Weekly Report – [Machine Bed and Yaw & Nacelle ]

Team Leader: [Sathishkumar Venkatachalam]

Week Number: [Week 3, 03 to 09 August 2025]

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1. Summary of Progress This Week

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• [Short bullet or paragraph overview of what the team worked on]

1. Collect review papers and Data’s related to machine bed and yaw system for further literature studies.

2. Each person working on different machine bed casting process for better outcome from different journals.

• [Highlight tasks completed or in progress]

1. Mostly collect sufficient basic study data but need more to improve and also studying the SAKTHI report for brainstorming.

• [Mention any collaboration with other teams, if applicable]

1. None, but talking with seniors and industrial professional for yaw and nacelle mechanism – Team Vestas.

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2. Milestone/Deadline Status

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• Current Phase: [ Concept Phase, Interface Freeze, etc.]

1. Concept and Outline structure for design. But for concept freezing take time, probably before end of August.

• On Track?: [Yes/No]

1. Yes!

• Notes: [If delayed, explain why and new estimate]

1. None

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3. Next Week’s Plan

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• [Brief tasks or goals for the upcoming week]

1. Benchmarking and Idea generation for VAVE design, Study of CAD, CAE and European GD&T

• [Mention any planned meetings or dependencies]

1. Every Tuesday we have team meeting to discuss about the progress and Going forward.

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4. Request to Head of Project

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• [Specify if you need any files, software, licenses, or support from other teams]

1. Need a support for Learning of GD&T and Manufacturing process of casting system.

• [Any organizational support or coordination help]

1. yes, Looking for industrial visit to development manufacturing ideology

• [Mention any technical or coordination issues]

1. None.

• [Explain what support is needed, if any]

1. Last year, technical drawing for bed design and yaw system