

# Project Highlights: Parental Control System

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Presented by:                      205124036 Gian Singh Negi                      205124038 Himanshu

Github Link: <https://github.com/himanshubhuker/Parental-control>

## Overview:

A parent-child agent system enabling remote monitoring and management of a child device's network activities through a secure, intuitive interface.

## Technologies Used:

- **Python:** Core programming language for both components.
- **Sockets & Threading:** Network communication and concurrent handling.
- **Pyautogui & Base64:** Screenshot capture and encoding.
- **Ctypes:** Native system calls for screen locking.

## Key Features:

- **Remote Command Execution:** Send and receive commands to/from child devices.
- **Website Blocking:** Enforce safe browsing by blocking specified URLs.
- **Application Monitoring:** Track active applications on the child device.
- **Screen Locking:** Remotely lock the child device's screen.
- **Live Screenshot Capture:** View real-time screenshots for immediate oversight.
- **Anomaly Detection & Alerts:** Log and alert on unusual activities.

## Future Improvements:

- End-to-end encryption (SSL/TLS) and user authentication.
- Enhanced dashboards and dynamic anomaly sensitivity.
- Scalable architecture to support multiple child devices.
- Integration with system event logs for deeper insights.