

Govt. Polytechnic Mandkola, Palwal
Lesson Plan

3rd Semester Mechanical Engg.2026

Total Quality Management (Open Elective MOOC's/Offline)

1. First Week: 30.07.2026 to 07.08.2026

Introduction to TQM and definition, purpose of TQM.

2. Second week: 10.08.2026 to 14.08.2026

Benefits of TQM, Principle of TQM

3. Third week: 17.08.2026 to 21.08.2026

Valuable tools for quality, flowchart, run chart

4. Week forth: 24.08.2026 to 28.08.2026

Co-relation chart, control chart, histogram

5. Week fifth: 31.08.2026 to 04.09.2026

Concept of kaizen in TQM

6. Sixth week: 07.09.2026 to 11.09.2026

Deming approach to TQM, 14 points of management

7. Seventh week 14.09.2026 to 18.09.2026

Conduct of 1st session Test

8. Eight Week: 21.09.2026 to 25.09.2026

These seven deadly sins, the PDCA circle

9. Ninth Week: 28.09.2026 to 02.10.2026

Jura non quality

10. Tenth week: 05.10.2026 to 09.10.2026

Crosby and quality treatment, 14 point to establishment of a quality ethics.

11. Eleventh week: 12.10.2026 to 16.10.2026

Conduct of 2nd Sessional Test

12. Twelveth Week: 19.10.2026 to 23.10.2026

Steps in implementation zero defect problem

13. Thirteen week: 26.10.2026 to 30.10.2026

Poka-yoke, Concurrent Engg.

14. Fourteen Week: 02.11.2026 to 06.11.2026

Elements of TQM, ISO9000, History of ISO 9000

15. Fifteenth week: 09.11.2026 to 13.11.2026

Components of ISO9000, Benefits of ISO9000, Six Sigma, how to six sigma related to TQM

16. Sixteen week: 16.11.2026 to 20.11.2026

Conduct of 3rd sessional test