

Emerging Trends in Engineering Management

- Unit V Overview

Participative Management

- Involves employees in decision-making
- Encourages teamwork and collaboration
- Improves job satisfaction and productivity

Conflict Resolution

- Key Approaches:
 - - Avoidance
 - - Accommodation
 - - Compromise
 - - Collaboration
 - - Competition
- Importance of communication and negotiation skills

Change Management

- Managing organizational transitions
- Steps:
 - 1. Identify the need for change
 - 2. Plan the change process
 - 3. Communicate effectively
 - 4. Implement and monitor
 - 5. Sustain the change

Quality Management

- Focus on customer satisfaction
- Popular methodologies:
 - - Total Quality Management (TQM)
 - - Six Sigma
 - - ISO Standards
 - - Continuous Improvement

Innovation Management & Disruption

- Fostering new ideas and technologies
- Managing market disruptions (e.g., AI, IoT, Blockchain)
- Strategies for adapting to disruptive change

ICT Project Management

- Managing Information and Communication Technology projects
- Key concepts:
 - - Agile & Scrum
 - - DevOps
 - - Cloud Computing
 - - Cybersecurity Management

Conclusion

- Emerging trends are shaping modern engineering management
- Effective strategies improve efficiency and competitiveness
- Continuous learning is key for success