**Weekly Report – [Machine Bed and Yaw System]**

Team Leader: [Shoukat Abbas]

Week Number: [Week 5]

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1. Summary of Progress This Week

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* Advanced literature review on machine bed concepts (cast vs. welded).
* Reviewed yaw system variants; electric drives + roller bearings identified as baseline.
* Integrated theyaw system concept into benchmarking.
* Outlined initial machine bed–yaw system interfaces.
* Coordinated with the Loads & Dynamics team on the timeline for load data.

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2. Milestone/Deadline Status

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• Current Phase: Concept Phase (Benchmarking + Literature Integration)

• On Track? [Yes]

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

* Moving to detailed Design/CAD.

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3. Next Week’s Plan

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* Finalize comparison tables (bedplate types, yaw drives, bearings).
* Prepare early sketches/CAD of machine bed + yaw system arrangement.
* Plan meeting with Loads & Dynamics to ensure interface alignment.
* Collect supplier data for yaw bearings & drives.

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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]

• [Any organizational support or coordination help]

Guidance on whether to include supplier cost benchmarking already in September, or later in October.

• [Mention any technical or coordination issues]

Group Leader changed from **Sathishkumar Venkatachalam** to **Shoukat Abbas** due to some reasons, as Sathish said it is difficult for him to manage all the things.

• [Explain what support is needed, if any]