

DEPARTMENT OF ELECTRICAL ENGINEERING

SETI, Panhala.

WORKSHOP REPORT

Title of Workshop: Transformer Design & Testing

Duration: 1st August – 2nd August, 2016

Resource Person: Mr. A. C. Teke

(Contronics Transformer Manufacturer, M. I. D. C. Kupwad, Sangli.)

Co-Resource Person: Prof. Y. R. Naik & Prof. P. B. Gurav

(Electrical Engineering Department, SETI, Panhala.)

HOD: Prof. P. P. Kulkarni.

Coordinators: Prof. A. M. Bhandare

Workshop Details:

The Department of Electrical Engineering organised two days Student Development Programme on “**Transformer Design & Testing**” on 1st August – 2nd August, 2016 at Sanjeevan Engineering and Technology Institute, Panhala. The chief guest and resource person for the workshop was Prof. Mr. A. C. Teke & Co-Resource Persons was Prof. Y. R. Naik & Prof. P. B. Gurav.



For this workshop around 91 students were present from TE Electrical. This event was inaugurated by Prof. P. P. Kulkarni HOD Electrical. Resource person Mr. A. C. Teke, Co-Resource person Prof. Y. R. Naik & Prof. P. B. Gurav delivered the session Transformer Design & Testing. This workshop will be useful for our students for their research work and carrier development. This seminar was coordinated by Prof. A. M. Bhandare.

- i) **Basic Theory on Transformer:** All the theory part regarding Transformer explained by Prof. P. B. Gurav. These contains was Transformer basic operation, types, Parts & their function, application, Design related all theory covered.
- ii) **Design & Testing of Transformer:** All the practical design & testing part conducted by Mr. A. C. Teke. These contains was Practical Knowledge regarding material selection, size, cost, material classification, core assembly, winding mounting, Main Dimension, Winding, Shapes, Output equation, determination of no. of parameter, winding and insulation & design step. Also Testing of transformer like O.C. & S.C. Test carried out. In that session students itself design & testing of transformer.



- iii) **Testing of Transformer:** The transformer oil testing theory as well as practical part conducted by Prof. Y. R. Naik. In that session students itself testing of transformer oil.



The resource person is very kind and helpful. This workshop will be useful for our students for their research work and carrier development. This seminar was co-ordinated by Prof. A. M. Bhandare.