



PRESIDENCY UNIVERSITY

Private University Estd. in Karnataka State by Act No. 41 of 2013

MAPPING OF 17 SUSTAINABLE DEVELOPMENT GOALS [17 SDGS]

With Courses offered by School of Engineering [Electronics & Communication Engineering Department]
COURSE STRUCTURE

| Course Name & Code | Sustainability Goal Addressed (SDG) |
|--|---|
| Digital Computer Fundamentals (ECE2003) | SDG 9 (Industry, Innovation, and Infrastructure), SDG 12 (Responsible Consumption and Production) |
| Basics of Electrical and Electronics Engineering (EEE1007) | SDG 7 (Affordable and Clean Energy), SDG 9, SDG 12 (Responsible Consumption and Production) |
| Digital Design (ECE2007) | SDG 9, SDG 12 |
| Electromagnetic Theory (ECE3004) | SDG 7, SDG 9 |
| Digital Electronics (ECE2008_V02) | SDG 9, SDG 12 |
| Signals and Systems (ECE2003) | SDG 9, SDG 11(Sustainable Cities and Communities) |
| Solid State Electronics (ECE2012) | SDG 9, SDG 12 |
| Digital System Design using HDL (ECE2013) | SDG 4 (Quality Education), SDG 9, SDG 12 |
| Signal Processing (ECE3103) | SDG 4, SDG 9, SDG 12 |
| Analog Communication (ECE3005) | SDG 4, SDG 9, SDG 12 |
| Optoelectronic Materials (ECE3021) | SDG 4, SDG 9, SDG 12 |
| Digital Control Systems (ECE3006) | SDG 4, SDG 9 |
| VLSI Design (ECE3008) | SDG 4, SDG 9, SDG 12 |
| Artificial Intelligence with Python (ECE3025) | SDG 4, SDG 9, SDG 11 |
| Transmission Lines and Waveguides (ECE3003) | SDG 4, SDG 9 |
| Computational Intelligence and Machine Learning (ECE3020) | SDG 4, SDG 9, SDG 11 |
| Digital Image Processing (ECE3023) | SDG 4, SDG 9, SDG 11 |
| Fuzzy Logic and Its Applications (ECE3030) | SDG 4, SDG 9, SDG 11 |
| Biomedical Instrumentation (ECE3034) | SDG 3 (Good Health & Well-Being), SDG 4, SDG 9 |



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|---|-------------------------------------|
| Digital System Design using VERILOG (ECE3039) | SDG 4, SDG 9 |
| Industrial Internet of Things (ECE3036) | SDG 4, SDG 7, SDG 8, SDG 9 |
| Embedded System Design (ECE3040) | SDG 4, SDG 7, SDG 9, SDG 11 |
| Sensor Technologies (ECE3043) | SDG 4, SDG 7, SDG 9, SDG 11, SDG 12 |
| Low Power VLSI Design (ECE3045) | SDG 4, SDG 7, SDG 9, SDG 12 |
| Design for Testability (ECE3050) | SDG 4, SDG 9, SDG 12 |
| Machine Learning & Deep Learning using FPGA (ECE3051) | SDG 4, SDG 7, SDG 9 |
| Mobile Communication (ECE3053) | SDG 4, SDG 9, SDG 11 |
| Satellite Communication (ECE3055) | SDG 4, SDG 9, SDG 11 |
| Wireless Communication & Networks (ECE3056) | SDG 4, SDG 9, SDG 11 |
| Wireless Adhoc Networks (ECE3058) | SDG 4, SDG 9, SDG 11 |
| RFID & Flexible Electronics (ECE3065) | SDG 4, SDG 9, SDG 11, SDG 12 |
| AI & Digital Health (ECE3032) | SDG 3, SDG 4, SDG 9, SDG 11, SDG 12 |
| IoT Edge Nodes and Its Applications (ECE3080) | SDG 9, SDG 11, SDG 12 |
| Data Science for IoT (ECE3029 / ECE3035 – Code mismatch) | SDG 9, SDG 11, SDG 12 |
| Hardware and Software Architecture for Secured IoT System (ECE3038) | SDG 9, SDG 11, SDG 12 |
| Introduction to Data Analytics (ECE3106) | SDG 9, SDG 11 |