

Simulation Engineer (Fluid Mechanics + Injection Molding)

This position is for a Modeling and Simulation Engineer, responsible for product and process performance modeling of various products, using computational modeling techniques such as, CFD, Injection Molding, FEA & analytical calculations.

Day to Day Responsibilities:

- Use commercial CFD, Injection Molding, and other in-house software tools to perform product performance and process modeling simulations.
- Develop mathematical models to describe a product or process performance by using state of the art technology.
- Communicate and present regular project updates to the leadership team.

Required Skills:

- Sound understanding of engineering fundamentals like fluid mechanics, heat transfer, mass transfer, numerical techniques, solid mechanics, etc.
- Experience on commercial software packages such as FLUENT, CFX, Moldflow, Polyflow, Design Modeler, ANSYS Meshing platform, Ansys workbench.
- Experience with ANSYS Structural, ABAQUS is a plus.
- Programming skills: C /C++/MATLAB
- Exposure to non-Newtonian and polymeric flow applications will be an advantage.
- Ability to effectively deliver on R&D projects in a business environment.

Desired Skills:

- Willingness to learn new tools and techniques.

Education and Experience:

- Masters in Mechanical Engineering from IIT/IISc.
- 0 - 2 years of relevant work experience in a professional work environment.