

## Ethical Reflexive Integration Framework (ERIF)

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### Overview

The Ethical Reflexive Integration Framework (ERIF) is an ongoing research initiative focused on developing next-generation artificial intelligence systems capable of real-time ethical awareness, adaptive decision-making, and post-action reflection, particularly in high-risk human–machine environments such as surgery.

### Research Direction

This work builds upon the concept of Intelligence Reflex (2017) and extends toward the development of ethically reflexive agents that can:

- Monitor human cognitive and environmental states
- Detect ethical conflicts during decision-making
- Provide real-time adaptive feedback
- Learn from outcomes through structured post-event reflection

### Current Status

The ERIF framework is currently under active development as part of the Layveer Reflexive AI initiative.

Detailed technical specifications and system architecture are not publicly disclosed at this stage.

### Intellectual Property Notice

Indian Published Patent Application No.: 202511070784

“Ethically Reflexive Artificial Intelligence in Surgery and High-Risk Human–Machine Tasks”

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### Statement

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