

प्रगत संगणन विकास केंद्र

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

भारत सरकार, इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय का आर एवं डी संगठन

R&D Organization of the Ministry of Electronics and Information Technology, Government of India

सीडीएक
CDAC

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Joint report on ToT of HSRPEC (SOPC Based Power Electronic Controller) developed by CDAC, Trivandrum to National Institute of Technology, Puducherry

The following activities were carried out during the ToT (Transfer of Technology) of National Institute of Technology, Puducherry

Date	Activity
24/04/2019	<ol style="list-style-type: none"> General Presentation on HSRPEC controllers and design flow Familiarization of HSRPEC controller and Peripheral Interface card Handed over the user manuals of HSRPEC and Power electronic IPs developed by CDAC to NITPY Given a hands-on training in creating a custom processor on HSRPEC with a "Hello world program" and same was executed on the HSRPEC
25/04/2019	<p>Given the following hands-on training</p> <ol style="list-style-type: none"> Interfacing of Power electronic IPs Generation of ramp signal from HSRPEC Giving external analog input and taking analog output from HSRPEC. Configuring PWMs and other IPs
26/04/2019	<p>Given the software source codes of AC Drive (V/F control) to NITPY.</p> <p>Given hands on experience in BLDC motor.</p> <ol style="list-style-type: none"> Software development for BLDC Motor drives 48W. Given the software source codes of BLDC Motor to NITPY. <p>Given hands on training in</p> <ol style="list-style-type: none"> Flash programming in HSRPEC (Both hardware configuration and software) <p>Handed over the HSRPEC control card and Peripheral Card (2 nos.)</p>

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The following faculties from NITPY attended the training:

1. S.Senthamizh Selvan, Research Scholar, Dept.of Electrical and Electronics Engineering, NITPY.
2. S. Raja , Research Scholar, Dept.of Electrical and Electronics Engineering, NITPY.
3. Santhoshkumar.S, PG Scholar, Dept.of Electrical and Electronics Engineering, NITPY.
4. Femy Anna.N.A, PG Scholar, Dept.of Electrical and Electronics Engineering, NITPY.
5. Mandava Manasa, PG Scholar, Dept.of Electrical and Electronics Engineering, NITPY.
6. S.J Sadheesh Kumar , Technical Assistant, Dept.of Electrical and Electronics Engineering, NITPY.

*Sree
26/11/19*

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