**AI Performance Dashboard Prototype**

**Overview**

This dashboard design outlines the key performance and ethical governance metrics for an AI homework support system deployed in a high school environment (ages 12-18). The purpose is to monitor the system's technical effectiveness, fairness, compliance and user satisfaction.

**1. Technical Performance Metrics**

| **Metric** | **Target** | **Current Value** | **Notes** |
| --- | --- | --- | --- |
| Accuracy Rate | 95%+ | 92% | Slight drop from 94% last month |
| Error Reports (monthly) | < 5 | 3 | Within threshold |
| Uptime | 99.9% | 99.8% | One minor service interruption |
| Average Response Time | < 3 seconds | 2.5 seconds | Performing well |

**2. Fairness and Equity Metrics**

| **Metric** | **Target** | **Current Value** | **Notes** |
| --- | --- | --- | --- |
| False Negative Rate by Language Group | < 5% variation | 8% difference | Under review - possible model bias for ELL students |
| Support Distribution Equity (by grade level) | Even distribution | Balanced | No discrepancies identified |

**3. Compliance & Risk Indicators**

| **Compliance Item** | **Status** | **Last Reviewed** | **Notes** |
| --- | --- | --- | --- |
| DPIA (Data Protection) | ✅ Up-to-date | March 2025 | Updated after model update |
| Parental Consent | ✅ 100% | July 2025 | Collected and verified |
| Logs Maintained & Stored | ✅ Yes | Ongoing | Retained for 12 months |
| Serious Incidents Reported | 0 | N/A | No major incidents |

**4. User Feedback & Engagement**

| **Metric** | **Target** | **Current Value** | **Notes** |
| --- | --- | --- | --- |
| Teacher Satisfaction Score | 80%+ | 87% | Teachers report usefulness & clarity |
| Student Satisfaction Score | 75%+ | 78% | Positive response, room for improvement |
| Issue Reports from Teachers/Students | Track only | 4 reports | Resolved via Help Desk |

**Dashboard Use and Review Cycle**

* **Reviewed Monthly** by AI Governance Committee
* **Shared Quarterly** with school leadership
* **Simplified version available** to families via school newsletter

This prototype can be converted to a spreadsheet or basic web-based dashboard using tools like Google Sheets, Power BI or Looker Studio.

**Next Steps**

* Investigate 8% disparity in language-based prediction accuracy
* Consider re-training AI model with more diverse data
* Add metric for “explainability quality” (e.g. user-rated clarity of AI explanations)