**Title of the project: Home Automation System.**

**Team Members:**

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**Proposed methodology:** Cisco PacketTracer.

**Components:** Wireless router ,iot server , switch ,laptop ,ac ,garage ,fan ,light ,Cell tower ,Central server.

**Description**: A home automation system refers to the integration of various smart devices and technologies to enable the centralized control and automation of functions within a household. The primary goal is to enhance convenience, efficiency, security, and energy conservation. Features of this system are –

* The central hub serves as the brain of the home automation system, responsible for coordinating and managing communication between different devices.
* Users can monitor and control their smart devices from anywhere using a mobile or web interface, providing flexibility and convenience.
* Automated control of lighting system, including the ability to on or off the lights or adjust brightness.
* Integration with security devices such as smart cameras and smart locks for enhanced home security.
* Smart thermostats allow users to remotely control air conditioning system, optimizing energy usage and comfort.