KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF MECHATRONICS

REGULATION - 2021

Branch	SEM	Subject code	Subject	Author	Title	Publisher	Year
MI	I	U21MEG01	ENGINEERING GRAPHICS	M.H.Annaiah & Rajashekar Patil	Computer Aided Engineering Drawing	New Age International	2012
MI	I	U21MEG01	ENGINEERING GRAPHICS	D.M.Kulkarni, A.P.Rastogi, A.K.Sarkar,	Engineering Graphics with AutoCAD	PHI Learning Private	2010
MI	I	U21MA101	CALCULUS AND DIFFERENTIAL EQUATIONS	James Stewart	Calculus: Early Transcendental	Cengage Learning	2015
MI	I	U21PH101	ENGINEERING PHYSICS	Shatendra Sharma and Jyotsna Sharma	Engineering Physics	Pearson India Education	2018
MI	I	U21MEG01	ENGINEERING GRAPHICS	Sam Tickoo	AutoCAD 2013 for Engineers and Designers	Dream tech Press	2013
MI	I	U21MA101	CALCULUS AND DIFFERENTIAL EQUATIONS	Thomas G B and Finney R L	Calculus and Analytic Geometry	Pearson Education	2018
MI	I	U21PH101	ENGINEERING PHYSICS	Thyagaran K, Ajoy Ghatak	Lasers – Fundamantals and Applications	Laxmi Publications	2019
MI	I	U21CY101	ENGINEERING CHEMISTRY	Shikha Agarwal	Engineering Chemistry	Fundamentals and	2015
MI	I	U21CSG01	PROBLEM SOLVING AND C PROGRAMMING	Juneja, B. L and Anita Seth	Programming in C	Cengage Learning India	2011
MI	I	U21MEG01	ENGINEERING GRAPHICS	Venugopal K. and Prabhu Raja V	Engineering Graphics	New Age International	2019
MI	I	U21CY101	ENGINEERING CHEMISTRY	Prasanta Rath	Engineering Chemistry	Cengage Learning India	2015
MI	I	U21MEG01	ENGINEERING GRAPHICS	ND Bhat & VM Panchal	Engineering Drawing	Charotar Publishing	2013
MI	I	U21CSG01	PROBLEM SOLVING AND C PROGRAMMING	Paul Deitel and Harvey Deitel	C How to Program	Pearson Publication	
MI	I	U21PH101	ENGINEERING PHYSICS	Bhattacharya D K and Poonam Tandon,	Engineering Physics	Oxford University	2017
MI	I	U21MA101	CALCULUS AND DIFFERENTIAL EQUATIONS	Maurice D Weir, Joel Hass and Christopher	Thomas Calculus	Pearson Education	2018
MI	I	U21CSG01	PROBLEM SOLVING AND C PROGRAMMING	Brian W. Kernighan and Dennis Ritchie	The C Programming Language	Pearson	2015

MI	I	U21CSG01	PROBLEM SOLVING AND C PROGRAMMING	Reema Thareja	Programming in C	Oxford University	2016
MI	I	U21MA101	CALCULUS AND DIFFERENTIAL EQUATIONS	Erwin Kreyszig	Advanced Engineering Mathematics	Wiley India	2018
MI	I	U21EN101	ENGLISH FOR TECHNOLOGISTS	Raymond Murphy	Intermediate English Grammar	Cambridge University	2009
MI	I	U21MEG01	ENGINEERING GRAPHICS	Natrajan K.V.	A text book of Engineering Graphics	Dhanalakshmi Publishersq	2017
MI	I	U21CY101	ENGINEERING CHEMISTRY	Vairam S, Kalyani P and Suba Ramesh	Engineering Chemistry	Wiley India Pvt. Ltd	2014
MI	I	U21EN101	ENGLISH FOR TECHNOLOGISTS	Ashraf Rizvi	Effective Technical Communication	Mc Graw – Hill	2017
MI	I	U21EN101	ENGLISH FOR TECHNOLOGISTS	Rod Ellis	English for Engineers & Technologists	Orient Black Swan	1990
MI	I	U21PH101	ENGINEERING PHYSICS	Marikani A	Engineering Physics	PHI publishers	2021
MI	I	U21EN101	ENGLISH FOR TECHNOLOGISTS	Orient Black Swan	Using English: "A Coursebook for	Orient Black Swan	2017
MI	I	U21MA101	CALCULUS AND DIFFERENTIAL EQUATIONS	Bali N P and Dr Manish Goyal	A text book of Engineering Mathematics	Laxmi Publications	2016
MI	I	U21PH101	ENGINEERING PHYSICS	Avadhanulu M N, Kshirsagar P G and Arun	A Text book of Engineering Physics	S Chand Publishing	2018
MI	I	U21MEG01	ENGINEERING GRAPHICS	Basant Aggarwal	Engineering Drawing,	Tata Mc Graw Hill Education	2010
MI	I	U21CSG01	PROBLEM SOLVING AND C PROGRAMMING	Pradip Dey, Manas Ghosh	Fundamentals of Computing and	Oxford University	2009
MI	I	U21EN101	ENGLISH FOR TECHNOLOGISTS	Thomas L Means	English and Communication for Colleges	Cengage	2017
MI	I	U21MA101	CALCULUS AND DIFFERENTIAL EQUATIONS	Grewal B S	Higher Engineering Mathematics	Khanna Publishers	2017
MI	I	U21CY101	ENGINEERING CHEMISTRY	Jain P C and Monika Jain	Engineering Chemistry	Dhanpat Rai Publishing	2015
MI	II	U21EN201	PERSONALITY ENHANCEMENT	Meenakshi Raman & Sangeetha Sharma	Professional English: for AKTU	Oxford University	2018
MI	II	U21EN201	PERSONALITY ENHANCEMENT	Barun. K.Mitra.	Personality Development and Soft Skills	OUP India	2016
MI	II	U21EN201	PERSONALITY ENHANCEMENT	Using English	A Coursebook for Undergraduate Engineersand Technologists	Orient BlackSwan,	2017

