

# https://iriic.uiu.ac.bd/concerned-departments/brain-computer-interface-bci-research-lab/

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## Brain Computer Interface (BCI) Research Lab

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The Brain-Computer Interface Research Lab, integrated with the International Research & Innovation and Incubation Center (IRIIC), focuses on pioneering research in neural interfaces that enable direct communication between the brain and external devices. By leveraging interdisciplinary collaboration across neuroscience, artificial intelligence, and biomedical engineering, the lab aims to develop innovative solutions for neurorehabilitation, cognitive enhancement, and human-computer interaction. In partnership with IRIIC, the lab fosters global research collaborations, facilitates technology transfer, and supports startup incubation, accelerating the commercialization of cutting-edge BCI technologies. This initiative not only advances scientific knowledge but also drives societal impact by enhancing healthcare and augmenting human capabilities in the era of the Fourth Industrial Revolution. technologies developed patients supported daily microscope

### Pathologycam Testing

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### Data and Technology

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### Fully Integrated Testing

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## Five Orthopedic Facts

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### Neural Research

Virology Neural Engineering

### Medical Research

Immunology Eye Care

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Principal Scientist, Translational Biology quote

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PRINCIPAL SCIENTIST, TRANSLATIONAL BIOLOGY quote

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Principal Scientist, Translational Biology quote

## Clinical solutions

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### Solutions for neural problems

\*Electrical signals in the brain view more

### New technology to improve lives

\*Electrical signals in the brain view more

### Genomic data and bioinformatics

\*Electrical signals in the brain view more 01

### Significance

\*Integration system 02

### Solutions

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### Innovation

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### Behavior

\*Integration system 05

### Insights

\*Integration system

### Whats New

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