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, Nagpur)

Department of Computer Science & Engineering

M. Tech. Computer Science & Engineering

Course Name: MCS21103: High Performance Computer Architecture

MCS21103	Course Outcomes
CO1	**Provide** systematic and comprehensive treatment of the hardware and the software high performance techniques involved in current day computing.
CO2	**Introduce** the fundamentals of high-performance computing with the graphics processing units and many integrated cores using their architectures and corresponding programming environments.
CO3	**Introduce** the learner to fundamental and advanced parallel algorithms through the GPU and MIC programming environments.
CO4	**Provide** systematic and comprehensive treatment of the components in the pipeline that extract instruction level parallelism.
CO5	**Provide** a strong foundation on memory hierarchy design and tradeoffs in both uniprocessor and multiprocessors.