

HASMUKH GOSWAMI COLLEGE OF ENGINEERING, VAHELAL

SYLLABUS FOR MID SEM EXAM-MARCH-2018

EC

Semester	Sub Code	Subject	Unit No(GTU Syllabus)	Unit Name(GTU Syllabus)
8th	2181102	FUNDAMENTALS OF IMAGE PROCESSING	1,2,5,6,7,8	Digital Image Fundamentals,Image enhancement and filtering in spatial domain,Colour Image Processing,Image Compression,Image Segmentation, Morphological Image Processing
Semester	Sub Code	Subject	Unit No(GTU Syllabus)	Unit Name(GTU Syllabus)
6th	2161001	DIGITAL COMMUNICATION	6,7	Information Theory,Error Correcting Codes
	2161003	ANTENNA AND WAVE PROPAGATION	1,5,6,8,9,10	
	2161005	OPTICAL COMMUNICATION	1,2,3,4	Overview of Optical fiber Communications ,Optical fibers : Structures, Waveguiding and Fabrication,Signal Degradation in Optical Fibers ,Optical Sources
	2161101	VLSI TECHNOLOGY AND DESIGN	1,2,3,4,5	
	2161006	POWER ELECTRONICS DEVICES AND CIRCUITS	1,2,4,8	INTRODUCTION TO THYRISTER FAMILY,PHASE CONTROLLED RECTIFIERS,CHOPPER,APPLICATION OF THYRISTOR
Semester	Sub Code	Subject	Unit No(GTU Syllabus)	Unit Name(GTU Syllabus)
2ND PG	2720501	STATISTICAL SIGNAL ANALYSIS	1,2,3,4	
	2720502	WIRELESS AND MOBILE COMMUNICATION	1,2,3	
	2720503	ANTENNA ENGG. DESIGN	1,2,3,4	Review of Antenna Theory,Antenna Parameters,Arrays: Linear, Planar, and Circular,Antenna synthesis
	2720506	SATELLITE COMMUNICATION	1,2,3,4	SATELLITE ORBITS,RADIO WAVE PROPAGATION,SPACE SEGMENT AND SATELLITE LINK DESIGN,SATELLITE ACCESS
	2720214	INTERNET TECHNOLOGY	1,2,3	