APSC 1001 & CS 1010

Introduction to Engineering for Undeclared Majors Computer Science Orientation

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Fall 2021

Photo: Kartik Bulusu

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What you should expect in the next 8 weeks ?

Kick off exercises

Transformational experience

What your instructor expects in the next 8 weeks ?

Observe, Ask and Try

Exposure
- To Student life
- To Departmental Life
- To Departmental Research

Identify
- Challenges
- Opportunities
- Gaps
- Surprises

Opportunities
- Obvious
- Hidden
- Entrepreneurial etc.

Skills
- To co-work with colleagues
- To Make
- To Implement

Build cool hacks with Raspberry Pi

Accomplish tasks with Python Programming

What did you learn today ? A lingering question ?

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First steps in our 9 week journey

Deep dive into Python Programming

Deep dive into Raspberry Pi 3 B +

$$\left[\text{Raspberry Pi}\right] + \left[\text{python}\right] = \left[\infty\right] \text{Engineering applications}$$
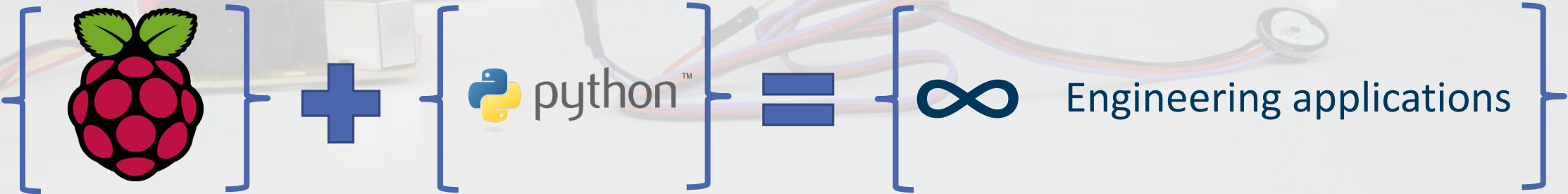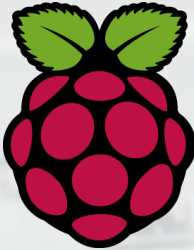
Ground Rules

Be Respectful
Listen to the instructors and your colleagues
Keep an Open Mind
Limit use of personal devices

Be Responsible
Arrive on time
Follow through with instructions
Help each other

Be a Communicator
Observe, Ask and Try
Let us know of emergencies
Use Slack wisely

Be a Problem Solver
Explore options
Make your own notes
Stay positive and have fun

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