Call for Proposals

The Boston University College of Engineering is looking for biomedical industry partners to sponsor a group of students in their capstone senior design projects. During this project you will provide future biomedical industry professionals with real world, hands-on experience while building brand awareness and gaining valuable insight from energetic students in one of the top ten Biomedical Engineering degree programs in the country.

This project challenges students to integrate and apply the knowledge gained throughout their education. During the senior design project experience, students also put their societal engineering skills to use leveraging teamwork, communication, and professional ethics to achieve great results.

Projects

A good design project includes the following phases:
1.) Design: Identify needs, determine constraints, sketch and brainstorm
2.) Prototype: Create design through assembly of parts
3.) Test: Test design prototype to determine how well design meets goals

Projects are conducted by teams of two to five students, typically in areas such as biomedical instrumentation, biosensors, tissue engineering, biomechanics, neuroengineering, biological signal processing, biological modeling and simulation, clinical imaging, or global health.

Expectations

Students
During Fall Semester (September-December):
• Begin research in the second week of Fall semester (mid-September)
• Dedicate 8-10 hours per week to project work
• Meet weekly with group
During Spring Semester (January-April):
• Dedicate 10-15 hours per week to project work (on site, if possible)
• Meet weekly with group
• Complete progress reports, final report, and presentation

Industrial Advisor
• Attend 2 regular advising meeting per month with student group
• Review and approve student writing assignments before submission
• Grade student efforts each semester
• Will have access to BU facilities as related to project work (including fabrication, manufacturing, etc.)

How to Apply

To submit your project for consideration please submit a brief one paragraph description and required areas of knowledge here by August 1, 2019. You will have the opportunity to interview and choose individual students or pre-formed groups interested in your project. You can view last year’s proceedings here.

If you have any questions, please contact Professor Michael Smith at msmith@bu.edu.