

UNIT-I

Embedded Computing & The embedded system design process

1. Define Embedded Computing System.
2. List out the uses of microprocessors in automobiles & household appliances.
3. Justify the use of programmable CPU rather than a hardwired unit.
4. List & explain the characteristics of Embedded Computing Applications.-
5. List & explain in brief the role of Microprocessors in embedded systems design.
6. List & explain the challenges in Embedded computing System Design.
7. Write a note on performance of Embedded computing Systems.
8. With a neat diagram explain the embedded system design process.
9. Distinguish between requirements & specification.
10. Write a note on non-functional requirements of Embedded computing System Design.
11. Explain the sample requirements form.
12. Explain the requirement chart for any embedded product of your choice.
13. Explain the architecture design for GPS moving map.
14. Hardware & software design architecture for GPS moving map.
15. What is system integration? Explain the system integration process .