

Job Description: CAD/CAM Senior

i. General Information				
Role: CAD/CAM Designer		Department: Product Engineering Armor		
Division: Helmet Business		Job Grade/Level: Deputy Manager/ Assistant Manager / Sr. Engineer Design and Development		
Functional Reporting: PE head		Administrative Reporting: PE head		
	ii. Job Objective			
metallic/ polym complete produc and end custome	eric products/ components. This t and/or accessories in the produc	e design and development of several plastic/ textile/ s position will be responsible for assembly of the t and solving any challenge that comes up in assembly also be responsible for identification of standard parts		
	iii. Key Resı	oonsibility Areas		
Execution Coordination & Reporting				
	 sample preparation. Coordination with subor Reporting the project station Coordination with production team for identication for identication team for identication for identication team for identication 	arement team for purchase of accessories required for rdinates for status tracking of each project. atus at DMT meetings. act manager, bid management and costing team and ntification of new projects ead for KPI and KRA reporting.		

Development	 Training and development plan for subordinates. Provide your insights and experience and knowledge gain through reverse engineering in product development to create USPs in the product. Identify improvement points in product assembly process to make it more cost friendly and lean. Identification of training required for getting skills to complete future Projects. Identification of standard parts supplier to make the sample preparation process more agile. 		
	iv. Key Performance Indicators		
Timeliness	Making sure that projects are being completed on time and if there is any discrepancy then escalation of such to PE head with new estimated timeline.		
Budget creep	Making sure that the projects stay under the allocated budget and if there is any discrepancy then escalation of such to PE head with new estimated budget.		
Product USP	Creating USPs in current design to make a user-friendly product and going up and above the customer basic requirement.		
First Pass	Creating accessory designs which can pass assembly, sales, and QC verification in		
ratio	one go.		
v. Stakeholder Interactions			

Type of interaction	Interaction with	Nature of interaction		
Internal	Product Engineering head	Work closely with PE head for identification of new projects to be undertaken		
Internal	Project Coordinator, Bid management and Costing	Reporting timelines of projects, technical feasibility study and compliance sheet		
Internal	QC, Sales	Solving queries of Sample verification and provide countermeasures for any issue identified.		
Internal	Tech-Transfer	Coordinate with Tech-Transfer team to clarify issue in assembly and provide WIS for the same.		
External	Suppliers	Coordinate with suppliers to tackle any queries and issues during manufacturing of designed parts.		
vi. Job Specifications				
Qualification	Min. qualification required	B.Tech Mechanical/ Tool design/ Plastics Engineering(Tier 2 colleges). Auto CAD, Solid works certification is must.		
	qualifications	Prior Designing experience for End user product or tool designing		
Relevant Experience	Min. no. of years of relevant experience required	5+ year of overall experience and 3+ year of relevant experience		
Knowledge and Skills Required		 Good technical, spatial and design thinking. Market knowledge for standard parts availability. Knowledge of 3D printing and additive manufacturing (SLS, SLA, FDM etc.). Knowledge about FMEA and DFMEA. Knowledge about plastic processing techniques (injection molding, compression molding etc.) Knowledge about textiles and its products. Basic knowledge of requirement of mass assembly process. 		