



Empowering Minds


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**SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ENQUIRY BASED EDUCATION**

Name of Faculty : Mrs.CH.ANUSHA  
Designation : ASSISTANT PROFESSOR  
Year/sem : IV B.TECH- I SEM  
Course Name : ADDITIVE MANUFACTURING  
ACADEMIC YEAR : 2024-2025

Topic: Applications, advantages & disadvantages of SLS.

S.N O	QUESTION	RESPONSE SHEET
1	Applications of SLS process	Concept models Functional models and working prototypes Polycarbonate (Rapid Casting) patterns. Metal tools (Rapid Tool).
2	Advantages of SLS process	Good part stability Wide range of processing materials No part supports required. Little post-processing required. No post-curing required. Advanced software support
3	Disadvantages of SLS process	Large physical size of the unit High power consumption. Poor surface finish.

  
Signature Of Faculty