

| Chapter number | Software required (With version) | Hardware specifications | OS required |
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| Chapter 3 A Social and Personal Digital Photo Frame | <ul style="list-style-type: none"> FEH 2.18.3 https://feh.finalrewind.org/ | <ul style="list-style-type: none"> Raspberry Pi 3 Waveshare HDMI screen 5V power supply HDMI to HDMI cable Phillips head screw driver | Raspbian |
| Chapter 4 Integrating a Real-time IoT Dashboard | <ul style="list-style-type: none"> Eclipse Paho Java client https://repo.eclipse.org/content/repositories/paho-releases/org/eclipse/paho/mqtt-client/0.4.0/ <ul style="list-style-type: none"> Pi4J http://get.pi4j.com/download/pi4j-1.1.zip | <ul style="list-style-type: none"> Raspberry Pi 3 5V power supply | Raspbian |
| Chapter 5 Wireless Controlled Robot | <ul style="list-style-type: none"> Pi4J http://get.pi4j.com/download/pi4j-1.1.zip | <ul style="list-style-type: none"> One Zumo Chassis Kit (No Motors) Two 100:1 Micro Metal Gearmotor HP 6V One H-Bridge Motor Driver - SN754410 Breakout Board Aluminum Standoff: 1/4" Length, 2-56 Thread, M-F | Raspbian |

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| | | <ul style="list-style-type: none"> (4-Pack) Aluminum Standoff: 3/4" Length, 2-56 Thread, M-F (4-Pack) Machine Screw: M3, 5mm Length, Phillips (25-pack) Two 0.1μF ceramic capacitors Four rechargeable NiMH AA Batteries One USB Battery Pack for Raspberry Pi - 10000mAh - 2 x 5V outputs Raspberry Pi 3 5V power supply | |
| Chapter 6 Building a Multi-purpose IoT Controller | <ul style="list-style-type: none"> Jetty 9.4.2.v20170220 http://www.eclipse.org/jetty/download.html FileZilla https://filezilla-project.org/ | <ul style="list-style-type: none"> Raspberry Pi 3 5V power supply 3mm LED 220 ohm resistor Hookup wires | Raspbian |
| Chapter 7 Security Camera with Face Recognition | <ul style="list-style-type: none"> OpenCV http://opencv.org/downloads.html | <ul style="list-style-type: none"> Raspberry Pi 3 5V power supply Raspberry Pi Camera | Raspbian |

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| | | Module with mount | |
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