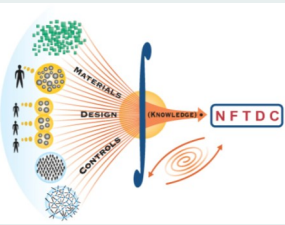


Course Certification and Training by NFTDC on Power Electronics



Fundamentals of Power Electronics

Dr. Praveen Kumar

DESHYA
Technologies Pvt Ltd

To register please go to the following link: <http://117.239.178.82/account/>

Module	Detail
1	Introduction to power electronics
2	Application of power electronics
3	Devices used in power electronics
4	Single phase half wave uncontrolled rectifier
5	Single phase full wave uncontrolled rectifier
6	Three phase uncontrolled rectifiers
7	Controlled rectifiers
8	Buck converters
9	Boost and buck boost converters
10	Multiquadrant converters I
11	Multiquadrant converters II
12	Single phase inverters
13	Three phase inverters
14	Special topics on inverters

Course format

Reading Material	eBook with 2D/3D Animation
Practice tools	Virtual Labs and Projects
Assessment tool	Proctored online exam
Video Lectures	With audio

Other Info

Interactive session	Monthly webinar
Content Availability	On cloud 24/7
Course Duration	12 Weeks
Credit Equivalent	3

Preamble: This course is ideal for 3rd year and 4th year engineering students and is equivalent to 3 credit. Furthermore, this course gives a comprehensive overview of the Power Electronics and is apt for working professional who wish to upgrade their skills.

Fee - for students (INR)	Fee - for Industry Professions (INR)
6,000/- (incl. taxes)	25,000/- (incl. taxes)

Certifying Agency - NFTDC, Hyderabad

NFTDC is an autonomous and self financing R & D institution under the aegis of Ministry of Mines, dedicated to the development of advanced materials, innovative processes on the one hand and mechanical design, analysis, electronics, instrumentation and control leading to component and systems development & integration on the other. NFTDC is a unique Technology Centre, in that it is a multi disciplinary knowledge domain based institution which enables the centre to undertake complex technology development endeavors as interdisciplinary projects involving both knowledge creation (scientific know-why) and knowledge integration (technical knowhow). NFTDC's uniqueness also stems from its three genetic characteristics, namely (i) self financing nature, (ii) its multi disciplinary all executive Human resource and (iii) R & D policy of applied R & D as contract / sponsored research oriented to needs of user agencies.

Deshya technologies Pvt Ltd, incubated at IIT Guwahati is the technical partner of NFTDC. **Deshya** is a single-source provider for e-Learning environment in Electrical Engineering education. Its e-Learning environment for the Electrical Engineering Education simplifies complex topics and makes learning fun.

The program is focused on electrical engineering students and teachers to enhance their theoretical and practical knowledge which is required in the following industry: **Electrical motors, Power electronics, Electric vehicle manufacturers**. These courses will be conducted by Deshya Technologies Pvt Ltd and one week industrial **training will be given at NFTDC, Hyderabad**. Furthermore these courses are ideal for **3rd year and 4th year engineering students** and is equivalent to **3 credit** and is apt for working professional who wish to upgrade their skills

Contact Us

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