

Introduction



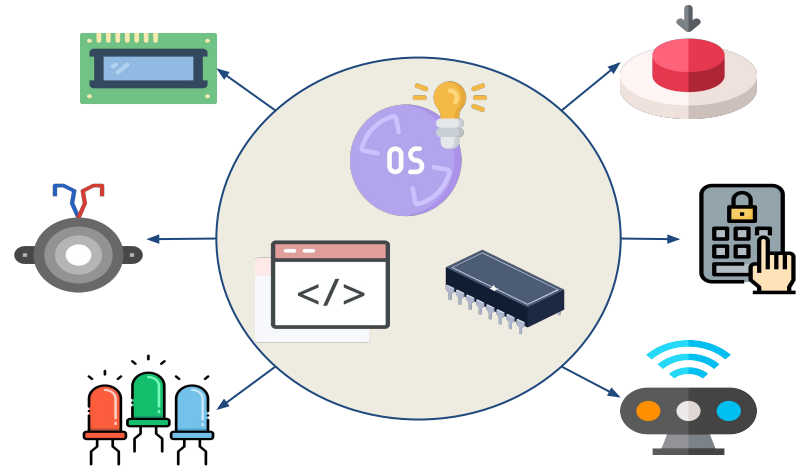
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Outlines

- **What is Embedded systems?**
- **Why C Language?**
- **Qualifications you need?**

What is an Embedded System?

- It is a hardware controlled by a software to perform a specific and periodic functionality.
- It may be real-time or not.

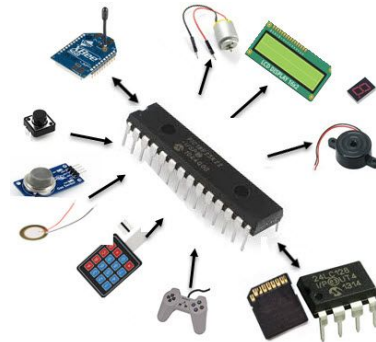
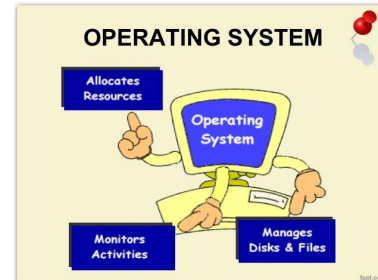
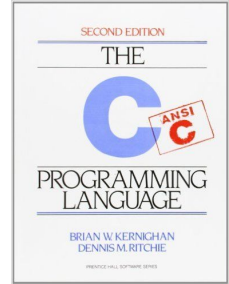
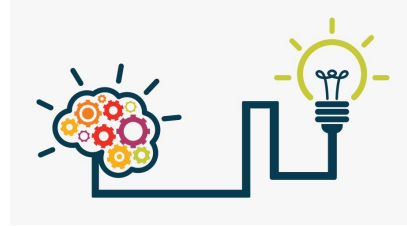


Why C Language?

- Processor independent (Write Once, Compile anywhere).
- Portability.
- Performance.
- Bit Manipulation.
- Memory management.

Qualifications you need?

- Very good problem-solving skills.
- Very good C programming knowledge.
- Very good knowledge of Embedded Systems programming and interfacing.
- Knowledge of OS and Real Time Systems.



Summary

- You have learned what embedded systems are and its components
- You have learned why the C Language is mandatory for embedded systems engineers.
- You have learned what qualifications you need to become an embedded systems engineer.