Department of Electronics and Communication Engineering, GRIET, Hyderabad

GR15-II B.Tech I Sem				
S.No	Lab Name	Room No	About the lab	Photo
1	Signals and Systems Lab	2201	Students learn various signal properties, functionalities and their techniques with MATLAB.	
2	Digital Electronics Lac	2402	Students gain knowledge in the design of Digital circuits and their responses using Hardware and VHDL Simulation.	
3	Electronic Circuit Analysis Lab	2205	Students learn Electronic circuit designs and h-parameter models using Amplifier and oscillator constrains with Analog discovery.	

S.No	Lab Name	Room No	About the lab	Photo
			GR15-II B.Tech II Sem	
1	Analog Communications Lab	2202	Various modulation techniques are practiced on hardware as well as MATLAB by the students	
2	Analog Electronics Lab	2205	Students gain knowledge on applications of Op-Amp by doing experiments with discrete components and simulation.	
3	Microcontrollers Lab	2401	Real time Microcontrollers applications are learnt by doing experiments and a mini project.	

S.No	Lab Name	Room No	About the lab	Photo
			GR14-III B.Tech I Sem	
1	VlSI Design Lab	2204	Experiments of VLSI circuits(Analog and Digital) design and analysis with CADENCE Tools are done by the students.	
2	Digital Communications Lab	2202	Students will be able to demonstrate various Digital modulation techniques and their applications using Hardware, MATLAB and DSKc6713 kits	
3	Advanced English Communication Skills Lab	2502	Students will Improve their English language skills with language soft wares	

S.No	Lab Name	Room No	About the lab	Photo
			GR14-III B.TechII Sem	
1	Digital Signal Processing Lab	2201	Design and analysis of Digital filters are practiced using MATLAB and DSKc6713.	
2	Object Oriented Programming through Java Lab	2402	Students will be able to learn the concepts of JAVA and will do mini projects.	
3	Industry Oriented Mini Projects Lab	2206	A real time project is given to each student such that they can do a project in the same model of industry.	

S.No	Lab Name	Room No	About the lab	Photo
GR11-IVB.Tech I Sem				
1	Advanced Communications Lab	2306	Advanced Communication protocols like ZigBee, BT etc are learned and implemented for various real time applications by the students.	
2	Embedded Systems Lab	2401	Design and implementation of various real time embedded applications using Arduino are learned by the students.	
3	Microwave and Optical Communications Lab	2207	Students will understand the microwave devices by practicing on MW benches and OC trainer kits	

GR11-IV B.Tech IISem				
S.No	Lab Name	Room No	About the lab	Photo
1	Digital Image Processing Lab	2207	Image processing techniques like compression, expansion watermarking etc are taught to the students.	