**IIT MANDI’s**

**APPLIED COGNITIVE SCIENCE (ACS) LAB**

**LAB MANUAL**

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**Introduction**

Welcome to the ACS Lab! The Lab is located at O-14, 3rd Floor, Academic Building, Paddal Ground, IIT Mandi, H. P., India – 175001. The lab, only one of its kind at IIT Mandi, is equipped with 8 high-speed Window desktop computers (1 desktop + 7 All-in-One desktops). One of the desktops is a dual boot machine with Ubuntu and Windows 8 OS. In addition, the lab houses some equipment for HCI and EEG research: a 16-channel Emotiv headset, an oximeter, an Eye-Tracker, and a car-racing simulator (with foot pedals, gear box, and steering control). Researchers of ACS lab are engaged in both theoretical and applied research, which focuses on experimentation as well as cognitive modelling.

The lab keys are with the security guard located at the building’s entrance. The key can be checked out after making an entry in the register located with the guard. Furthermore, the key needs to be checked in with the guard once the lab work is over.

If you disconnected any cables, moved any furniture, and removed computer covers, then please reconnect the cables, put the furniture in its proper place, and place the computer covers back on the computers before leaving the lab. Please turn-off machines and the air conditioner at the time of leaving the lab.

**Do’s**

1. Read and understand how to carry out the experiment thoroughly before coming to the laboratory.
2. Please make an entry in the check-in/check-out register located inside the lab whenever you enter or leave the lab.
3. Any equipment that you have been issued from the lab needs to be entered in the equipment register. Any damages to the equipment is the responsibility of the person to whom the equipment is issued.
4. Please enter your lab study in the related study register with the amount paid to participants. This entry helps in lab management.
5. Report any fires or accidents in the lab to PI, Lab Manager, and Assistant Lab Manager.
6. Report any broken plugs, exposed electrical wires, or damages to the Lab promptly to the Manager and the Assistant Lab Manager.
7. Please turn-off machines and the air conditioner at the time of leaving the lab.
8. Keep the windows shut, especially when leaving the lab (monkeys may enter the lab from open windows).
9. Please treat fellow users working within the lab environment with appropriate level of care and respect.

**Don’ts**

1. Do not eat or drink in the laboratory.

2. Avoid stepping on electrical wires or damaging any furniture or computer-related equipment.

3. Do not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or any other equipment in the lab.

4. Do not remove anything from the lab without prior written permission from the PI or lab managers.

5. Do not touch, connect or disconnect any plug or cables (especially LAN cables) from computers.

6. Do not plug-in external devices without scanning them for computer viruses.

7. Do not touch any of the circuit boards and power sockets when a device is connected to them and switched on.

8. Do maintain an extra copy of all your important data files.

9. Do not make loud noises or misbehave in the lab.