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S.NO	Name of the Author	Title of the book/chapters published	
1	Dr. T. SATYANARANA		Year of publication
2		Cloud computing and machine learning in the green power sector	2024
	Dr. T. SATYANARANA	Fused deposition modelling of mal 1	2024
3 4	Dr. T. SATYANARANA	acid based polymer composites Engineering thermodynamics	2024
7	Mr. U.ARUN	Construction and technology	2024
		management	2024

Chapter 6 Cloud Computing and Machine Learning in the

Green Power Sector:

Data Management and Analysis for Sustainable Energy

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Chapter 5

Fused Deposition Modelling of Polylactic Acid (PLA)-Based Polymer Composites: A Case Study

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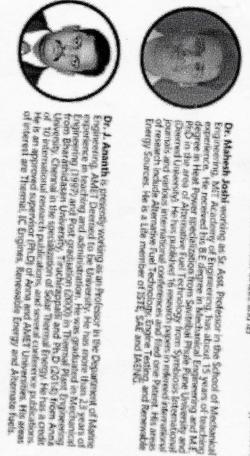
Sampath Boopathi

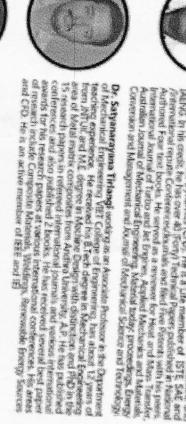
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ABSTRACT

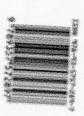
In this chapter, a case study on polymer composites made using the fused deposition modelling (FDM) process is exemplified. The fundamentals of the additive manufacturing process, such as stages, applications, classifications, disposal methods, material selection, general principles of FDM, and selection process parameters, have been explained. The case study focuses on creating practical four-dimensional feedstock filament prototypes out of polylactic acid (PLA), polyvinyl chloride (PVC), wood powder,

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