

UNIVERSITY DEPARTMENTS , RTU, KOTA

LIST OF OPEN CATEGORY COURSES

Department offering Open category course	Year/Sem	Course Code	Paper Code	Subject Name	Type	CORE/ELECTIVE	Group	Max Marks Internal	Max Marks External	Credit/Unit
Electronics and Communication Engineering	4 Sem.	EIL241	EIL241	Introduction to Instrumentation System and Transducer	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	4 Sem.	EIL242	EIL242	Linear Integrated Circuits	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	4 Sem.	EIL243	EIL243	Industrial Automation	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	4 Sem.	ECL241	ECL241	Digital System Design	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	4 Sem.	ECL242	ECL242	Control System	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	4 Sem.	ECL243	ECL243	CONSUMER ELECTRONICS	TH	ELECTIVE	7	50	100	3
Mechanical Engineering	4 Sem.	MEL215	MEL215	Industrial Safety	TH	ELECTIVE	21	50	100	3
Mechanical Engineering	4 Sem.	MEL216	MEL216	Total Quality Management	TH	ELECTIVE	21	50	100	3
Petroleum and Petrochemical Engineering	4 Sem.	PEL209	PEL209	Unit Operation in industries	TH	ELECTIVE	12	50	100	3
Computer Science and Engineering	4 Sem.	CSL282	82OCE	Artificial Intelligence and Applications	TH	ELECTIVE	10	50	100	3

Computer Science and Engineering	4 Sem.	CSL284	84OCE	Fundamental of DBMS	TH	ELECTIVE	10	50	100	3
Computer Science and Engineering	4 Sem.	CSL285	85OCE	Software Tools and Techniques	TH	ELECTIVE	10	50	100	3
Civil Engineering	4 Sem.	CEL209	CEL209	Disaster Management	TH	ELECTIVE	12	50	100	3
Electrical Engineering	4 Sem.	EEL104	EEL104	Electrical Machines and Drives	TH	ELECTIVE	11	50	100	3
Electronics and Communication Engineering	5 Sem.	EIL356	EIL356	Basic Biomedical Engineering	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	5 Sem.	EIL357	EIL357	Measurement And Instrumentation	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	5 Sem.	EIL358	EIL358	SMART AGRICULTURE	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	5 Sem.	ECL356	ECL356	Telecommunication Engineering	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	5 Sem.	ECL357	ECL357	Industrial Electronic System Design	TH	ELECTIVE	7	50	100	3
Electronics and Communication Engineering	5 Sem.	ECL358	ECL358	Electronics in Agriculture	TH	ELECTIVE	7	50	100	3
Mechanical Engineering	5 Sem.	MEL214	MEL214	Research Methodology and Intellectual Property Rights	TH	ELECTIVE	17	50	100	3
Mechanical Engineering	5 Sem.	MEL336	MEL336	Solar Engineering	TH	ELECTIVE	17	50	100	3
Petroleum and Petrochemical Engineering	5 Sem.	PEL312	PEL312	Transportation of Petrochem Products	TH	ELECTIVE	9	50	100	3

Petroleum and Petrochemical Engineering	5 Sem.	PEL313	PEL313	Modern Separation Techniques	TH	ELECTIVE	9	50	100	3
Computer Science and Engineering	5 Sem.	CSL273	73OCO	Fundamental of Computer Networks	TH	ELECTIVE	11	50	100	3
Computer Science and Engineering	5 Sem.	CSL274	74OCO	Operating System Concepts	TH	ELECTIVE	11	50	100	3
Computer Science and Engineering	5 Sem.	CSL275	75OCO	Cloud Computing and Applications	TH	ELECTIVE	11	50	100	3
Computer Science and Engineering	5 Sem.	CSL276	76OCO	Cyber Security	TH	ELECTIVE	11	50	100	3
Civil Engineering	5 Sem.	CEL317	CEL317	Remote Sensing Essentials	TH	ELECTIVE	10	50	100	3
Electrical Engineering	5 Sem.	EEL105	EEL105	Power Generation Sources	TH	ELECTIVE	13	50	100	3
Electronics and Communication Engineering	6 Sem.	EIL366	EIL366	Process Control System	TH	ELECTIVE	7	50	100	4
Electronics and Communication Engineering	6 Sem.	EIL367	EIL367	Industrial Instrumentation	TH	ELECTIVE	7	50	100	4
Electronics and Communication Engineering	6 Sem.	EIL368	EIL368	Neural Network And Fuzzy Logic Controller	TH	ELECTIVE	7	50	100	4
Electronics and Communication Engineering	6 Sem.	ECL366	ECL366	Digital Signal Processing	TH	ELECTIVE	7	50	100	4
Electronics and Communication Engineering	6 Sem.	ECL367	ECL367	Digital Image and Video Processing	TH	ELECTIVE	7	50	100	4
Electronics and Communication Engineering	6 Sem.	ECL368	ECL368	Communication Systems	TH	ELECTIVE	7	50	100	4
Mechanical Engineering	6 Sem.	MEL317	MEL317	Lean and Agile Manufacturing	TH	ELECTIVE	16	50	100	4

