➢ The client details

- A Vadodara based Start-up who was eager to develop their new product for a medical industry.

➢ Project Details (Scope of work of the project)

- Development of Magnifying Specs from design to actual production.

➢ Business need of the client

- The client wants an engineering designed product which can fulfill his idea to cater a medical segment from a concept to production.

➢ Duration of the project

- Engineering Technique completed this project within 1 week of time including design to production guidance.

➢ Technology used

- CAD modeling and drafting
- 3SP 3D Printing Technology

➢ Deliverables

- Actual parts and design

➢ Challenge and Solution provided/value addition

- The client had a limited budget for his product and thus it is highly risky if the product doesn't capture market segment w.r.t cost to the product.
- As an Engineering Consultant, Engineering Technique had provided to launch a product with a 3D printed part only to check market opinion for their product as well as to check design aspects.
- 3D printed product was very cost effective compared to the traditional manufacturing process for initial production and based on that client decided whether to move further with huge investment for bulk production or not.

- Below is a comparison for launching a product with 3D printing technology and traditional manufacturing processes

MAGNIFYING GLASS CASE	Details	QTY	COST	Total Cost
Moulding Process	Metal Mold Cost	1	80,000.00	
	Production Cost	1000	30,000.00	1,10,000.00
3D Printing Process	3D Printed Part	5	10,000.00	
	Painting Cost	5	1,000.00	11,000.00

As per collected data, it was very expensive just to launch a product and take a risk if a product is not accepted by a market for this start-up.
They choose a 3D printing technology over traditional manufacturing process to launch their product.
After selling initial 5 products to different customers and based on customers review they decided to invest further in this product.

➢ Project snaps

STAGE 1 : 3D PRINTED PART

STAGE 2 : LAUNCHED PRODUCT