

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD
DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES**

**COURSE NAME-MASTERING LEADERSHIP
(Open Elective) SYLLABUS FOR B.E. 2/4 – III SEMESTER**

W.E.F-2023-2024

Instruction: 2 Hours	SEE: 60	Course code: U22OE340EH
Credits: 2	CIE: 40	Duration of SEE: 3 Hours
COURSE OBJECTIVES The course will enable the learners to: <ol style="list-style-type: none"> 1. Develop self-awareness, assess personal strengths, and set goals for leadership growth. 2. Foster inclusive teamwork by leveraging diverse talents and viewpoints. 3. Apply rational decision-making models and critical thinking to engineering challenges. 4. Manage time efficiently, balance priorities, and integrate continuous improvement practices. 5. Integrate competence-building, self-development, and ethical leadership into engineering leadership roles. 		COURSE OUTCOMES At the end of the course the learners will be able to: - <ol style="list-style-type: none"> 1. Create a personalised leadership development plan, showcasing self-awareness and goals for growth. 2. Demonstrate the ability to lead inclusive teams, leveraging diverse talents and viewpoints. 3. Employ innovative problem-solving techniques to tackle complex technical issues. 4. Demonstrate efficient time management skills, balancing priorities and integrating continuous improvement. 5. Integrate competence-building, self-development, and ethical leadership principles into their engineering leadership roles.

Unit 1: Foundations of Leadership in Engineering (6 hours)

- 1.1 Introduction to Leadership
- 1.2 Exploring diverse leadership styles and their applications
- 1.3 Building Competence and Self-Development
- 1.4 Assessing personal strengths and areas for improvement
- 1.5 Setting SMART goals for leadership and professional growth

Unit 2: Communication and Team Collaboration (6 hours)

- 2.1 Active listening, empathy, and conflict resolution
- 2.2 Enhancing Personal and Team Performance
- 2.3 Leveraging strengths within a team for optimal performance
- 2.4 Constructive feedback and coaching for skill development
- 2.5 Techniques for fostering a collaborative and high-performing team

Unit 3: Decision Making and Problem Solving (6 hours)

- 3.1 Rational decision-making models and critical thinking
- 3.2 Strategies for innovative problem-solving in engineering projects
- 3.3 Self-Supervision and Ethical Leadership
- 3.4 Reflecting on personal leadership decisions and their impact
- 3.5 Balancing ethical considerations with technical challenges
- 3.6 Cultivating a culture of integrity and accountability within teams

Unit 4: Leading Change and Project Management (6 hours)

- 4.1 Navigating technological advancements and industry shifts
- 4.2 Leading teams through organisational change and adaptation
- 4.3 Time Management and Continuous Improvement
- 4.4 Techniques for effective time management and priority setting
- 4.5 Strategies for managing multiple engineering projects and deadlines
- 4.6 Integrating personal and team growth into ongoing project improvement

METHODOLOGY

- Case Studies
- Demonstration
- Presentations
- Expert lectures
- Writing and Audio-visual lessons

ASSESSMENTS

- Online assignments
- Individual and Group

LEARNING RESOURCES

learn.talentsprint.com

1. "Drive: The Surprising Truth About What Motivates Us" by Daniel H. Pink
2. "Crucial Conversations: Tools for Talking When Stakes Are High" by Kerry Patterson, Joseph Grenny, Ron McMillan, and Al Switzler
3. "Ethics for the Real World: Creating a Personal Code to Guide Decisions in Work and Life" by Ronald A. Howard and Clinton D. Korver
4. "Thinking, Fast and Slow" by Daniel Kahneman
5. "Scrum: The Art of Doing Twice the Work in Half the Time" by Jeff Sutherland
6. "Mindset: The New Psychology of Success" by Carol S. Dweck

The break-up of CIE: Internal Tests + Assignments + Quizzes

1	No. of Internal tests	:	<input type="text" value="2"/>	Max. Marks	:	<input type="text" value="30"/>
2	No. of assignments	:	<input type="text" value="3"/>	Max. Marks	:	<input type="text" value="5"/>
3	No. of Quizzes	:	<input type="text" value="3"/>	Max. Marks	:	<input type="text" value="5"/>

Duration of Internal Tests : 90 Minutes

Dr Jacqueline Amaral
BoS Chairman, Head-H&SS

Teaching Faculty – Ms. S.Lucy
Talent Sprint
