

Image Processing (Python and OpenCV)

<https://pythonprogramming.net/loading-images-python-opencv-tutorial/>
<https://www.youtube.com/playlist?list=PLQVvva0QuDdtJXlLtAJxJetJcqmqlQq>
http://docs.opencv.org/3.0-beta/doc/py_tutorials/py_tutorials.html
http://opencv-python-tutroals.readthedocs.io/en/latest/py_tutorials/py_setup/py_intro/py_intro.html

Machine Learning

<https://pythonprogramming.net/machine-learning-tutorial-python-introduction/>
<https://pythonprogramming.net/data-analysis-python-pandas-tutorial-introduction/>
<http://adventuresinmachinelearning.com/neural-networks-tutorial/>
<https://www.tensorflow.org/install/>

Analog and Digital Electronics

https://www.electronics-tutorials.ws/transistor/tran_1.html
https://www.electronics-tutorials.ws/transistor/tran_4.html
<https://www.electrical4u.com/charging-a-capacitor/>
https://www.electronics-tutorials.ws/rc/rc_2.html
<https://www.electronics-tutorials.ws/waveforms/astable.html>
<https://www.youtube.com/watch?v=DXvAlwMAxiA>

[Working of a Transistor](#)

[Basics of 555 Timer](#)

[Operational Amplifier](#)

[General Electronic Tutorials](#)

<https://www.youtube.com/watch?v=M0mx8S05v60&list=PLBlnK6fEyqRjMH3mWf6kwqiTbT798eAOm>

Embedded Systems

[AVR Microcontroller and Embedded Systems - EBook](#)

[Newbiehack Microcontroller Tutorials](#)

[Circuits Today AVR Tutorials](#)

<http://www.avr-tutorials.com/>

<http://maxembedded.com/>

[Arduino IDE - Windows](#)

[Arduino IDE - Linux 64 Bit](#)

[Online Arduino Simulator](#)

Communications Technology

[I2C Tutorial](#)

[Introuduction to I2C](#)

<https://www.youtube.com/watch?v=6IAkYpmA1DQ#action=share>

Control Systems

[Bluetooth basic](#)

[Arduino_python_programming](#)

[Usart_send.ino](#)

[Usart_receive.ino](#)

[Tachometer using interrupt](#)

[PID_control_algorithm](#)

[LM293D_arduino](#)

[Polar and Cartesian Coordinates](#)

Arduino UART Driver(Incase existing driver doesnt work and Arduino isnt detected properly)

<https://drive.google.com/drive/folders/0B0JLls1u8SxZYVNpanQ5VnhDeLU>