

Career Opportunities:

Signal Processing Engineer:

Digital signal processing (DSP) engineers establish, maintain, and alter digital signals for reliability and accuracy, often for things such as video, audio, pressure, and temperature. Analyses of these digital signals are often necessary to determine consistency and areas of improvement and these engineers may also develop software for hardware, such as microprocessors and controllers.

Communication Engineer:

A communications engineer is responsible for the research, design, development and production of communications equipment/systems. The role of communications engineer can take on a managerial or technical direction; both areas demand a huge level of technical understanding. They provide expertise and services to telecommunications companies and manufacturers. Self-employment via consultancy/contract work is possible for those with several years experience.

VLSI Design engineer

Front End **VLSI Design engineer** is responsible for the the RTL **Design** of the system. It defines the functions / Behavior and architecture of the **design** is then synthesized as a Gate level netlist. Back End **VLSI design engineer** is responsible for the layout and implementation of the Gate level netlist.

Embedded System Design Engineer

Designing and implementing software of embedded devices and systems. Designing, developing, coding, testing and debugging system software. Analyzing and enhancing efficiency, stability and scalability of system resources

Circuit Design Engineer

They develop and maintain circuitry through testing and troubleshooting, as well as supervise the manufacturing process in plants and factories. Analog circuit design engineers may also provide safety and cost assessments. They typically conduct most of their work in offices and laboratories. Engineers usually work 40 hours per week, though they may often be required to work longer hours to meet deadlines.

Consumer Electronics Engineer

Consumer Electronics Engineers are responsible for designing and prototyping the Consumer Electronics Products we use in our day today life. These include both Hardware design, and Software Design. Understanding Customer needs and envisioning the same in Electronics perspective is very important for

a Consumer Electronics Engineer. This job is very interesting as they are developing products for the people to use in a day to day basis.

Automotive Electronics Engineer

They are responsible for ensuring proper production of the automotive components or complete vehicles. While the development engineers are responsible for the function of the vehicle, manufacturing engineers are responsible for the safe and effective production of the vehicle.

System analyst

A system analyst is a person who uses analysis and design techniques to solve business problems using information technology. Systems analysts may serve as change agents who identify the organizational improvements needed, design systems to implement those changes, and train and motivate others to use the systems.

Data Scientist

A Data Scientist is someone who makes value out of data. Such a person proactively fetches information from various sources and analyzes it for better understanding about how the business performs, and builds AI tools that automate certain processes within the company.

R&D Engineer

R & D Engineers conduct research and development activities for an organization. They apply research theories, principles, and models when conducting experiments and research activities. Summarize research results and communicate findings to internal and external bodies. Assess the scope of research projects and ensure projects are on time and within budget.

Robotics Engineer

Robotic technologists use their knowledge of electrical, electronic, and mechanical systems to assist engineers in the development and production of automated equipment. They are also responsible for repairing and maintaining robotics machinery and components.