

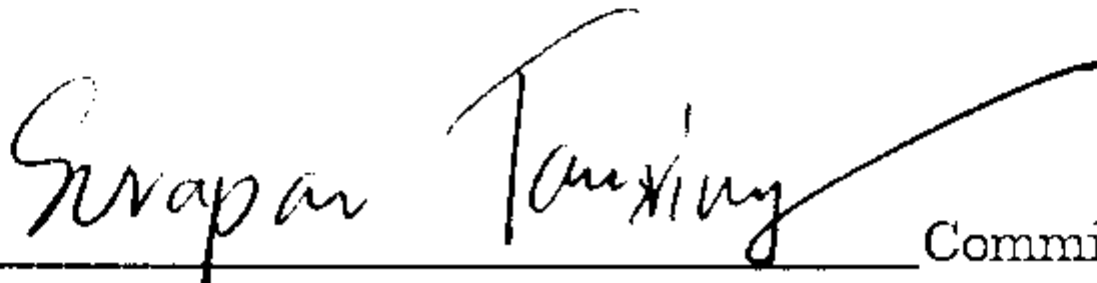
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Thesis Title : The Construction and Evaluation of  
Optical Fiber Communication Set.  
Major Field : Electrical Technology Engineering  
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Academic Year : 1996

### **Abstract**

This research was an experimental research. The purposes of the research were to construct laboratory equipment for optical fiber communication and to find out its efficiency. The efficiency was calculated from learning achievement evaluation. The experimental set was used in the fundamental of optical fiber transmission system at Multiplex Section, Division of Communication Technology, Section of Training, Department of Human Resources Development, Telephone Organization of Thailand. It will help solving the teaching aid shortage problem and improving the standard of teaching and learning.

This experimental set was designed to cover 6 training topics. Twenty students in Multiplex section were randomly assigned to the experimental process for data collection by means of experimental sheet and achievement test.

It was found that the efficiency of the optical fiber communication experimental set was 84.42 / 85.57. Which agreed to the hypothesis.

  
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Committee chairperson.