

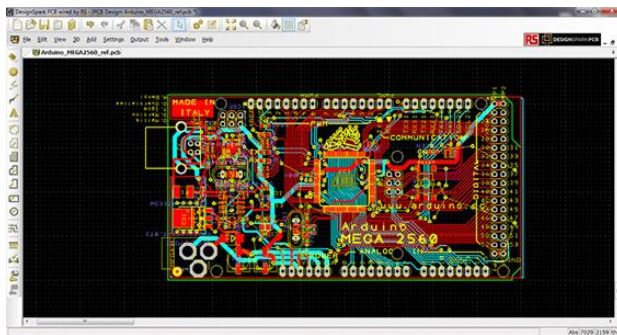


Two-day Faculty Development Program on “Electronic Design” with DesignSpark PCB & DesignSpark Mechanical

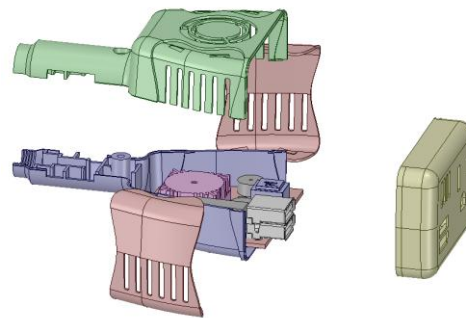
(Jan 8-9, Chitkara University Baddi)

Please [CLICK HERE](#) to directly go to the registration page OR please read on to know the complete details and agenda of the FDP

In association with IEEE & IETE technical chapter Chitkara University announces RS sponsored **Two-Day Faculty Development Program (FDP)** on “Electronic Design” with DesignSpark PCB & DesignSpark Mechanical.



PCB Design in [DesignSpark PCB](#)



Product Design in [DesignSpark Mechanical](#)

Abstract & Motivation

India is one of the largest consumers of electronic hardware with a projection of demand going up to USD400 billion by 2020 but our domestic production is estimated at USD104 billion by 2020, creating a gap of USD 296 billion in demand and production. (Source: <http://deity.gov.in/esdm>). This creates a unique opportunity for companies in **ESDM (Electronic System Design & Manufacturing)** in India.

We will need electronic engineers who can design and develop electronic hardware in India, build interesting applications & innovating hardware products.

In order to enable electronics engineers to develop hardware based electronic design with ease, RS offers easy to use, easy to learn, professional electronic design software – **DesignSpark PCB & DesignSpark Mechanical** for

absolutely FREE. Using these design software, electronic designers can quickly build their innovative electronic product designs in no time, without any hassle!!

Aim of this Faculty Development Program (FDP) is to train faculty on essentials of electronic design using RS design software and equip them with teaching material so that they can run a course on electronic design for their students.

Complete Agenda of the FDP is given at the end.

Date & Venue

Dates – Jan 8-9, 2015

Venue – Chitkara University, Baddi, H.P. (25kms from Chandigarh)

Free of cost Bus Facility will be available from Chandigarh to-&-fro Chitkara University.

Registration

- The FDP is open to faculty of engineering institution & industry professionals working in the area of electronic design.
- There is no registration fee for attending the FDP, but prior registration by clicking on the link below is mandatory.
- Please [CLICK HERE](#) to complete your registration before Jan 5.
- Your participation will be confirmed by Jan 6 through email.
- All participants will be awarded completion certificate at the end of FDP.
- Arrangement for Lunch & refreshment will be made free of cost on both days.
- Free of cost Bus Facility will be available from Chandigarh to-&-fro Chitkara University. Pick-up points will be communicated to confirmed participants by Jan 6.

Please carry your own Laptops (if possible):-

It is advisable to carry your own laptops and do all the exercises of the FDP on your laptops. Carrying a laptop is not mandatory; we will provide you with the systems.

Contacts:-

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- Prof. Lipika Gupta (HOD, ECE Chitkara University) - lipika.gupta@chitkarauniversity.edu.in

Complete Agenda of the FDP

- Introduction to PCB Design & Manufacturing (complete cycle)
- PCB Structure
- What is Schematic Design & PCB Design, demonstrating PCB layout
- PCB Design Softwares

- Getting Familiarized with DesignSpark PCB (user interface)
- Key feature of DesignSpark PCB (demonstration)
- Hands-on session on simulation interface, generating manufacturing files, carrying out a schematic & PCB layout design, library creation.
- Hands-on on some of the advance features of DesignSpark PCB (3d View, 3d export, design calculators, manufacturing plots, online library etc.)
- Introduction to Direct Modelling and its relevance in electronic design process.
- Introduction to DesignSpark Mechanical User interface.
- DesignSpark Mechanical Tools (Pull/Move/Combine/Fill)
- Hands-on on designing a 3D enclosure for an electronic design imported from DSPCB.

DesignSpark PCB

Free of cost, Professional & Powerful schematic & layout design software from RS. Used by over 200,000 engineers worldwide. [KNOW MORE](#)

DesignSpark Mechanical

Free of cost, professional 3D design software based on Direct Modelling. Especially designed for electronic designers for making conceptual prodcut design with ease. [KNOW MORE](#)

About RS Components

RS Components is the world's largest distributor of electronics and maintenance products serving 1.8 million customers worldwide. Through operations in 32 countries and 17 warehouses, the Group distributes 550,000 products ranging from semiconductors and optoelectronics to power tools and protective clothing. Visit www.rsindia.com

About Chitkara University

Chitkara University is the best university in the state of Punjab in India, recognized by government of India. The University offers multi-disciplinary programs, all of which are designed to be industry-relevant. As a result of this student-centric approach, Chitkara University is renowned as one of the best private universities in the North India region. Visit www.chitkrara.edu.in