

Faculty of Science and Technology,
Savitribai Phule Pune University

Audit Course: Lego Kits

1. SENSORS & MOTORS (Part 1: Robot Instructions, Sensing and Doing)
2. SENSORS & MOTORS (Part 2: EV3 sensors)
3. PREVIEW OF ROBOT PROGRAMMING
4. SETTING UP YOUR HARDWARE AND SOFTWARE
5. BUILDING YOUR FIRST ROBOT
6. SOFTWARE INSTALLATION
7. CONNECTING THE ROBOT TO THE COMPUTER
8. FIRMWARE UPGRADE
9. EV3 BUTTONS
10. PROGRAM
11. OPENING & SAVING
12. SLEEPY GOOD NIGHT: A Program Using Display and Sound Blocks
13. DANCING ROBOTS! (
14. POTENTIAL PITFALLS
15. MORE DISPLAY (Part 1: Making Your Own Graphics)
16. MORE DISPLAY (Part 2: Working on Graphing Skills)
17. MORE DISPLAY (Part 3: Simple Animations)
18. MORE ABOUT THE SOFTWARE (Part 2: Using the Content Editor to
Create Assignments for your Class - Educational Software Only)
19. LOOP BLOCKS
20. SENSOR BASED LOOPS
21. ADVANCED MOVE BLOCKS
22. ULTRASONIC SENSOR
23. WAIT BLOCKS
24. SWITCH BLOCKS

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(Dr. Y. P. Nerkar)