



**CHITKARA**  
UNIVERSITY

### Key Highlights of the FDP:

- The course is designed for enthusiastic learners in the domain of electronics circuit designing.
- It covers the key essentials of PCB designing skills.
- Learners will get to know about the technical details of PCB design from scratch to Gerber generation.
- The course designed on the top-most industrial grade circuit design tool i.e. Altium.
- After doing this course each participant would be able to design the circuit for their project work and give the shape to their existing prototypes.

**1<sup>st</sup> – 5<sup>th</sup>**  
**September 2020**

**10:30 pm to 12:30 pm**

**Platform: Google Meet**

**Last Date for Application:**  
**30<sup>th</sup> August 2020**

#### Schedule of the FDP:

**Day 1:** Selecting the appropriate components based on their usage, package, and availability in the market.

**Day 2:** Creating both PCB and Schematic footprints of the selected components.

**Day 3:** Designing a circuit on the Schematic level and adding information to the Schematic.

**Day 4:** Selection of the PCB and PCB rules on the basis of circuit.

**Day 5:** Component Placement and Routing on the PCB and Generating Fabrication outputs or Manufacturing files



**Hitesh Gupta**  
PCB Design Engineer  
Stryker  
Gurugram



**Amit Kumar**  
Assistant Professor  
DECE  
Chitkara University | Punjab



Faculty Development  
Program on

**0 TO GERBER IN  
TEN HOURS:  
A HANDS  
ON EXPERIENCE**

### Registration Fees:

**Rs 400/- for Research Scholar**

**Rs 500/- for Faculty**

### Payment Link:

<https://paym.chitkara.edu.in/zero-to-gerber/>

**E-certificates will be issued to participants.**

**Payment Mode: Online**

Organized By:  
**Department of Electronics and  
Communication Engineering  
Chitkara University, Punjab**

### **About Chitkara University:**

Chitkara University is a dream envisioned and realised by Dr. Ashok K Chitkara and Dr. Madhu Chitkara — two academicians dedicated to the mission of spreading the light of education. Chitkara University and its constituent institutions are duly recognized by University Grants Commission (UGC) and other apex bodies, and have memberships and accreditations of various national and international bodies and associations. Chitkara University is renowned as one of the best private universities in the North region because of its vision to achieve academic excellence through interdisciplinary applied research and to expand realms of knowledge through innovation. It also provides industry ready rich curriculum, extra-curricular activities, International collaborations, Campus placement and Research and Development opportunities to its students and faculty members.

### **About Department of Electronics and Communication Engineering (DECE)**

Department of Electronics and Communication Engineering offers two programs i.e. B.E. in Electronics and Communication Engineering and B.E. in Electronics and Computer Engineering. Electronics and Communication Engineering prepares students for the core electronics industry by providing them specialized skill development learning in the domain of VLSI design, embedded system, networking, and wireless communication. While Electronics and Computer Engineering is an amalgamation of electronics and computer engineering which prepares students for the interdisciplinary demand of the industries. The University Placement cell in association with the department of ECE persistently works to make our potential students more employable by improving them with specialized skill sets in the domain of Internet of Things, VLSI design, Computer networking, Core programming stack, and Data analytics. With these specializations, students are learning about IoT design considerations, device connectivity, cloud computing-based applications, Semiconductor Chip design, ASIC design, FPGA based systems design, RF circuit design, Network essentials, programming, and data analytics in engineering.

#### **Patron**

**Dr. Ashok K Chitkara**

Chancellor | Chitkara University

**Dr. Madhu Chitkara**

Pro-Chancellor | Chitkara University

**Dr. Archana Mantri**

Vice-Chancellor | Chitkara University

#### **Advisors**

**Dr. S C Sharma**

Registrar | Chitkara University

**Dr. Rajnish Sharma**

Dean | Office of Dean Research

**Dr. Shivani Malhotra**

Dean | DECE

**Dr. Harsimranjit Kaur**

PI | DECE

#### **Convener**

**Mr. Amit Kumar**

Assistant Professor | DECE

Amit.pandey@chitkara.edu.in | 8054579080

#### **Co-ordinator**

#### **Team Events**

**Mr. Amit Kumar**

**Dr. Meenu Garg**

**Dr. Swati Singh**

Events.ece@chitkara.edu.in

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