



TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING & TECHNOLOGY

Wardha Road, Nagpur - 441108
Accredited with NAAC A+ Grade & NBA Accredited (EE, ME, CE & ECE)
Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)



Department of Electronics & Communication Engineering

B.Tech Electronics & Communication Engineering

Course Name: EC3504 (1): Digital System Design

EC3504 (1)	Course Outcome
1.	Understand programmable devices and discuss the architecture of CPLD and FPGA.
2.	Apply basic knowledge of Hardware description Language, design flow and design Methodology.
3.	Analyze combinational circuits which gives fundamental concepts and techniques used in digital electronics.
4.	Analyze sequential circuits and components used in the typical data path designs: Register, Adders, Shifters, Comparators; Counters, Multiplier, Arithmetic-Logic Units (ALUs), RAM.
5.	Implement Computer-Aided Design (CAD) tools which is essential to the design of digital circuits.