plan

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October 2025

ID	Section	Task / SMART Goal (Specific – Measurable – Achievable – Relevant – Timebound)	Deadline	Status
G1	4.2 System Requirements	Expand each requirement into full sentences. Add ISO or ergonomic references (ISO 9241-210 / ISO 45001). Link to research questions (real-time feedback, intrusiveness).	Thu evening	[ ]
G2	4.3 Framework Architecture	Create system architecture figure (Quest 3 - Windows PC - Teslasuit via LSL). Write data-flow explanation incl. latency targets and MQTT note.	Fri noon	[ ]
G3	4.4 Posture Analysis Concept	Write 2–3 pages describing RULA-based analysis pipeline. Include flow diagram or pseudocode (joint angles → RULA → risk → feedback). Cite at least 2 papers.	Fri evening	[ ]
G4	4.5 Hazard Detection Concept	Define spatial calibration (Quest–Teslasuit mapping). Explain danger-zone geometry and fusion logic. Add illustrative figure.	Sat noon	[ ]
G5	4.6 Feedback Modalities	Compare haptic vs visual feedback. Add table of modality parameters (channel, latency, comfort). Include 2–3 citations from XR/haptics studies.	Sat evening	[ ]
G6	4.7 Interaction Design	Expand to 1.5 pages. Reference ISO 9241-210. Add "Safety-Critical Design" with error prevention and cognitive-load discussion.	Sun noon	[ ]
G7	4.8 Evaluation Criteria	Create table linking research question - metric - measurement method - success threshold. Define quantitative criteria (e.g., latency under 150 ms).	Sun afternoon	[ ]
G8	4.9 Summary	Write 1 paragraph (ca. 150 words) summarizing conceptual design and introducing implementation chapter.	Sun evening	[ ]

Table 1: Checklist for completion of Chapter 4 – Concept (Thursday → Sunday Deadline)