



SCS2213 – Electronics & Physical Computing

Dr. Hiran Ekanayake

Lesson 1

People & Setup

- Course Coordinator/Lecturer: Dr. Hiran Ekanayake
- Teaching Assistants: Mr. Janitha Dissanayake & four others
- SCS2213-2L+1P Credits
- Duration: Nov. 18th – Mar. 3rd: (15 Weeks)
- Lectures on Mondays 1-3 PM (E401) and Practical/Tutorial Sessions on Wednesdays 10-12 AM & 1-3 PM (S104) + Fridays 1-3 PM
 - [Select your group available until 6 PM](#)
 - Bring your laptop with Arduino IDE installed
- Check the VLE course page for “[SCS2213 Electronics and Physical Computing](#)”

Course Outline

- Part 1 (Physical Computing)
 - Microcontroller basics, Arduino programming, IoT
- Part 2 (Analog & Digital Electronics)
 - Basic concepts (V, I, Ω , W), signals, theories, analysis, components, filters, tools, measuring equipment, circuit modeling, power supply, etc.

Assessment

- Final Written Paper – 70%
- In-Course Assessment – 30%
 - In-Class Assignments
 - Lab Sessions



Note 1