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Course: GE – 105, Introduction to Engineering Design

Need Analysis Questions:

1. What are the required functions?
2. Who is the product user?
3. Where the product is going to be used (environment)?
4. What is the product is going to be compared to (Reference case)?
5. How is the product going to be validated (approved)
6. What are the unacceptable options/behaviors of the product?
7. What should the product satisfy?
8. Are there any limitations (constraints)?
9. What are safety requirements (must 🡺 legislation ; wants 🡺 ethical)
10. How does the product respect safety?
11. What specifications do we have/know?
12. Are there any legal issues?
13. What are the human factors to be considered in the design
14. What is the expected life duration of the product