MI	II	U21EN201	PERSONALITY ENHANCEMENT	Means, Thomas L	English and Communication for Colleges	Cengage	2017
MI	II	U21CSG02	PYTHON PROGRAMMING	Robert Sedgewick, Kevin Wayne, Robert	Introduction to Programming in Python: An	Pearson India Education	2016
MI	II	U21MA201	LAPLACE TRANSFORMS AND COMPLEX VARIABLES	James Stewart	Calculus: Early Transcendental	Cengage Learning	2015
MI	II	U21MA201	LAPLACE TRANSFORMS AND COMPLEX VARIABLES	Thomas G B and Finney R L	Calculus and Analytic Geometry	Pearson Education	2018
MI	II	U21EC101	INTRODUCTION TO ELECTRICAL AND	Bhattacharya S K	Electrical Machines	McGraw-Hill	2017
MI	II	U21EC101	INTRODUCTION TO ELECTRICAL AND	Mitchel E Schultz	Basic Electronics	McGraw-Hill	2017
MI	II	U21EC101	INTRODUCTION TO ELECTRICAL AND	Bali S P	Consumer Electronics	Pearson Education	2008
MI	II	U21CSG02	PYTHON PROGRAMMING	William McKinney	Python for Data Analysis: Data Wrangling with	Shroff/O'Reilly Publication,	2017
MI	II	U21CSG02	PYTHON PROGRAMMING	Ashok Namdev Kamthane and Amit	Programming and Problem Solving with Python	McGrawHill Education	2018
MI	II	U21PH201	MATERIALS SCIENCE	Wahab M A	Solid State Physics: Structure and Properties of	Narosa Publishing	2018
MI	II	U21ME201	ENGINEERING MECHANICS	Beer, F.P and Johnston Jr. E.R	Vector Mechanics for Engineers: Statics and	Tata McGraw–Hill	2014
MI	II	U21ME201	ENGINEERING MECHANICS	S. Timoshenko,D.H. Young,J.V.	Engineering Mechanics	TMH Education	2016
MI	II	U21ME201	ENGINEERING MECHANICS	Sanjay Bansal, R.K. Bansal	A Textbook of Engineering Mechanics	Laxmi Publications	2011
MI	II	U21CSG02	PYTHON PROGRAMMING	Reema Thareja	Python programming: Using problem solving approach	Oxford Press	2017
MI	II	U21ME201	ENGINEERING MECHANICS	Vela Murali	Engineering Mechanics	Oxford University	2010
MI	II	U21MA201	LAPLACE TRANSFORMS AND COMPLEX VARIABLES	Erwin Kreyszig	Advanced Engineering Mathematics	Wiley India	2018
MI	II	U21ME201	ENGINEERING MECHANICS	S. S. Bhavikatti	Engineering Mechanics	New Age International	2016
MI	II	U21PH201	MATERIALS SCIENCE	Pillai S O	Solid State Physics	New Age International	2020
MI	II	U21CSG02	PYTHON PROGRAMMING	Allen B. Downey	Think Python: How to Think Like a Computer Scientist	Updated for Python 3,	2016

