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Class activity

Ethics Addendum: Wearable/BCI (or Genetic Toolkit) Campus Study

1. Protocol Approval & Roles

- **Faculty Sponsor:** A designated faculty member must review and approve all project protocols.
- **Institutional Approval:** All studies require approval through the campus IRB (or equivalent ethics board).
- **Safety/Medical Consultation:** If physiological monitoring, electrical stimulation, or genetic materials are involved, a safety officer or medical consultant must review the protocol in advance.
- **Student Roles:** Students may participate in device setup, data collection, and analysis under faculty supervision.

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2. Informed Consent

- **Plain-Language Notice:** Participants will receive a written and verbal explanation of study goals, procedures, risks, and expected benefits in accessible language.
- **Risks & Benefits:** Any potential discomfort, data risks, or minor physical effects (e.g., skin irritation from wearables) will be disclosed, along with likely benefits (e.g.,

contributing to learning, advancing research).

- **Withdrawal Option:** Participation is voluntary. Participants may withdraw at any time without penalty or loss of benefits.

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3. Scope & Prohibitions

- **No Self-Experimentation Without Oversight:** Students may not perform unsupervised experiments on themselves.

- **No Invasive Procedures:** The study excludes genetic modification of humans, surgical implants, or unapproved medical interventions.

- **Approved Devices Only:** Only devices and kits pre-approved by the faculty sponsor and safety review may be used.

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4. Data Handling

- **Minimum Necessary Data:** Collect only data relevant to study aims (e.g., heart rate, EEG signals, or survey responses).

- **Retention & Deletion:** Data will be stored securely for a fixed term (e.g., 12 months) and deleted thereafter.

- **Redaction & Anonymization:** Personal identifiers must be removed or replaced with codes.

- **Access:** Only authorized faculty and approved student researchers may access raw data.

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5. Incident & Withdrawal Process

- **Stop-Test Conditions:** Experiments will stop immediately if participants show distress, equipment malfunctions, or safety concerns arise.

- **Adverse Event Contacts:** Participants will be given contact information for the faculty sponsor and campus health/safety office.

- **Withdrawal Process:** Participants may request removal of their data at any point before anonymization or publication.