



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

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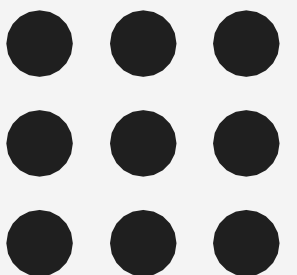
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

COURSE NAME: 19OE116 - PRODUCT DESIGN AND DEVELOPMENT

III YEAR / VI SEMESTER

Unit 1 - INTRODUCTION

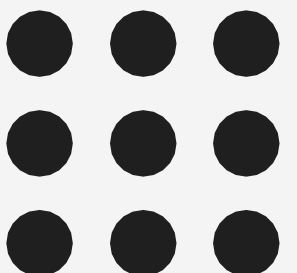
Topic 7 – Societal considerations in Engineering Design





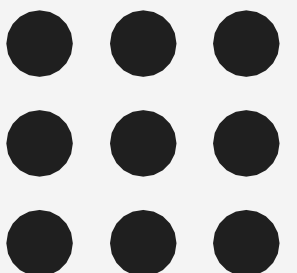
Societal considerations in engineering design are crucial aspects that engineers must factor into the design process to ensure that the products, systems, or structures they create positively impact society while mitigating potential negative consequences.

Engineering is not just about functionality and efficiency; it's also about understanding and addressing the broader implications of a design on the people, communities, and environments it affects.



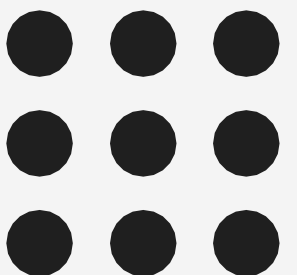


- **Safety and Public Health**
- **Accessibility and Inclusivity**
- **Sustainability and Environmental Impact**



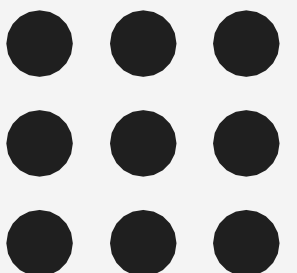


- **Ethics and Social Responsibility**
- **Cultural Sensitivity**
- **Economic Considerations**





- **Social and Behavioral Impacts**
- **Global Considerations**
- **Legal and Regulatory Compliance**



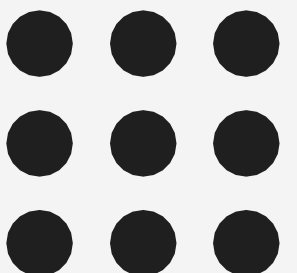


Conclusion

Societal considerations in engineering design are essential for ensuring that the products, systems, and structures we create positively contribute to society while minimizing potential harm.

By considering factors such as safety, inclusivity, sustainability, ethics, cultural sensitivity, and economic feasibility, engineers can design solutions that improve the quality of life, promote social equity, and protect the environment.

In doing so, engineering can play a transformative role in creating a better, more just, and sustainable future for all.





Thank You...