

# GUJARAT TECHNOLOGICAL UNIVERSITY

B.E Semester: 4

## INDUSTRIAL ENGINEERING

**Subject Name**    PRODUCTIVITY ENGINEERING (Institute Elective I)

<b>Sr. No.</b>	<b>Course content</b>
1.	Productivity Concepts
2.	Evaluation and Planning in Organizations
3.	Problem- solving approach
4.	Work – study as a Productivity improvement tool
5.	Methods engineering
6.	Work measurement standard output
7.	Time study
8.	Work sampling
9.	Principles of layout and facilities Planning
10.	Material Handling systems
11.	Fundamental concepts and applications of value Engineering.

### **Reference Books:**

- 1) ILO, Introduction to Work Study. George Kanawaty (Ed), 4<sup>th</sup> Edition, Universal Book Corp., 1999
- 2) Tufty H.G., Compendium on Value Engineering, Indo-American society, Mumbai, 1983.
- 3) Tompkins J.A. & White J.A., Facilities Planning, John Wiley, N.Y., 1984.