



**Designation:** Sr. Project Engineer (Durability/NVH)

**Immediate Supervisor:** Project Leader

**Purpose of job:**

Sr. Project Engineer should be a self-directed, highly motivated, self-starter, flexible and skilled individual with strong demonstrated technical problem solving skills who would be placed as part of CAE support team at the client location or IDIADA premises and should be able to handle vehicle-level model building and Durability /NVH /stiffness load-cases in Abaqus/Nastran, ANSA / Meta-Post, analyse results, make detailed report, propose countermeasures to improve / meet targets in the vehicle.

**Main Responsibilities:**

- Communicate with client for day to day simulation activities and manage activities and deliveries independently.
- To meet the customers' expectations of quality and schedule.
- Report / summary preparation and presentation of result to client and involvement in decision making for any countermeasure to meet project target.
- Build model as per CAD according to the customer modelling guidelines.
- Perform the simulation as per the guidelines.
- Carry out design iterations and propose solutions to achieve the performance targets set by the customer.
- Take decisions on properly setting up simulations.

**Requirements:**

- Shall have at least 6 years of experience in CAE with experience in NVH / Durability / Stiffness and automotive product development.
- Exposure to subsystem level (Interior trims, exterior trims) as well as vehicle level simulations.
- Good understanding of Automotive design & principle understanding of modal alignment charts & stress targets.
- Proficient in ANSA / MetaPost, Abaqus, Nastran,
- Mesh & build complete vehicle model as per the specification.
- Knowledge of other solvers and pre-processors like, LSDYNA, PAMCRASH, Optistruct, HyperMesh, Animator, etc. would be an added advantage.
- Working knowledge of Ansa morphing & proposing design suggestions to meet performance.
- Exposure to scripting language like python is desirable.
- Self-directed, highly motivated, self-starter, flexible and skilled individual with strong demonstrated technical problem-solving skills.
- Outstanding communication and presentation skills.

**Software:**

- Required: Nastran, Abaqus , ANSA, MetaPost, MS-Office
- Desirable: HyperMesh, LSDYNA, PAMCRASH, Animator, Optistruct

**Education:**

- Post-Graduation or Graduate

**Experience:**

- 6 years and above

**Language skills:**

- Required: Fluent English
- Desirable: German, Spanish

**Location:**

- Pune