

GUJARAT TECHNOLOGICAL UNIVERSITY
B.E. SEMESTER : VIII
INDUSTRIAL ENGINEERING

Subject Name: **INDUSTRIAL ERGONOMICS**

Sr. No.	Course Contents	Total Hrs
1.	Human Physical Characteristics, Ergonomics and Human Factors Engineering	10
2.	Physiology of Work, Cognitive Psychology and Sensory Processes, Biomechanics and Engineering.	12
3.	Engineering Anthropometry, Human Machine System, Machine and Tool Design	12
4.	Work Place and Work Station Design, Work Design, Fundamentals of Physical Working Environment, Information Technology.	12
5.	Office Systems and Ergonomics, Ergonomics of Technology Management.	9
6.	Consumer Ergonomics, Ergonomics Quality and Safety, Quality of Life	9

REFERENCE/TEXT BOOKS:

1. Human Factors in Engineering and Design

By Sanders & McCormick (McGrawHill Publication)

2. Occupational Ergonomics – Principles and Applications

By Tayyari & Smith (Chapman & Hall Publication)

3. The Power of Ergonomics as a Competitive Strategy

By Gross & Right (Productivity Press)