

## **Job Description (JD) – Electromagnetic Design Engineer**

### **QUALIFICATION:**

B.E/B.Tech/M.E/M.Tech in Electrical Engineering with minimum 70% to have interest to design electromechanical devices (Electrical machines, Sensors, Actuators etc) using electromagnetic design & simulation tools.

### **REQUIREMENTS:**

- In depth knowledge in physics/magnetic principles with ability to use this knowledge on electro mechanical devices.
- Experience in designing anyone of electromechanical devices such as AC/DC Motors, Actuators, Generators, Sensors, Synchro/Resolver, LVDT/ RVDTs, Transformer in Automotive, Aerospace, Industrial, Energy and Defence Applications.
- Ability to use & work on FEA & Motor Design tools such as: ANSYS/ Maxwell, Infolytica/ MagNet, Vector field/Opera, RMXprt, Speed tools etc.
- Work as an individual contributor with significant responsibilities include magnetic design and development, simulation, component selection, prototype, validation, pilot run, manufacturing etc.
- Additional responsibilities include report generation, documentation and progress reporting.
- Able to develop technical expertise in selected product line and develop proposals/growth ideas and work for improving the product.
- Attend and participate in design reviews to ensure to meets customer specification.
- Should have strong communication and presentation skills.