MI	II	U21PH201	MATERIALS SCIENCE	Marikani A	Materials Science	PHI publishers	2017
MI	II	U21EC101	INTRODUCTION TO ELECTRICAL AND	A.K.Sawhney	A course in Electrical and Electronic Measurements	Dhanpat Rai & Sons	2005
MI	II	U21MA201	LAPLACE TRANSFORMS AND COMPLEX VARIABLES	Bali N P and Dr Manish Goyal	A text book of Engineering Mathematics	Laxmi Publications	2016
MI	II	U21MA201	LAPLACE TRANSFORMS AND COMPLEX VARIABLES	Grewal B S	Higher Engineering Mathematics	Khanna Publishers	2017
MI	III	U21MI302	KINEMATICS OF MACHINERY	Singh.V.P	Theory of Machines	Dhanpat Raj&Co	2017
MI	III	U21MI302	SENSORS AND SIGNAL PROCESSING	Simon Haykin and Barry Van Veen	Signals and Systems	Wiley	2021
MI	III	U21MI303	MANUFACTURING PROCESSES	Michael Fitzpatrick	Machining and CNC Technology	Tata McGraw-Hill	2013
MI	III	U21MI302	SENSORS AND SIGNAL PROCESSING	Patranabis.D	Sensors and Transducers	PHI	2011
MI	III	U21MI303	MANUFACTURING PROCESSES	Mishra.P.K	Non Conventional Machining	Narosa Publishing	2018
MI	III	U21MA303	FOURIER ANALYSIS AND BOUNDARY VALUE PROBLEMS	Wylie C. R. and Barrett L. C	Advanced Engineering Mathematics	Tata McGraw-Hill	2016
MI	III	U21MI303	KINEMATICS OF MACHINERY	Uicker.J.J., Pennock G.R and Shigley J.E	Theory of Machines and Mechanisms	Oxford University	2014
MI	III	U21MI304	KINEMATICS OF MACHINERY	Khurmi R.S., and Gupta K	Theory of Machines	Chand & Co	2020
MI	III	U21MI303	MANUFACTURING PROCESSES	Groover M.P,	Fundamentals of Modern Manufacturing	John Wiley & Sons	2015
MI	III	U21MI303	MANUFACTURING PROCESSES	Jain V.K	Advanced Machining Process	Allied Publishers	2010
MI	III	U21MI304	ELECTRICAL DRIVES AND CONTROL	Gobal K. Dubey	Fundamentals of Electrical Drives	Narosa Publishing	2022
MI	III	U21MA303	FOURIER ANALYSIS AND BOUNDARY VALUE PROBLEMS	Erwin Kreyszig	Advanced Engineering Mathematics	Wiley India	2018
MI	III	U21MA303	FOURIER ANALYSIS AND BOUNDARY VALUE PROBLEMS	Narayanan S, Manicavachagom Pillay	Advanced Mathematics for Engineering Students	S. Viswanathan	1998
MI	III	U21MI304	ELECTRICAL DRIVES AND CONTROL	Bimbara B.S	Power Electronics	Khanna Publishers	2018

MI	III	U21MI305	ELECTRONIC DEVICE AND DIGITAL CIRCUITS	Jacob Millman, Christos C Halkias, Satyabrata Jit	Electronic Device and circuits	Tata McGraw-Hill	2015
MI	III	U21MI305	ELECTRONIC DEVICE AND DIGITAL CIRCUITS	A.Anand Kumar	Fundamentals of Digital Circuits	PHI Learning Private	2013
MI	III	U21MI301	KINEMATICS OF MACHINERY	Rattan S.S	Theory of Machines	Tata McGraw-Hill	2017
MI	III	U21MI302	SENSORS AND SIGNAL PROCESSING	Sawhney.A.K	A course in Electrical and Electronic Measurements	Dhanpat Raj&Co	2015
MI	III	U21MI304	ELECTRICAL DRIVES AND CONTROL	Vedam Subrahmanyam	Electric Drives: Concept and Application	Tata McGraw-Hill	2017
MI	III	U21MA303	FOURIER ANALYSIS AND BOUNDARY VALUE PROBLEMS	Bali N.P and Manish Goyal	A text book of Engineering Mathematics	Laxmi Publications	2016
MI	III	U21MI304	ELECTRICAL DRIVES AND CONTROL	Singh.M.D and Kanchandhani K.B	Power Electronics	Tata McGraw-Hill	2017
MI	III	U21MI305	ELECTRONIC DEVICE AND DIGITAL CIRCUITS	Thomas.L.Floyd	Digital Fundamentals	Prentice Hall	2015
MI	III	U21MI302	SENSORS AND SIGNAL PROCESSING	D Choudhury Roy	Linear Integrated Circuits	New Academic	2018
MI	III	U21MI303	MANUFACTURING PROCESSES	Kalpakjian.S	Manufacturing Engineering and Technology	Pearson	2018
MI	III	U21MI303	MANUFACTURING PROCESSES	Rao P.N	Manufacturing Technology (Vol1&2)	Tata McGraw-Hill	2013
MI	III	U21MI304	ELECTRICAL DRIVES AND CONTROL	Theraja B.L., & Theraja .A.K	A Textbook of Electrical Technology	S. Chand & Co	2015
MI	III	U21MI305	ELECTRONIC DEVICE AND DIGITAL CIRCUITS	M.Morris Mano, Micheal D Ciletti	Digital Design	Pearson	2018
MI	III	U21MA303	FOURIER ANALYSIS AND BOUNDARY VALUE PROBLEMS	Grewal B. S	Higher Engineering Mathematics	Khanna Publishers	2017
MI	III	U21MI305	ELECTRONIC DEVICE AND DIGITAL CIRCUITS	S.Salivahnan, N.Sureshkumar,	Electronic Device and circuits	Tata McGraw-Hill	2015
MI	IV	U21MI403	PROGRAMMABLE AUTOMATION CONTROLLERS	Petruzelia Frank D	Programmable Logic Controllers	Tata McGraw-Hill	2019
MI	IV	U21MI404	MICROCONTROLLER AND EMBEDDED SYSTEMS	Wayne Wolf	Computers as components: Principles of Embedded	Elsevier	2013
MI	IV	U21SSG01	SOFT SKILLS – I	Prashant Sharma	Soft Skills: Personality Development for Life	BPB Publications	2022

