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| **Research Intern Monthly Progress Report** | | | |
| For the month: January 2026 | | | |
| Intern Name: | Sher Partap Singh | | |
| PI/Reporting to: | Prof. Sunita Chauhan | | |
| No. of Days Present: | 17 | No. of Absents: | 0 |

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| S.No. | Dates | | Tasks Done |
| **From** | **To** |
| 1 | 15 Jan | 18 Jan | **Cost Analysis & Feasibility Study:** Conducted detailed cost analysis for large-scale dataset creation and fine-tuning (≥40B parameter models), including synthetic data generation, medical validation, compute, and manpower requirements. Prepared cost breakdowns to assess feasibility for pilot and scaled deployments. |
| 2 | 19 Jan | 23 Jan | **Evaluation Framework Extension:** Extended the evaluation framework with deeper semantic and safety-focused metrics. Refined embedding-based similarity scoring, hallucination detection, ambiguity flagging, and section-level alignment analysis. Consolidated automated and manual evaluation insights to support model ranking and clinical safety claims. |
| 3 | 24 Jan | 31 Jan | **Stakeholder Engagement, Demos & Multimodal Exploration:** Prepared for and attended discussions related to Tata Memorial Centre (TMC) POC exploration. Developed product demos showcasing unstructured-to-structured clinical report conversion. Analyzed next-step requirements based on stakeholder feedback, including multi-report unstructured input → single structured output. Additionally, researched audio-to-text pipelines and structuring approaches for clinical speech (multilingual ASR → medical entity extraction → structured output). |

**Bank Account details:**

 **Account Holder Name:** Sher Partap Singh

 **Account Number:** 033325221578709

 **Name of the Bank:** Slice Small Finance Bank

 **IFSC Code:** NESF0000333

 **Branch:** Koramangala, Bangalore

*Intern’s Signature Signature of the Reporting Manager*