

### **FACULTY MENTOR**

Bandaru, Prab

### **PROJECT TITLE**

Electrical characteristics, and quantum capacitance of two-dimensional materials

### **PROJECT DESCRIPTION**

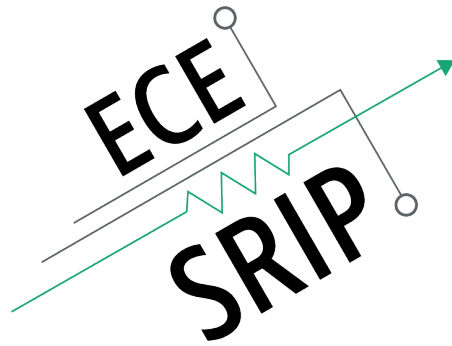
The students will investigate the electrical and thermal characteristics of two-dimensional materials, such as graphene for future electronics. Applications such as photovoltaics and energy storage will also be considered

### **INTERNS NEEDED**

1 MS

### **PREREQUISITES**

Very good familiarity with electrical circuits



### **FACULTY MENTOR**

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### **PROJECT TITLE**

Thermal characteristics of graphene, for device applications

### **PROJECT DESCRIPTION**

The students will investigate the thermal characteristics of two-dimensional materials, such as graphene for electronics. State of the art thermal conductivity measurement techniques will need to be deployed

### **INTERNS NEEDED**

2

### **PREREQUISITES**

Very good familiarity with electrical circuits