

# **1<sup>ST</sup> ONLINE WORKSHOP ON BASIC ELECTRONICS AND ROBOTICS: INTRODUCTION AND TRAINING (WBER-20)**

**Jointly organised by**

**Department of Physics  
Dr Shree Krishna Sinha Women's College Motihari  
&  
Department of Physics  
Ram Briksh Benipuri Mahila College Muzaffarpur**

**In association  
with**

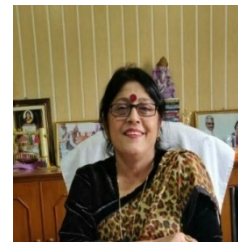
**SavitriTech Classes**



**Chief Patron  
Prof Hanuman Pd. Pandey  
Vice-Chancellor  
BRA Bihar University  
Muzaffarpur**



**Patron  
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Dr SKSW College  
Motihari**



**Patron  
Prof.(Dr.) Mamta Rani  
Principal  
RBBM College  
Muzaffarpur**



**Convenor**  
**Dr Manisha Bajpai,**  
Head, Department of Physics  
Dr. S K S W College  
Motihari



**Co-Convenor**  
**Dr C K Pandey**  
Assistant Professor  
Department of Physics  
SNS College Motihari



**Convenor**  
**Dr. Rakhee Malik,**  
Head, Department of  
Physics  
RBBM College  
Muzaffarpur



**Co-convenor**  
**Dr Apurb Kumar**  
Assistant Professor  
Department of Physics  
RBBM College  
Muzaffarpur

### **Aim of the workshop**

This workshop is for graduate physics students. It provides to design and implement such electronics system using a simple and fail-safe electronic circuit. These electronics-based mini project and course will encourage students to learn more about electronics circuits.

### **Workshop Outcome**

- Introduction to electricity and principles
- Semiconductor, its advantages (diode, transistors resistances etc.)
- Applications of electronics
- Circuit diagram understanding
- Testing measurements instruments
- Understanding IC sockets, cables and connectors & Diodes.

- Hands-on experience on embedded electronics development.

### **Day 1: 28<sup>th</sup> August 2020**

#### **Opening Session: 4:00 to 5:00 p.m.**

Sarastwati Vandana by college students

Opening Address: Dr Chachal Rani, Principal, Dr S K S W College Motihari

Inaugural Speech: Prof Mamta Rani, RBBM College Muzaffarpur

Moderator: Dr Rakhee Malik, Head, Department of Physics, RBBM College Muzaffarpur

#### **Introductory Session: 5:00 p.m. -6:00 p.m .**

Resource Person: Mr. Dhananjay Kumar & Mr. Abhay Kumar Savitri Tech Classes

### **Day 2: 29<sup>th</sup> August 2020**

#### **Technical Session I: 5:00 p.m. -7:00 p.m.**

Resource Person: Mr. Dhananjay Kumar & Mr. Abhay Kumar Savitri Tech Classes

Moderator: Dr Apurb Kumar, Asst. Prof., Department of Physics, RBBM College Muzaffarpur

### **Day 3: 30<sup>th</sup> August 2020**

Technical Session II: 5:00 p.m. -6:00 p.m.

Resource Person: Mr. Dhananjay Kumar & Mr. Abhay Kumar Savitri Tech Classes

Moderator: Dr Apurb Kumar, Asst. Prof., Department of Physics, RBBM College Muzaffarpur

**Closing Session: 6:00 p.m. -6:30 p.m.**

**Closing Address:** Dr Manisha Bajpai, Head, Department of Physics, Dr. S K S W College Motihari

**Vote of thanks:** Dr Rakhee Malik, Head, Department of Physics, RBBM College Muzaffarpur

### **Important Instructions**

#### **Registration Link**

<https://surveyheart.com/form/5f43aa5793d3093b3516443f>

Registration is limited for graduate students. Seats are restricted upto twenty five (25) only based on first come first basis. Workshop will be organised second time if more than 50 students are registered.

#### **Certificate of participation**

E- certificate will be issued to all the registered students.

#### **Contact Persons:**

1. Dr Manisha Bajpai, Head, Department of Physics,  
Dr. S K S W College Motihari, 8948741847.
2. Dr Rakhee Malik, Head, Department of Physics, RBBM  
College Muzaffarpur, 83838 2646.