HOME AUTOMATION
AN INTRODUCTION
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HOME AUTOMATION

• What is Home Automation?
  • Home automation refers to the automatic and electronic control of household features, activities, and appliances.

• What is Required?
  • Internet Connection
  • Wi-Fi Router
  • Smartphone or tablet
  • Connected appliances and devices
  • Voice operated Controller or Host (optional)
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• Reasons for Home Automation
  • Convenience of Control of Many Devices
• Security
  • Door Locks
  • Cameras
  • Motion Sensors
  • Lighting
  • Garage Door Openers
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• Energy Savings
  • Connected bulbs are LED and low wattage
  • Can be controlled ‘on demand’
  • Can be controlled remotely
  • Thermostats
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• Types of Home Security
  • ADT
  • Vivent Smart Home
  • Cox Home
  • Independents Contractors
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• Costs
  • Installation
  • Monthly Fees
  • Equipment
  • Activation
HOME AUTOMATION

• Do It Yourself DIY
• Devices cost but you can monitor free
• Systems
  • Hub Required
  • Easy connectivity
  • Usually only 1 Hub required to control everything
• Devices
  • Mostly not connected
  • Require multiple apps to control everything
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• Standalones. These devices can be installed and controlled independently with a smartphone or tablet through wi-fi
  • Thermostats
  • Lighting devices
  • Door Bells
  • Door Locks
  • Wi-Fi Smart Plugs
  • Household appliances
There are many different devices that make up today's smart home:

- Thermostats
- Door locks
- Speakers
- Refrigerators
- Crock pots
- Robots
- Vacuum cleaners
- Personal assistants
- Baby monitors
- Security systems
- Door bells
- Garage door openers
- Plugs and switches

Most people start to develop a smart home with lighting.
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• Types of hubs or controllers
  • Google Home or
  • Amazon Echo, Dot or
  • Samsung Smart Things or
  • Logitech Harmon
  • Supplied controller (i.e. Hue hub)

• Cost - $50 to $200
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• What are Hubs?
  • Smart home automation hubs are a one-stop solution for unifying your connected gadgets
  • Allows controlling them from one simple app on your Smartphone or Tablet
  • Support different connectivity protocols
  • Support for IFTTT (If This Then That) to configure and trigger your connected devices
  • Voice Activated
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• What Can a Home Automation Hub Do?
  • Turn on your lights and other connected devices from one app.
  • Daily Reminders
  • Interact with your daily calendar
  • Find locations of businesses
  • Tell the Weather and News
  • Customize tasks with IFTTT (If this, then that)
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• IFTTT Explained
  • IFTTT is a cloud-based if/then engine that allows users to write simple home automation rules ("recipes") for popular smart devices like Philips Hue, Lutron, Nest, Belkin Wemo and SmartThings.
  • The platform also supports online services such as Twitter, Facebook and SMS messaging.
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• IFTTT (If this, then that) Overview
  • Triggers are the "this" part of an applet.
  • They are the items that "trigger" the action.
  • For example, from an RSS feed, you can receive a notification based on a keyword or phrase.
  • Actions are the "that" part of an applet.
  • They are the output that results from the input of the trigger.
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• Applets (formerly known as recipes) are the predicates made from Triggers and Actions.

• For example, if you like any picture in Instagram (trigger), the photo will be sent to your Dropbox account (action).

• Ingredients are basic data made available from a trigger.

• For example, the data that are available from the email trigger include subject, body, attachment, received date, and the sender’s address.
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- Using simple Applets or recipes, IFTTT can control your lights, motion, thermostat, etc.
- Applets are readily available for both Android and iOS
- www.ifttt.com
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Examples:

1. If it's 30 minutes before sunset on weekdays, turn on my WeMo table lamp.

2. Call me immediately if a special emergency code was used to unlock my home.

3. If I leave home, run a HomeSeer event to lock my doors, shut off my lights and adjust my thermostat.
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• Getting Started
  • Make a Plan
  • Decide what you would like to automate
  • Keep it simple
  • DIY – Do it yourself

• IFTTT Website – free recipes [www.IFTTT.com]
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• Wemo Mini Smart Plug

• PEACE OF MIND WITH REMOTE CONTROL

• When a light or appliance is plugged into a Wemo Mini Smart Plug, you can turn it off from your phone or tablet no matter where you are.

• You’ll never have to worry that you accidentally left the iron on or coming home to a dark house again.
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• CONTROL YOUR HOME FROM ANYWHERE

• The Wemo Mini Smart Plug lets you control your electronic devices right from your phone or tablet.

• The Smart Plug uses your existing home Wi-Fi network to provide wireless control of lamps, heaters, fans, and more--with no subscription or hub required.

• Simply plug the Wemo Mini Smart Plug into an electrical outlet, plug a device into the Smart Plug, and control your device using the free Wemo app.
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• Whether you’re unwinding on the couch or vacationing in the Caribbean, you’ll be able to remotely control your lights and appliances from anywhere in the world.

• Compatible with Echo, Dot, Google Home and IFTTT
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• SUMMARY:

• Large variety of home automation options available to you.

• Scan your property with video cameras, lock or unlock the doors, and turn on or off the lights from anywhere in the world.

• Control the temperature in your house, play music in selected rooms, and more.
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• All you need is a computer or a mobile phone to easily control and monitor the many aspects of your home.

• Home automation can also be enhanced with a home security system to offer added security for your home and family.
QUESTIONS?

INTRODUCTION TO HOME AUTOMATION

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