

# Certification cum Industrial Training by NFTDC



**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 a single-source provider for e-Learning environment in Electrical Engineering education. We enjoy special trade repute for conducting customized training programs, webinars and refresher courses. Our e-Learning environment for the Electrical Engineering Education simplifies complex topics and makes learning fun.

## What is a certification program?

The certification program is about delivering industry relevant knowledge and skill to engineers of tomorrow. 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

## How the certification Program will be conducted

- Courses will be conducted by Deshya Technologies Pvt Ltd, a startup from IIT Guwahati.
- The courses are on cloud and are available 24/7 and you do not need to travel anywhere to do the certification.
- There will be live webinar sessions each week by very experienced professionals from industry and academia.
- Top performers will be selected (based on details performance analysis such as, active participation, final scores, etc.) for industrial training at NFTDC, Hyderabad.
- [In the training week, morning lectures for 1.5 hrs/day for 5 days \(0900 – 1030 hrs\) followed by practical work from 1100 – 1800 hrs at the NFTDC.](#)

## About certificate

After registering and paying the fees, there are three options:

- Course Fee + No exam = Certificate of participation
- Course Fee + Final exam = Certificate of completion
- Course Fee + Final exam + Industry training = Certificate of completion + [Certificate of training](#)

## Who is Certifying?

- Certification will be given by Nonferrous Materials Technology Centre (NFTDC) which is an autonomous institution established under the aegis of Ministry of Mines, Government of India.

## What will you achieve?

- The certification program will give you an in-depth knowledge of the area of your choice.
- The participants from each course will be eligible for a week long hands on training program at NFTDC Hyderabad.

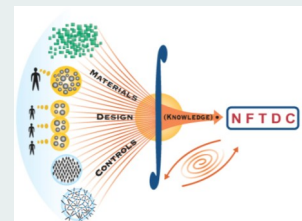
## Course + Training Fee

(Excl. transportation, Food, accommodation)

- [6000 per course \(incl. 18% GST\)](#)

## Start Date

- [Registration opens from 1st August— deadline till 30th August, 2017](#)
- Course starts from 1st September, 2017
- Internship slots will be in the months of October and December
- Selected candidates will be intimated about internship dates.



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## Available courses

Course Name	Description
Electrical Machine I	Fundamentals of electrical and magnetic circuits. Principles of electromechanical energy conversion in singly and doubly excited system. Equivalent circuit derivation of electrical machines.
Electrical Machine II	Working principles of electrical machines. Fundamentals of induction machine and its speed control. Fundamentals of Synchronous Machines.
Power Electronics I	Introduction to power electronics and its application of power electronics. Devices used in power electronics and single phase half wave uncontrolled rectifier.
Power Electronics II	Buck, Boost and buck-boost converters, Multi quadrant converters, single phase and three phase inverters, PWM techniques.
Electric Vehicle Technology	EVs and their need, dynamic model of vehicles, power plant requirements for vehicles, mechanical systems used in EVs and HEVs, EV and HEV configurations, electrical machines, control system and energy storage for EVs and HEVs

## Course format

Reading Material	eBook with 2D/3D Animation
Practice tools	eTools/Virtual Labs /Projects
Assessment tool	eQuiz/Projects
Supporting tool	Interactive animation
Video Lectures	With audio

## Other Info

Examination	Online
Live session	Weekly
Platform	On cloud, works on any OS
Time required	4-5 hrs a week
Content availability	24/7

## Experts Industry/Academia

Name	Description	Organization
Mr S Govindarajan	Formerly GM, Advanced Engg Group, Tata Motors, Pune and presently Visting Technologist, NFTDC	NFTDC
Mr A R Prabhu	Formerly GM, BHEL, Corporate R & D, Hyderabad and presently, Project Director (Electronics, Instrumentation and Controls)	NFTDC
Dr K Balasubramanian	Distinguished Scientist and Director, NFTDC	NFTDC
Dr Praveen Kumar	10 years experience in German automobile industry, presently working as associate prof., IIT Guwahati	IIT Guwahati

## Cost

Total Cost (INR) (Excl. transportation, Food, accommodation)
6000 per course (incl. 18% GST)

## Accommodation

Accommodation charges at NFTDC, Hyderabad
Please contact at <a href="tel:+91-73821-13804">+91-73821-13804</a>

## How to register online

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

## Contact Us

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