Initiatives and Implementation of Sustainable Development Goals (SDGs)
KITS Warangal

.

Department Name: Electronics Communication and Instrumentation Engineering (ECIE)

Inclusion of SDGs in URR18/URR18R22/URR24 Curriculum: In view of importance of sustainable development goals as advocated by United Nations (UN) in 2015, the following courses were included in the curriculum of **B. Tech. (ECI).**

SDG-PO ARTICULATION Matrix

	PO1	PO2	3	4	5	6	7	8	9	10	11	PSO1	PSO2
SDG1	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG2	2	2	3	2	2	2	2	3	2	1	2	3	3
SDG3	3	3	3	2	2	2	2	3	2	1	2	3	3
SDG4	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG5	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG6	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG7	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG8	1	1	1	1	1	1	1	1	1	1	2	2	2
SDG9	2	2	2	2	2	2	2	3	2	1	2	2	2
SDG10	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG11	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG12	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG13	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG14	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG15	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG16	-	-	-	-	-	-	-	-	-	-	-	-	-
SDG17	-	-	-	-	-	-	-	-	-	-	-	-	-

Pls mark
1.Low
2.Moderate
3. High

Curriculum Mapping to SDGs

SDG	Sustainable Development Goal	Relevant courses in curriculum of URR18R22	Relevant courses in curriculum of URR24
SDG-2	Zero Hunger	U18CH103 Engineering Chemistry U18CH109 Environmental Studies U18EE205 Basic Electrical Engineering U18CI305 Electronic Devices and Applications U18CI306 Electronic Measurements and Sensors U18CI307 Digital Circuits and Logic Design U18CI405 Digital Signal Processing U18CI502A Internet of things U18CI502B Wireless and Data Communication U18CI502C Data Acquisition And Signal Conditioning U18CI503 Analog and Digital Communications U18CI505 Linear Integrated Circuits and Applications U18CI509 Microcontrollers and Embedded Systems U18CI 606 Artificial Intelligence and Machine Learning U18CI603B Wireless Sensor Networks and Applications U18OE701A Disaster Management U18OE701D Rural Technology and Community Development U18CI702A Digital Image Processing Techniques U18CI802A Cloud Computing	U24CI103 Electronic Measurements and Instrumentation U24CY106 Environmental Studies U24EE105B Basic Electrical Engineering U24CY202B Engineering Chemistry U24CI203 Analog Electronics U24CI302 Sensors and Actuators U24CI303 Analog Integrated Circuits and Applications U24CI304 Digital Circuits and Logic Design U24CI402 Digital Signal Processing U24CI405 Python Programming
SDG-3	Good Health and well being	U18CH103 Engineering Chemistry U18PH203 Engineering Physics U18CI305 Electronic Devices and Applications U18CI306 Electronic Measurements and Sensors U18CI405 Digital Signal Processing U18CI502A Internet of things U18CI502B Wireless and Data Communication U18CI502C Data Acquisition And Signal Conditioning U18CI503 Analog and Digital Communications U18CI505 Linear Integrated Circuits	U24PY102B Engineering Physics U24CI103 Electronic Measurements and Instrumentation U24CY106 Environmental Studies U24EE105B Basic Electrical Engineering U24CY202B Engineering Chemistry U24CI203 Analog Electronics U24CI302 Sensors and Actuators U24CI303 Analog Integrated Circuits and Applications U24CI304 Digital Circuits and Logic Design U24CI402 Digital Signal Processing U24CI405 Python Programming

		and Applications U18CI509 Microcontrollers and Embedded Systems U18CI603B Wireless Sensor Networks and Applications U18CI603C Biomedical Instrumentation U18CI 604 Embedded Systems with ARM Processor U18CI606 Artificial Intelligence and Machine Learning U18CI702A Digital Image Processing Techniques U18CI802A Cloud Computing	
SDG-8	Decent Work & Economic Growth	U18CI502A Internet of things U18CI502B Wireless and Data Communication U18CI502C Data Acquisition And Signal Conditioning U18CI503 Analog and Digital Communications U18CI509 Microcontrollers and Embedded Systems U18CI603B Wireless Sensor Networks and Applications U18CI603C Biomedical Instrumentation U18CI 604 Embedded Systems with ARM Processor U18CI606 Artificial Intelligence and Machine Learning U18OE701B Project Management U18OE701C Professional Ethics in Engineering U18CI702A Digital Image Processing Techniques U18CI702C Satellite communications U18CI703A Embedded and Real time Operating Systems U18CI703B VLSI System Design U18CI703C Cyber Security U18CI704 Industrial Process Control U18CI801A IoT Industrial Applications U18CI801B Low Power VLSI Design U18CI801C FPGA Design U18CI802A Cloud Computing U18CI802C Robotics U18CI803B Management Information Systems U18CI803C Entrepreneurship	U24CI302 Sensors and Actuators U24CI401 VLSI Design U24CI402 Digital Signal Processing U24CI405 Python Programming U24CI502 Microcontrollers and Embedded Systems U24CI504 Artificial Intelligence and Machine Learning U24CI602 Internet of Things U24CI603 Biomedical Instrumentation and Signal Processing U24CI604 Analog and Digital Communications U24CI703 Industrial Automation and Control U24CI704 Satellite and Fiber Optic Communication U24CI705 Data Communication and Networking VERTICAL 1: Embedded Systems VERTICAL 2: Internet of Things VERTICAL 3: VLSI VERTICAL 4: AI and ML VERTICAL 5: Communication and Signal Processing

		Development U18CI803D Forex and Foreign Trade	
SDG-9	Industry, Innovation & Infrastructure	U18CI502A Internet of things U18CI502B Wireless and Data Communication U18CI502C Data Acquisition And Signal Conditioning U18CI503 Analog and Digital Communications U18CI509 Microcontrollers and Embedded Systems U18CI603B Wireless Sensor Networks and Applications U18CI 604 Embedded Systems with ARM Processor U18CI606 Artificial Intelligence and Machine Learning U18CI703A Embedded and Real time Operating Systems U18CI703B VLSI System Design U18CI703C Cyber Security U18CI704 Industrial Process Control U18CI801A IoT Industrial Applications U18CI801B Low Power VLSI Design U18CI801C FPGA Design U18CI802A Cloud Computing U18CI802C Robotics U18CI803C Entrepreneurship Development	U24CI302 Sensors and Actuators U24CI401 VLSI Design U24CI402 Digital Signal Processing U24CI405 Python Programming U24CI502 Microcontrollers and Embedded Systems U24CI504 Artificial Intelligence and Machine Learning U24CI602 Internet of Things U24CI603 Biomedical Instrumentation and Signal Processing U24CI604 Analog and Digital Communications U24CI703 Industrial Automation and Control U24CI704 Satellite and Fiber Optic Communication U24CI705 Data Communication and Networking VERTICAL 1: Embedded Systems VERTICAL 2: Internet of Things VERTICAL 3: VLSI VERTICAL 4: AI and ML VERTICAL 5: Communication and Signal Processing