

Analysis Engineer (Fluid Flow / Thermal)

Job code: NEPL-AE-01

Job Profile: As an Analysis Engineer you will be responsible for doing hand calculations, simulations, analysing fluid flow and heat transfer phenomena using computational techniques. Engage actively in doing design validation, optimizations through engineering analysis for multi-disciplinary industries such as Aerospace, Defense, Automotive, Energy, Oil & Gas.

Key Responsibilities:

- Engage in project discussion, scope definition, methodology setting & deliver solution
- Do fluid flow calculations pertaining to internal and external flow aerodynamics, heat transfer, hydrodynamics, hot and cold gas flow
- 3D Modeling of the flow domain, discretization, conduct simulations, analyze results, and interpret data.
- Steady/Transient CFD analysis of pressurised flows, open channels & multiphase simulations
- Thermal analysis CFD & Conjugate Heat Transfer (CHT) analysis to predict temperature
- Collaborate with design and engineering teams to optimize components or systems for improved performance, efficiency, or other specified goals.
- Prepare reports and presentations summarizing the findings, insights, and recommendations for stakeholders.

Skills and Qualifications:

- Experience : 1 to 3 years
- Bachelor's or higher degree in Mechanical Engineering, Aerospace / Automobile Engineering, or a related field.
- Strong understanding of fluid mechanics, heat transfer, thermodynamics, and numerical methods.
- Hand-on with design and analysis software or similar tools.
- Ability / Interest to analyze problems, devise appropriate strategies, and interpret results.
- Effective communication and collaboration skills to work with multidisciplinary teams and present findings to both technical and non-technical stakeholders.
- Basic project management skills to manage multiple tasks, deadlines, and priorities.
- Ability to work independently and open for continuous learning

How to Apply:

- Apply with your updated resume mentioning Job code '**NEPL-AE-01**' in email subject to contactus@nurbsengineering.com