

Optics Engineer JD (DJD202507)	
Roles	Optics Designer (Lens Design & Zemax Specialist) Design and development of objective lens for uncooled LWIR, Cooled LWIR/MWIR. Day optics like Monocular & Binocular Eyepiece and windows for Multi-functional sigh as per the system requirement.
Responsibilities	Develop requirements for optical components and systems based on product requirements. Design, model, analyze, and optimize imaging and/or illumination optical systems using Zemax Optic Studio. Perform detailed tolerance analysis to ensure designs are robust and manufacturable. Create comprehensive design documentation, including performance analysis reports, error budgets, and tolerance reports. Collaborate closely with mechanical engineers, electrical engineers, and manufacturing partners to ensure design feasibility and successful integration. Support the prototyping, testing, and validation of optical systems in the lab. Characterize and troubleshoot optical performance issues during development and production. Stay current with the latest advancements in optical design software, manufacturing techniques, and component availability.
Category	Description
Qualifications	Bachelor's or Master's degree in Optics, Physics or a related field.
Experience	3+ years of direct, hands-on experience in optical design.
Technical and process Capabilities	High proficiency with Zemax OpticStudio Strong theoretical knowledge of geometrical optics, aberration theory, diffraction, and image formation. Proven experience in designing and optimizing multi-element lens assemblies. Solid experience performing sensitivity and Monte Carlo tolerance analysis. Experience selecting appropriate optical materials, coatings, and manufacturing methods. Proficiency with programming/scripting for automation (e.g., ZPL - Zemax Programming Language). Familiarity with other software tools (e.g., Code V, OSLO) is a plus.
Behavioural	Collaborative , Capable to interact / interface with customers, vendors & Cross functional team Excellent problem-solving, analytical, and critical thinking skills. Passionate & Learning ability
Values	Accountable & Responsible Ethics & Integrity, Knowledge, Collaboration, Caring, Agility, Empowerment with Accountability and Sustainability
Preferred Experience, Knowledge & Attributes	Experience in industries such as Medical Devices, Consumer Electronics, Defense Hands-on laboratory skills for optical system alignment, testing, and metrology (e.g., MTF & collimator measurement). Understanding of thermal and structural effects on optical performance.
Location	Bangalore