

Post Graduate Program in Power Converter Design and Analysis

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-----Start-----

Hi, thanks for showing interest in our Post Graduate Program in Power Converter Design and Analysis Program. It was great talking to you. Here are the details regarding the course.

Duration of the course

Part time: 24 months

Full time: 12 months

In this program, you will learn the below course

1. Simulink for Mechanical & Electrical Engineers
2. Simulation and Design of power converters using Matlab and Simulink
3. Advanced PCB Design using Altium
4. AC-DC Rectifiers, Harmonics and Related Standards
5. Fundamentals of DC-DC Converter
6. Design Concepts of Power Electronic Converters for Industries

Projects

1. Preparation of Converter Design report
2. Design an interleaving DC/DC converter system for a data center application
3. Design and development of DC/AC H-bridge inverters for microgrid applications
4. Create a Project Workspace for MIC33030
5. Create a project workspace for Arduino Mini
6. Design and Simulation of Three-phase Uncontrolled and Controlled Rectifier Circuits for the Given Design Parameters
7. Design and Simulation of a Closed Loop Single-phase High-power Factor Rectifiers
8. Design of DC-DC SEPIC Converter
9. Design of MPPT Controller
10. Simulation of an All-Terrain Vehicle
11. Loss Calculation of a DC/DC Converter using MATLAB
12. Modeling of 3 Phase Inverter for Electric Vehicle Application

Softwares

1. MATLAB
2. Altium Designer
3. LT Spice
4. Simulink

Must Watch

<https://youtu.be/E0clpeAR78s>

Demo videos

1. <https://www.youtube.com/watch?v=2c7tjps1ocM>

2. <https://www.youtube.com/watch?v=E0clpeAR78s>
3. <https://www.youtube.com/watch?v=dbVDehm6gxA>
4. <https://www.youtube.com/watch?v=k8tTZan2kuA>
5. <https://www.youtube.com/watch?v=UrqOIPwTsws>
6. <https://www.youtube.com/watch?v=9iGhO82ufrU&t=20s>
7. <https://www.youtube.com/watch?v=ozJBJTV9ubY>

Description of course content

<https://skill-lync.com/electrical-engineering-courses/masters-power-converter>

Success stories

Check out the Placements of our customers at [Skill Lync Success Stories.pdf](#) and also hear what they say about our courses at <http://bit.ly/skill-lync-google-reviews>. Visit the Project Portfolios of students placed in reputed companies after taking Skill-Lync courses-

[Sarthak's skill-lync Profile : Skill-Lync](#)

[alagu's skill-lync Profile : Skill-Lync](#)

[Shubham's skill-lync Profile : Skill-Lync](#)

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For more information, visit www.skill-lync.com

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