NITK-Centre for Research in Electric Vehicle and Photovoltaic Systems

Organizes an

Online Skill Development Program

on

PCB Design using Open Source Tools

22.05.2023 – 27.05.2023

National Institute of Technology Karnataka

Surathkal, Mangalore.

About NITK

NITK Surathkal has established itself as one of the top technological institutions in India & is declared as an Institute of National Importance under the NIT Act 2007. NITK offers 9 UG, 26 PG programs and PhD programs. The institute has a long tradition of research for several decades in both traditional and modern areas of engineering and science. In the recent India Ranking-2022 announced by the National Institutional Ranking Framework (NIRF), NITK secured 10th position in the Engineering Discipline and 27th position in the Overall category.

About Center for Research in EV and PV systems

The Center is established with the vision of enabling NITK as an innovation hub in the area of EV and PV systems by imparting multidisciplinary and translational research for sustainable development. The activities being carried out by this center include R & D projects, skill development program for industry, internships, faculty development programs, seminars and workshops. The center is also intended to create a network of nearby institutes for capacity building and mentoring support.

About the course

Printed Circuit Boards (PCBs) are employed in industrial electronics, domestic electronics, robotics, embedded systems and in almost all the electronic gadgets. This short-term course is aimed to provide complete knowledge on designing of PCBs using open source tools. At the end of this course, the participants will be able to design PCBs of their own for their projects. The contents of this course are:

- Basics of PCB design
- Introduction to PCB design software
- Creation of symbols and schematic for PCB
- Component foot print design
- Creation of board layout for PCB
- Component orientation and placement
- Routing procedures, Two-layer PCB design
- Generation of Gerber files.

Other Details

- Last date of registration: 20.05.2023
- Confirmation by E-mail: 21.05.2023
- Course Timings: 6 p.m. – 8 p.m.
- Online Platform: Google meet / MS Teams
- E-Certificate will be provided to the participants.
- **Registration Fee: Rs. 2000 (inclusive of 18% GST)**
- Account details for payment:
  Account number: **37772503911**
  IFSC code: **SBIN0002273**
  MICR number: **575002013**
  Account holder name**: Director, NITK**
  Bank name: **State Bank of India**
  Branch: **Surathkal, NITK Campus**

  Scan QR for payment
- After payment of fees, registration shall be done in the following google link:
  https://forms.gle/ebmvCS5k3uPSJPGA6
- Limited registrations are available and selection will be on **first cum first serve basis**.

Resource Persons

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