

	Fundan	CO-5	Describe the fundamentals of communication technologies.	K2	2								2			
		BEC101/ 201			2.60		2.00						2.00		2.00	
11	BEC151/ 251 Basic Electronics Engg Lab	CO-1	Demonstrate the active & Passive components, PCBs & lab instruments.	K2	3							2	2		2	
		CO-2	Test the conditions of truth tables for logic gates.	K2	3	3						2	2		2	
		CO-3	Examine the functioning of diode application circuits.	K2	3	3	3					2	2		2	
		CO-4	Demonstrate the functioning of OP-AMP based circuits.	K2	3	3	3					2	2		2	
		CO-5	Conclude the characteristics of different semiconductor devices with their applications.	K2	3	3	3					2	2		2	
		BEC151/ 251			3.00	3.00	3.00						2.00	2.00		2.00
12	BME 101 / 201 Fun. of Mechanical Engg.	CO-1	Apply the concept of force resolution and stress and strain to solve basic problems.	K3	3	2				2					2	
		CO-2	Understand the construction and working of internal combustion engines, electric vehicle and hybrid vehicles.	K2	3	2				2						2
		CO-3	Explain the construction and working of refrigerator, heat pump and air conditioner.	K2	3	2				2						2
		CO-4	Understand fluid properties, conservation laws and hydraulic machinery used in real life.	K2	3	2				2						2
		CO-5	Understand the working principle of different measuring instrument and mechatronics with their advantages, scope and Industrial application.	K2	3	2			2	2						2
		BME101/ 201			3.00	2.00			2.00	2.00						
	Lab	CO-1	Use various engineering materials, tools, machines and measuring equipments.	K3	2				2		2	2			2	
		CO-2	Perform machine operations in lathe and CNC machine.	K3	3				2	2		2	3		2	

16	BAS105/ BAS205 Soft Skills	CO-1	Understand the concept of sentence formation and usefulness of enriched vocabulary.	K2				2		2				3	3	
		CO-2	Apply the skills of active listening and speaking on professional grounds.	K3						2		2			3	3
		CO-3	Read as well as write clear and well structured official and business documents.	K3			2			2			2		3	3
		CO-4	Acquire the skills necessary to deliver impactful presentations.	K3											2	3
		CO-5	Equip themselves with work-place skills necessary to be a successful professional.	K3									2		3	3
		BAS105							2.00	2.00		2.00		2.00	2.00	3.00
17	BAS155/ 255 English Language Lab	CO-1	Make use of conversational skills for effective group talks and interviews.	K3									2	2	2	
		CO-2	Develop communication and presentation skills for technical papers/project reports/proposals in seminars/conferences/workshops/theme presentations.	K2											2	2
		CO-3	Build conversational skills for public/individual speaking /conferencing/role play/JAM /argumentation.	K2											2	2
		CO-4	Make use of comprehension skills based on reading and listening practical's on model audio.	K3											2	2
		CO-5	Execution social skills for a given work station.	K3											2	2
		BAS155/ 255													2.00	2.00
		CO-1	Understand basic concepts related to ecosystem, EIA and the need of sustainable development.	K2						2	3	3				

18	BAS104/ BAS204 Environment and Ecology	CO-2	Understand about natural resources and impacts of human actions on natural resources.	K2						2	3	2					
		CO-3	Develop critical thinking for environmental pollution and environmental protection.	K4						2	3	2					
		CO-4	Understand various current environmental issues and concerns of National and global importance.	K2						2	3	2	2				
		CO-5	Develop sensitive attitude to adopt sustainability as a practice in life, society and industry.	K3						2	3	3	2				2
		BAS104/ 204									2.00	3.00	2.40	2.00			2.00