Mechanical Engineering	6 Sem.	MEL412	MEL412	Rapid Prototyping	TH	ELECTIVE	16	50	100	4
Mechanical Engineering	6 Sem.	MEL413	MEL413	Business Analytics	TH	ELECTIVE	16	50	100	4
Mechanical Engineering	6 Sem.	MEL415	MEL415	Computer Aided Manufacturing	TH	ELECTIVE	16	50	100	4
Petroleum and Petrochemical Engineering	6 Sem.	PEL314	PEL314	Hydrocarbon Engineering	TH	ELECTIVE	8	50	100	4
Petroleum and Petrochemical Engineering	6 Sem.	PEL315	PEL315	Unconventional Energy Resources	TH	ELECTIVE	8	50	100	4
Computer Science and Engineering	6 Sem.	CSL281	81OCE	Basics of Big Data Analysis	TH	ELECTIVE	13	50	100	4
Computer Science and Engineering	6 Sem.	CSL283	83OCE	Internet of Things Concepts	TH	ELECTIVE	13	50	100	4
Computer Science and Engineering	6 Sem.	CSL286	86OCE	Fundamental of Digital Image Processing	TH	ELECTIVE	13	50	100	4
Computer Science and Engineering	6 Sem.	CSL287	87OCE	Nature Inspired Algorithms and Applications	TH	ELECTIVE	13	50	100	4
Civil Engineering	6 Sem.	CEL315	CEL315	Green Building Technology	TH	ELECTIVE	8	50	100	4
Electrical Engineering	6 Sem.	EEL106	EEL106	Energy Audit and Demand side Management	TH	ELECTIVE	11	50	100	4
Electronics and Communication Engineering	7 Sem.	EIL476	EIL476	Distributed Control System	TH	ELECTIVE	5	50	100	4
Electronics and Communication Engineering	7 Sem.	EIL477	EIL477	Optical Instrumentation	TH	ELECTIVE	5	50	100	4
Electronics and Communication Engineering	7 Sem.	EIL478	EIL478	Digital Image Processing	TH	ELECTIVE	5	50	100	4

Electronics and Communication Engineering	7 Sem.	ECL476	ECL476	Embedded System	TH	ELECTIVE	5	50	100	4
Electronics and Communication Engineering	7 Sem.	ECL477	ECL477	Digital System Design with FPGA	TH	ELECTIVE	5	50	100	4
Electronics and Communication Engineering	7 Sem.	ECL478	ECL478	Micro-Nano System	TH	ELECTIVE	5	50	100	4
Mechanical Engineering	7 Sem.	MEL414	MEL414	Reliability and Maintainability	TH	ELECTIVE	14	50	100	4
Mechanical Engineering	7 Sem.	MEL416	MEL416	Project Management	TH	ELECTIVE	14	50	100	4
Petroleum and Petrochemical Engineering	7 Sem.	PEL409	PEL409	Introduction to Oil and Gas Engineering	TH	ELECTIVE	5	50	100	4
Computer Science and Engineering	7 Sem.	CSL271	71OCO	Data Structures	TH	ELECTIVE	8	50	100	4
Computer Science and Engineering	7 Sem.	CSL272	72OCO	Concepts of Object Oriented Programming	TH	ELECTIVE	8	50	100	4
Computer Science and Engineering	7 Sem.	CSL277	77OCO	Robotics	TH	CORE	8	50	100	4
Computer Science and Engineering	7 Sem.	CSL278	78OCO	Basics of Soft Computing Techniques	TH	ELECTIVE	8	50	100	4
Civil Engineering	7 Sem.	CEL316	CEL316	Safety Management in Construction	TH	ELECTIVE	13	50	100	4
Electrical Engineering	7 Sem.	EEL107	EEL107	Industrial Electrical Systems	TH	ELECTIVE	10	50	100	4