# Project Sheet

| | Task |
|---|---|
| | Modify |
| 1 | 1. Planning and Initiation |
| 2 | 1.1 Identify project purpose |
| 3 | 1.2 Requirements Gathering and analysis |
| 4 | 1.3 Feasibility and Risk Assessment |
| 5 | 1.4 Tech Stack Finalization |
| 6 | 2. Sprint Backlog and designing |
| 7 | 2.1 Define iteration and sprint schedule |
| 8 | 2.2 UI/UX design and planning |
| 9 | 2.3 Task Scheduling |
| 10 | 3. Development Phase |
| 11 | 3.1 Sprint 1: User Authentication |
| 12 | 3.1.1 Sprint Analysis |
| 13 | 3.1.2 User Registration |
| 14 | 3.1.3 User Login |
| 15 | 3.1.4 Sprint Review and Retrospective |
| 16 | 3.2 Sprint 2: Emotion Detection |
| 17 | 3.2.1 Sprint Analysis |
| 18 | 3.2.2 Dataset collection and preprocessing |
| 19 | 3.2.3 Model Training |
| 20 | 3.2.4 Webcam Integration |
| 21 | 3.2.5 Sprint Review and Retrospective |
| 22 | 3.3 Sprint 3: Music Recomendation |
| 23 | 3.3.1 Sprint Analysis |
| 24 | 3.3.2 Music emotion mapping |
| 25 | 3.3.3 Recommendation Music Algorithm |
| 26 | 3.3.4 Local music library management |
| 27 | 3.3.5 Sprint Review and Retrospective |
| 28 | 3.4 Sprint 4: User Mood History Tracking |
| 29 | 3.4.1 Sprint Analysis |
| 30 | 3.4.2 Emotional State logging Mechanism |
| 31 | 3.4.3 Monthly visualization |
| 32 | 3.4.4 Data Filtering and analytics |
| 33 | 3.4.5 Dashboard UI for mood history |
| 34 | 3.4.6 Sprint Review and Retrospective |
| 35 | 3.5 Sprint 5: Music Preference Settings |
| 36 | 3.5.1 Sprint Analysis |
| 37 | 3.5.2 Planning Customization options |
| 38 | 3.5.3 Manual emotion override |
| 39 | 3.5.4 Sprint Review and Retrospective |
| 40 | 3.6 Sprint 6: Frontend Interface design |
| 41 | 3.6.1 Sprint Analysis |
| 42 | 3.6.2 Implement User-friendly development |
| 43 | 3.6.3 Real time emotion display screen |
| 44 | 3.6.4 Music recommendation display UI |
| 45 | 3.6.5 Sprint Review and Retrospective |
| 47 | 3.7 Sprint 7: System Optimization and performance enhancement |
| 52 | 4. Final Testing |
| 53 | 4.1 Unit testing |
| 54 | 4.2 Integration Testing |
| 55 | 4.3 Bug Fixing |
| 56 | 5. Documentation |
| 57 | 5.1 Documentation Planning |
| 58 | 5.2 Final Documentation Generation |
| 59 | 5.3 Final Review |
| 60 | 5.4 Final Report |