VECTOR INDIA

MAKE YOUR OWN ALEXA

PREREQUISITE

- Knowledge on Linux build system
- Working knowledge on Raspberry Pi is added advantage
- Working knowledge on ESP32 is added advantage
- Hands on experience on C

COURSE CONTENT

- Understanding Speech recognition mechanisms
- Basics of Alexa
- Internals of Alexa ecosystem
  - AVS
  - AWS registration for Alexa
- Alexa Skill creation
- Setup Raspberry Pi
- Installing Alexa on Raspberry Pi
  - Configure and launch AVS on Raspberry Pi
- Alexa applications
  - Music Control
  - Weather
- Home automation control using Alexa with ESP32 IoT module

HARDWARE REQUIREMENTS

- Raspberry Pi 4
- ESP32
- Mic and speaker