

# RPT Method Selection using MCDM Techniques

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**Abstract:** *Rapid Prototyping is the one of the emerging technology in the field of manufacturing which substantially reduces the product development time. Many times when multiple manufacturing processes are available for product manufacturing it may be troublesome for selecting the right one. The rapid prototyping methods can be implemented for rapid production of products or prototype but due to various process capabilities it is difficult to select the correct method. The process can be selected according to the products requirement or availability with concern of various criteria of the product such as surface finishing, build time. Geometrical accuracy, material elongation etc. with the proper decision support system for process selection the higher accuracy and reliable output can be obtained. This paper includes remarks about current rapid prototyping methods along with their strengths and weaknesses.*

**Keywords:** RP Methods, Decision criteria, process capabilities