

Associate Embedded Systems Engineer/ Embedded Systems Engineer/ Embedded Systems Engineering Manager



KEY TRENDS



AI & Analytics



Cloud Computing



5G & IoT

IN 3-5 YEARS



Job holders will leverage AI to implement and test embedded systems for IoT applications, and also shift from developing embedded systems in silos to maintaining them in an ecosystem environment of devices that ride on advancements in 5G infrastructure and edge computing.

FUTURE TASK-LEVEL VIEW

- Machine Learning and Computer Vision will assist job holders in implementing and testing embedded systems for IoT applications by performing object detection, recognition and provide automation solutions via AI test bots for testing
- Advancement in 5G infrastructure and edge computing reduces latency between devices, enabling embedded systems to function in an ecosystem of security intelligence, AI & Analytics and cloud. Job holders will shift from developing embedded systems in silos to maintaining embedded systems in an ecosystem environment

SKILLS ANALYSIS



CURRENT SKILLS GAP

- Embedded Systems Integration
- Network Security

ADDITIONAL FUTURE SKILLS

- Security Assessment and Testing
- Security Architecture

