

REGISTRATION FORM

3- Day National Level SDP on "PCB Design and Fabrication Using Innovative Methods For Industrial Products"

Name :

Department:

Institution :.....

Mobile:

E-mail:

**Signature of the
Applicant**

**Signature of HOD
with seal**

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Professor & HOD ECE

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Associate Professor

CO-ORDINATORS

Mr. R Nataraja	Associate Professor
Mrs. Seema S	Assistant Professor
Mr. Phanindar Ravi P	Assistant Professor
Mrs. Bhuvanewari N	Assistant Professor
Mrs. Sheetal Bagali	Assistant Professor



3-Day National Level SDP

on

"PCB Design and Fabrication Using Innovative Methods For Industrial Products"



8th to 10th November 2022

**Organized by Dept. of ECE, Sir MVIT
In Association with Indian Tech-Keys**



SPONSORED BY

Sri Krishnadevaraya Educational Trust

**SIR M. VISVESVARAYA INSTITUTE OF
TECHNOLOGY**

(An ISO 9001:2008 Certified Institution)
International Airport Road, Krishnadevaraya Nagar,
Hunasamaranahalli, Bengaluru-562 157
Website: www.sirmvit.edu

ABOUT THE INSTITUTE

Sir M. Visvesvaraya Institute of Technology (Sir MVIT) is an Institute of repute in the state of Karnataka founded by Sri Krishnadevaraya Educational Trust (Sri KET) in 1986. The institute offers eleven B.E. degree programs in Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engg., Electronics & Telecommunication, Information Science, Bio Technology, AI & ML and IOT & Cyber Security and five Masters Programs. The Institute is affiliated to Visvesvaraya Technological University and approved by All India Council for Technical Education, New Delhi and is accredited by National Board of Accreditation, New Delhi. Sir MVIT is an ISO 9001:2008 Certified Institution. Sir MVIT is NAAC accredited. All the departments are approved as a recognized R & D centre by Visvesvaraya Technological University (VTU) to pursue Ph.D and M.Sc (Engg.) by Research .

ABOUT THE DEPARTMENT

The Department of ECE offers one UG Programme and one PG programme. The Department aims at transforming the students into young engineers with sound technical leadership skills, knowledge and decision making ability. Department encourages students to actively participate in co-curricular and extra curricular activities for their overall development. The Department has well qualified, experienced and dedicated faculty members who are providing excellent teaching & learning environment. The department has well equipped laboratory facilities and is recognized as R&D centre by VTU. Furthermore Texas Instruments sponsored innovative lab is established. Department excels in academics by securing university ranks in UG & PG Programs.

ABOUT THE PROGRAM

Student Development Program on “PCB Design and Fabrication using innovative methods for Industrial Products“ is organized by department of Electronics and Communication Engineering. This is to create a platform for students to gain knowledge on current trends in industry. The session is designed to provide students with all the necessary tools to increase student learning and development. It will provide them with resources and activities to bridge the gaps in their learning i.e. bridging the gap between theory and concepts. Due to huge demand for Operations and Quantitative Skills in the market this workshop will develop the requisite skill level to be able to perform into the professional world.

OBJECTIVES

The objective of this program is to introduce printed circuit board designing and fabrication where participants will get exposure to DesignSpark PCB designing industrial tool (open source) and different aspects of printed circuit board designing. Prior to PCB designing, participants will rig up the circuit on breadboard for better understating of circuit functionality. Breadboard wiring will help to identify few complications in wiring which could be overcome using PCB.

COURSE CONTENTS

- Power of Design Spark PCB, Schematic Capture
- PCB Layout Design
- Fabrication of PCB boards
- Testing and trouble shooting
- Integration of Boards for Mini Project Implementation

COURSE OUTCOMES

- Concept to Product development skill.
- Exposure to Analog and Digital ICs.
- Schematics capture, PCB foot print design skill using DesignSpark (Open Source) software.
- Unit testing, Quality Check and Circuit debugging skill development.
- Clear understating of PCB fabrication process.
- Exposure to innovative product development.
- Apply techniques, skills and modern engineering tools necessary for engineering practice.

CERTIFICATE

A Certificate of participation will be issued on completion of the program

REGISTRATION DETAILS

REGISTRATION FEE:-

Rs : 400/-

MODE OF PAYMENT:

GOOGLE PAY to Sheetal B: +91-9986853709

FOR REGISTRATION CONTACT :

Mrs. Sheetal B

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