

## PERMISSION LETTER

16.08.2022

From

Mrs. M. Rashmi  
Head, Dept. of Physics,  
St. Joseph's College of Arts and Science for Women,  
Hosur.

To

The Principal  
St. Joseph's College of Arts and Science for Women,  
Hosur.

Respected Madam,

Sub: Seeking permission to conduct the Value added course on Basic Circuit Designing -  
Reg.

I kindly request you to grant permission to conduct a Value added course on Basic Circuit Designing for I, II and III B. Sc., Physics students. The course may require a minimum 30 hours. The purpose of the course is to prepare students for self-employment in the field of Basic Circuit Designing. I kindly request you to support and permit us to bring this to reality.

Thanking you

*M. Rashmi*

Your's Sincerely,

Head and Assistant Professor  
Department of Physics  
St. Joseph's College of Arts and Science for Women  
SIPCOT, Hosur - 635 126.



*Dr. J. L. Kumar*  
PRINCIPAL  
ST. JOSEPH'S COLLEGE OF ARTS  
& SCIENCE FOR WOMEN  
Meekandapalli, Sipcot,  
HOSUR - 635 126, Krishnagiri Dist.

## About Us

Many technological advancements are rooted in circuit design. Understanding the basics of circuitry is essential for those looking to contribute to innovations in areas such as robotics, Internet of Things (IoT), and electronic devices.

It forms the basis for more complex electronic design and fosters a deeper understanding of the principles that govern electronic systems.



**St. Joseph's college of Arts and Science For Women, Hosur**

Department of Physics

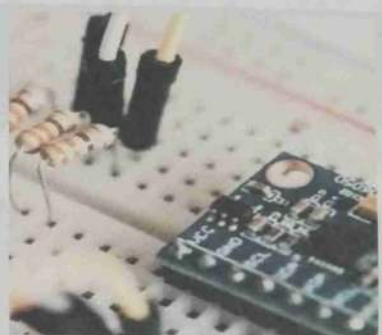
Certificate Course

In

Basic circuit Designing

Mode : Offline

Duration : 30 Hrs



### Benefits :

Building circuits provides hands-on experience with electronic components, including resistors, capacitors, transistors, and integrated circuits. Basic circuit designing serves as a stepping stone for more advanced studies in electronics and electrical engineering. For hobbyists, circuit designing is a rewarding and enjoyable activity. It allows them to create electronic gadgets.



**ST. JOSEPH'S COLLEGE OF ARTS AND SCIENCE FOR  
WOMEN, HOSUR**

**VALUE ADDED COURSE ON BASICS CIRCUIT DESIGNING**

UNIT	TOPIC	HOURS
I	<b>INTRODUCTION TO ELCTONICS:</b> Basics Electronics Introduction - Description Of Tools - Functions of Tools - Tools using in Circuit designing - Tools Working Operation.	6
II	<b>TYPES OF ELECTRONIC CIRCUIT :</b> Different types of Circuits - Analog & Digital Circuits - Connections of Circuit Design - Series Connection - Parallel Connection.	6
III	<b>BASICS OF CIRCUIT DESIGNING :</b> Power supply Designing - Driver Circuit Designing - How to make Connections in PCB board - How to use a Breadboard - Simple Projects Design.	6
IV	<b>APPLICATION OF ELCTRONIC CIRCUITS:</b> Types of sensors - Connections of sensor - Applications of circuit- How to choose drivers - Applications of LED - Advantages - Disadvantages.	6
V	<b>SAMPLE CIRCUITS:</b> Raw materials using for circuits - Different circuits making - Simple Projects Design - Practical Session.	6

*M. Rashmi*

**Signature of the HOD**

Head and Assistant Professor  
Department of Physics  
St. Joseph's College of Arts and Science for Women  
SIPCOT, Hosur - 635 126.

*P. H. Kumar*

**Signature of Principal**

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Machandapalli, Sipcot,  
Hosur - 635 126, Krishnagiri Dist.



## COMPANY PROFILE



# PRANAV SOLUTION

*Project & Training Institute*

**Head Office:**

No1, TNHB, Second Phase,  
Near Arun Hospital,  
KRISHNAGIRI-635001.

Contact no: 98659837041,

Email: pranavsolution2018@gmail.com





### **Company Overview:**

Pranav Solution which provides Training and Development based career guidance for ECE, EEE, CSE, IT, MECH, CIVIL, Arts & Science Students with Krishnagiri, Tamilnadu as its Head office which offering value added courses and projects in various disciplines. The unit was promoted by a group of professionals with handy experience, providing training in software and hardware with in-depth knowledge on the educational delivery system. The courses offered cover the most-wanted industry-demanding modules of electronics, electrical and computer technologies. It is designed to effectively address the learning curve of beginners, as well as professionals.

### **Quality Policy:**

All of us at Pranav Solution consider the following guiding principles as supreme.

1. Providing highest quality educational practices to all the participants.
2. Deliver the participants more than what has been assured of.
3. Assuring the best of the services and personalized attention every time and at all times.

### **Business Areas of Pranav Solution:**

1. **Training Department:** we are providing training on latest software and Hardware technologies for ECE, EEE, CSE, IT, MECH, CIVIL.
2. **Project Department:** we also offer academic level MINI and MAJOR projects for students for the above mentioned disciplines.
3. **Placement Activities:** we place students with our reputed client companies which depends on students talents.

### **Team strength:**

We have excellent bench strength with more than 15 employees working in our organisation and most of them are experienced faculties with 3-5 years of experience in their respective domains. We are providing placement guidance programs for each and every department. We are having direct tie-up with more than 10 MNC's. Most of the clients are from Chennai, Bangalore, Coimbatore and Hosur based companies.



VALUE ADDED PROGRAMS OFFERED BY PRANAV SOLUTION  
TO COLLEGES – A FEW:

- DON BOSCO Arts & Science College, Dharmapuri.
- Narasus Sarathi Institute Of Technology, Salem.
- PSA Arts & Science College, Dharmapuri.
- Sakthi Kailash Arts & College, Dharmapuri and Salem.
- Tagore Institute of Engg & Tech, Attur
- Jayalakshmi Institute of Technology, Thoppur.
- Sir Vishveswaraya Institute of Technology, Madanapalli, Andhra Pradesh.
- Swetha Institute of Technology, Tirupathi, Andhra Pradesh.
- Sri Venkateswara Polytechnic College, Adukkamparai, Vellore.
- Al Ameen Polytechnic College, Erode.
- AVS Arts & College, Dharmapuri and Salem.
- Kuppam Engineering College, Kuppam, Andhra Pradesh.
- PSV Polytechnic College, Krishnagiri.
- St. Joseph Polytechnic College, Krishnagiri.

