



NARULA INSTITUTE OF TECHNOLOGY

NARULA INSTITUTE OF TECHNOLOGY

81, Nilgunj Road, Agarpara, Kolkata-700109

REPORT ON SEMINAR / CONFERENCE / WORKSHOP

1. Name of the Participant: ARKENDU MITRA
(in block letter)
2. Department: Electrical Engg. 3. Designation Assistant Professor
4. Category : Faculty TA Other Staff
5. Sponsorship : NIT
(TE&IP) Self
6. Title of the Seminar O & M of Power & Distribution Transformers
7. Seminar Organized by National Power Training Institute (NPTI), Bangalore
8. Duration 31/12/2012 to 04/01/2013 9. Total Participant 05
10. Topics Discussed
1. Construction, OLTC, Parallel operation.
 2. Loading & Short-circuit Test.
 3. Transformer Protection
 4. Type Test.
 5. Transformer Neutral Earthing.
11. Name of the speakers (with Contact Nos. , if possible)
1. G.A. Narayana Swami
 2. Sh. M.L. Seshadri
 3. K.N. Srinivasan
 4. Sh. Dr. Chennakesava
 5. Sh. Shivalinga Gowda

12. Name of Other Participating Institutes:

1. Indian Space Research organization (ISRO).
- 2.
- 3.
- 4.
- 5.

13. Brief Report on the Deliberation of the Seminar (To be attached as Annexure-I):

14. Presentation given at NIT on _____

15. Presentation Attended by : Faculty Students

Date : 14/01/13

Annexure II

Signature of the Participant

Comments By HOD (with special emphasis on how NIT has been benefited):

Most of our students get employment in electrical utilities and electrical project construction companies. Knowledge of Power and Distribution transformers are extremely important. This course will help in dissemination of knowledge gathered by faculty member to EE students.



Signature of HOD

Signature of Principal

Signature of Director

Post- Training / Seminer Report

Name of the Participant: ARKENDU MITRA **Designation:** Assistant Professor
(in block letter)

Department: Electrical Engg.

Training Type: Short-term Course (vestibule/ workshop/conference/seminer)

Venue: National Power Training Institute (NPTI), Bangalore

Subject of Training: O & M of Power & Distribution Transformers.

Names of Trainer / Speaker: G. A. Narayana Swami, Sh. M. L. Seshadri

Duration (No of hours/days) 05 days from 09:45 AM to 05:30 PM

Conducted by National Power Training Institute (NPTI), Bangalore

Sponsorship Exists: /N, if yes, then specifying the name of Sponsoring authority TESIP

Report (in brief) on Training: Different topics has been discussed on "O & M of Power & Distribution Transformers" and also there was one-day industrial visit at KPTCL and KAVIKA. (Refer Annexure - I)

Self-Evaluation (Level of Knowledge Acquisition): Enhancement of knowledge regarding the practical & theoretical areas on the topic.

Arkendu Mitra
14/01/13

Signature of Employee with Date

Approved by-

Director, NIT

ANNEXURE – I

A five-day workshop on “O&M of Power & Distribution Transformers” held from 31-12-2012 to 04-01-2013 at National Power Training Institute (NPTI), Bangalore, was scheduled from 09:45AM to 05:30PM and the different topics covered by the various industrialists are as follows

Topic	Covered by
Construction features, OLTC, Parallel Operation of Power Transformers	G.A. Narayana swamy
Loading and Short Circuit Testing of Transformers	Sh.M.L. Seshadri
Protection of Transformers	Sh.M.L. Seshadri
Diagnostic Testing & Condition Monitoring of Transformers	Sh.Dr. Chennakesava
Type Testing of Transformers	K.N. Srinivasan
Importance of Transformer Neutral Earthing	Sh.T.R. Sathyanarayana
Condition Monitoring of Transformer Oil & Dissolved Gas Analysis	Sh. Shivalinga Gowda

Besides the topics mentioned above, there was a technical visit also in between the entire workshop. The first visit was held at a sub-station of KPTCL and the second one at a transformer manufacturing unit named Karnataka Vidyut Karkhane Limited (KAVIKA), an ISO 9001-2008 certified company.

The workshop was very helpful to enhance the knowledge regarding the practical areas. Also some industrial calculations may be required time-to-time for different projects of UG & PG students, whenever necessary. This will also help to guide UG students and undergoing PG students that how to deal with the equipment actually in field area.