smart Manufacturing				
CODE	SUBJECT	L-T-P	CR	REMARKS
ME 301 C	Dynamics of Machine	3- 1- 0	4	Common for ME/AE/MES
ME 303 C	Manufacturing Technology	3 -0 -0	3	Common for ME/AE/MES
ME 305 C	Heat Transfer	3 -1- 0	4	Common for ME/AE/MES
ME 307 C	Solid Mechanics	3 -1 -0	4	Common for ME/AE/MES
ME 309 C	Design of Machine Elements	3 -1 -0	4	Common for ME/AE/MES
ME 351 C	Dynamics of Machine Lab	0 -0 -2	1	Common for ME/AE/MES
ME 353C	Manufacturing Technology Lab	0 -0 -2	1	Common for ME/AE/MES
ME 355 C	Heat Transfer Lab	0 -0 -2	1	Common for ME/AE/MES
MC -III	Essence of Indian Traditional Knowledge	0 -0 -0		Common for ME/AE/MES
PDP301	Leadership & Entrepreneurship Development	2-0-0	1	Common for ME/AE/MES
		Total	23	

6th Semester Automation and Smart Manufacturing			
CODE	SUBJECT	L-T-P	CR
ME-302C	Computer Integrated Manufacturing	3 0 0	3
MES-304C	PLC for Automation	4 0 0	4

MES-306C	IoT for Smart Manufacturing	4 0 0	4
MES-308C	Python for Automation	4 0 0	4
MES-310C	Industry 4.0	3 0 0	3
ME-352C	Computer Integrated Manufacturing Lab	0 0 2	1
MES-354C	Automation Lab-I	0 0 2	1
MES-356C	IoT for Smart Manufacturing Lab	0 0 2	1
MES-358C	Python Lab	0 0 2	1
PDP302	Problem Solving Skills	2-0-0	1
	Total		23

7th Semester	Automation and Smart Manufacturing		
MEOE-401B	Industrial Robots	3 0 0	3
MES-403B	Smart Manufacturing Systems	4 0 0	4
MES-405B	Additive Manufacturing	3 0 0	4
MES-407B	Smart Sensors For Automation	4 0 0	4
MES-455B	Additive Manufacturing Lab	0 0 4	1
MES-459B	Automation Lab-II	0 0 2	1
ME-400B	Seminar	0-0-2	1
ME-496B	Project Work	0 0 8	4
PDP401	Campus to Corporate	2-0-0	1
	TOTAL	16-0-16	24

(VIII SEMESTER)

Course code	Course title	L	T	P	Credits
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ME-406C	INTERNSHIP	0	0	32	16
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Course code	Course title	L	T	P	Credits
ME-402C	Online Mode -MOOC	3	0	0	3