TULSIRAMJI GAIKWAD-PATIL College of Engineering and Technology
Wardha Road, Nagpur-441108
Accredited with NAAC A+ Grade
Approved by AICTE, New Delhi, Govt. of Maharashtra
(An Autonomous Institution Affiliated to RTM Nagpur University)

Department of CSE (Data Science)

B. Tech VI Semester in CSE (Data Science)

Course Name: BDS3612   PEC-IV Quantum Computing

Course Outcomes		Cognitive Level
After the completion of this course, students will be able to-		
BDS3612.1	**Design** the framework of quantum computation, and how that may be useful for future quantum technologies.	6
BDS3612.2	**Analyze** simple quantum algorithms and argue optimality.	4
BDS3612.3	**Understand** gate operators and design simple quantum circuits.	2
BDS3612.4	**Understand** recent results as well as research papers on quantum algorithms.	2
BDS3612.5	**Understand** about the various optical nonlinear phenomena.	2