

# Prototype Engineer Intern Job Description

NovaTech Industries, Techville, ST

## Position Overview

NovaTech Industries seeks a motivated Mechanical Engineering student for a Prototype Engineer Internship to assist in designing and testing innovative mechanical prototypes for industrial machinery. This role offers hands-on experience in product development and collaboration with senior engineers.

## Responsibilities

- Design 3D models of mechanical components using SolidWorks and AutoCAD.
- Assist in prototyping and testing mechanical systems for performance and durability.
- Conduct finite element analysis (FEA) to evaluate component strength.
- Collaborate with the engineering team to refine designs based on test results.
- Document design processes and prepare technical reports.

## Required Skills

- Proficiency in SolidWorks, AutoCAD, and ANSYS for FEA.
- Understanding of mechanical design principles and material science.
- Strong analytical and problem-solving skills.
- Ability to work in a team and communicate technical ideas effectively.

## Qualifications

- Pursuing a B.S. in Mechanical Engineering (Sophomore or higher).
- GPA of 3.5 or above preferred.
- Coursework in Mechanics, CAD, and Material Science.
- Prior experience with prototyping or design projects is a plus.