Techno-Social Excellence
Marathwada Mitra Mandal's
INSTITUTE OF TECHNOLOGY (MMIT)
Lohgaon, Pune-411047.

Department of Mechatronics Engineering

Course Name: Operation Research
Class: BE Mechatronics Engineering
Course Code: 417545 B (2019 Course)

Course Outcomes:

On completion of the course, the students will be able to

1. Evaluate various situations of Games theory and Decision techniques and apply them to solve them in real life for decision making.

2. Select appropriate model for queuing situations and sequencing situations and find the optimal solutions using models for different situations.

3. Formulate various management problems and solve them using Linear programming using graphical method and simplex method.

4. Formulate variety of problems such as transportation, assignment, travelling salesman and solve these problems using linear programming approach.

5. Plan optimum project schedule for network models arising from a wide range of applications and for replacement situations find the optimal solutions using appropriate models for the situation.

6. Apply concepts of simulation and Dynamic programming