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SNS COLLEGE OF TECHNOLOGY

Approved by AICTE. New Debth, Affiliated to Anna University, Chennal Approved by AICTE. New Debth, Affiliated to Anna University, Chennal Accredited by MAICTEC with A + + ' Grade (Cycle III) & Accredited by MAICTEC EEE, ECE Mech & BTech III



COIMBATORE-641 035, TAMIL NADU Reg. No:

B.E/B. Tech- Internal Assessment - III

Eighth Semester

19MEZ407 - Smart Manufacturing Process Mechanical Engineering Maximum Marks: 50

Answer All Questions

Time: 112 Hours

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What is NURBS surface model?

State the advantages & disadvantages of Additive Manufacturing

PART - B (2*13=26 Marks) & (1*14=14 Marks)

List out the stages involved in additive manufacturing

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Write the different technologies utilized in Rapid Prototyping

Mention the Hardware & Software involved in Rapid Prototyping

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Academic Year 2024-2025 (Even Semester)

Blooms Blooms Kem Rem Kem Und Und Und Und . Und Ana Ana 6. 00 List the components of additive manufacturing Mention the role of reverse engineering in manufacturing process What is point clouds and meshes in Rapid Prototyping? a (a) Define Rapid Prototyping. (a) 3 9 What is additive manufacturing? Time: 112 Hours Describe the general methodology of rapid prototyping in detail Sketch on the principle involved in additive manufacturing in detail As an engineer, how do you differentiate reverse engineering and Explain the hardware and software involved in the rapid prototyping llustrate the challenges and limitations of additive manufacturing in detail Academic Year 2024-2025 (Even Semester) 19MEZ407 - Smart Manufacturing Process PART - B (2*13=26 Marks) & (1*14=14 Marks) B.E/B.Tech- Internal Assessment - III Mechanical Engineering Answer All Questions **Eighth Semester**

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UND - Understand	•

APP- Apply

ANA- Analyze EVA - Evaluate

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Explain various technologies of additive manufacturing in detail

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How is additive manufacturing applied in real world applications?

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REM - Remember Bloom's Taxonomy:

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Illustrate the stages and components of additive manufacturing

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How do you select an appropriate reverse engineering system with

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Maximum Marks: 50

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COIMBATORE-641 035, TAMIL NADU

Reg. No:

Reg. No:

Academic Year 2024-2025 (Even Semester) B.E/B.Tech- Internal Assessment - III Mechanical Engineering Eighth Semester

Answer All Questions Maximum Marks: 50

Time: 112 Hours

19MEZ407 - Smart Manufacturing Process

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Explain various technologies of additive manufacturing in detail

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Mention the role of reverse engineering in manufacturing process. What is point clouds and meshes in Rapid Prototyping?

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PART - B (2*13=26 Marks) & (1*14=14 Marks)

List out the stages involved in additive manufacturing

What is NURBS surface model?

Mention the Hardware & Software involved in Rapid Prototyping Write the different technologies utilized in Rapid Prototyping

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Define Rapid Prototyping.

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Time: 112 Hours

19MEZ407 - Smart Manufacturing Process

Answer All Questions

Mechanical Engineering

Academic Year 2024-2025 (Even Semester)

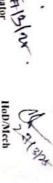
Eighth Semester

B.E/B.Tech- Internal Assessment - III

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Maximum Marks: 50

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IA-3 (SET-A)

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