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 VII Semester in CSE (Data Science)

Course Name: BDS4710 PEC – VI (Data Warehousing & ETL)

BDSXX19	Course Outcomes
After the completion of this course, students will be able to-	
BDS4710.1	**Describe** the architecture and components of data warehousing systems.
BDS4710.2	**Design** data warehouse schemas using appropriate data modeling techniques.
BDS4710.3	**Develop** ETL workflows to extract, transform, and load data from heterogeneous sources.
BDS4710.4	**Apply** data cleansing techniques and manage metadata to ensure data quality in ETL processes.
BDS4710.5	**Optimize** data warehouse performance using indexing, partitioning, and ETL job scheduling strategies.