

Professional Ethics & Human Values (ML-16001)
Audit (S.Y.B.Tech.)

Teaching Scheme

Tutorials: 1hr/batch/week

Examination Scheme

Total Marks: 100

Continuous Evaluation

Course Education Objectives (CEO)

1. To enable self awareness in one's personality and learning essentials of everyday life skills
2. To strengthen the knowledge of ethical characteristics and human values essential at workplace
3. To overcome stressful situations effectively with the help of psychological approach

Course Outcomes (CO)

- a) Students would understand their own personality by using different techniques and learn to apply these techniques in everyday life. Students would become aware of ethics and values in their life.
- b) Students would understand concept of adjustment and learn to enhance interpersonal relationship.
- c) Students would understand the importance of creativity and problem solving in their life and learn to solve problems in a novel way.
- d) Students would be able to analyze their stress patterns and learn different ways of coping with stress.
- e) Students would learn the importance of emotional intelligence to use it effectively in different situations.
- f) Students would analyze themselves and understand their position with respect to the moral and ethical character needed for a successful and satisfactory work life.

Unit 1: Self Awareness and Values

(4 hrs)

Understanding oneself and others; Johari Window- Concept, explanation, implementation; Goal achievement through SWOT Analysis and Time management matrix: Personal values and ethics – Types of values and their importance of values from students' perspective

Unit 2: Adjustment**(3 hrs)**

Adjustment- Personal & Social adjustment with reference to the interpersonal relationships at the work place, and work ethics

Unit 3: Creativity & Problem Solving**(4 hrs)**

Creativity- Concept, stages, measurement; Application of creativity to everyday life problems, using creativity for personal growth; Problem solving through activities, e.g.; Mind-Mapping- Concept & application

Unit 4: Stress & Coping**(3 hrs)**

Nature, types, causes & consequences; Anxiety & Stress; Measuring stress levels; Type A & B personality; Management of Stress- Techniques in practice

Unit 5: Emotional Intelligence & Values**(4 hrs)**

Concept & assessment of EI and EI in practice; Importance of Motivation; Engineering ethics

References:

1. Morgan, C.T.; King, R.A.; Weisz, J.R. & Schopler, J. (2001). Introduction to Psychology. 7th Edition. New Delhi: Tata McGraw Hill
2. Hilgard, E. R.; Atkinson, R. C. & Atkinson, R.L. (1975). Introduction to Psychology. 6th Edition. New Delhi: Oxford and IBH Publishing Co. Pvt. Ltd.
3. Golman, Daniel. (1998). Working with Emotional Intelligence. Bloomsbury Publishing Plc.
4. Gogate, S. B. (2011). Human Values & Professional Ethics. Vikas Publishing: New Delhi.
5. Govindarajan, M; Natarajan, G. M. & Senthilkumar, V.S. (2013). Professional Ethics & Human Values. Prentice Hall: New Delhi
6. Fleddermann, C.B. (2011). Engineering Ethics. Pearson Education: Prentice Hall, New Jersey.
7. Jayshree Suresh, Raghavan B.S.(2016). Human Values & Professional Ethics: S Chand & Company.Pvt.Ltd: New Delhi.