MI	IV	U21MI401	DYNAMICS OF MACHINERY	Singh.V.P	Theory of Machines	Dhanpat Raj&Co	2017
MI	IV	U21MA404	STATISTICS AND NUMERICAL METHODS	Gupta S C and Kapoor V K	Fundamentals of Mathematical Statistics	Sultan Chand Publishers	2014
MI	IV	U21MI402	CONTROL SYSTEM ENGINEERING	Benjamin C Kuo	Automatic Control Systems	Prentice Hall	1995
MI	IV	U21SSG01	SOFT SKILLS – I	Jeff Butterfield	Problem Solving and Decision Making	Course Technology	2010
MI	IV	U21MI402	CONTROL SYSTEM ENGINEERING	Bhattacharya S K	Control System Engineering	Pearson	2013
MI	IV	U21MI401	DYNAMICS OF MACHINERY	Khurmi R.S., and Gupta K	Theory of Machines	Chand & Co	2020
MI	IV	U21MI401	DYNAMICS OF MACHINERY	Uicker.J.J., Pennock G.R and Shigley J.E	Theory of Machines and Mechanisms	Oxford University	2014
MI	IV	U21MI404	MICROCONTROLLER AND EMBEDDED SYSTEMS	Ramesh Goankar	Microprocessor 8085 Architecture, Programming	Penram International	2013
MI	IV	U21MI404	MICROCONTROLLER AND EMBEDDED SYSTEMS	Mazidi, Muhammad Ali, Mckinlay, Rolin D	PIC Microcontroller and Embedded Systems using	Pearson	2021
MI	IV	U21MI404	MICROCONTROLLER AND EMBEDDED SYSTEMS	Frank Vahid and Tony Givagis	Embedded System Design	Wiley	2018
MI	IV	U21MA404	STATISTICS AND NUMERICAL METHODS	Johnson R A, Miller I, Freund J, Miller and	Probability and Statistics for Engineers	Pearson Education	2015
MI	IV	U21MI402	CONTROL SYSTEM ENGINEERING	Norman.S. Nise	Control System Engineering	John Wiley & Sons	2018
MI	IV	U21MA404	STATISTICS AND NUMERICAL METHODS	Grewell B S	Numerical methods in Science and Engineering	Khanna Publishers	2015
MI	IV	U21MI402	CONTROL SYSTEM ENGINEERING	Ogata K	Modern Control Engineering	PHI	2012
MI	IV	U21MI401	DYNAMICS OF MACHINERY	Rattan S.S	Theory of Machines	Tata McGraw-Hill	2017
MI	IV	U21MA404	STATISTICS AND NUMERICAL METHODS	Bali N P and Manish Goyal	A textbook of Engineering Mathematics	Laxmi Publishers	2016
MI	IV	U21MI404	MICROCONTROLLER AND EMBEDDED SYSTEMS	Muhammad Ali Mazidi, Janice Gillipse Mazidi,	The 8051 Microcontroller and Embedded Systems	Pearson	2007
MI	IV	U21MI402	CONTROL SYSTEM ENGINEERING	Nagrath J and Gopal M	Control System Engineering	New Age International	2007