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Thesis Title : Trend of Requirement for Non-destructive material
Inspection in Training in Industry during 1992-1997

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Abstract

The present study aims to find out the requirement for non-destructive material inspection training in industry to carry out such inspection using Delphi technique. The sample comprises 17 experts inspectors in this field. The questionnaire is used to collect data which is then subject to statistical treatment to find median, mode and quartile range.

The result reveals that industry needs qualified and skilled inspectors in this field and must conform to a particular certified standard which is acceptable locally and overseas. The trend for non-destructive material inspection will increase with the growth of industry, the trend for safety and quality assurance.

The technology for non-destructive inspection will not change much but electronics system will be employed more to ease the process especially on data collection and retrieval with warning system which will help in making such inspection more efficient.

On training, work safety is emphasized no matter of what method is employed. For upgrading the skills of inspector by inviting overseas experts to conduct training, the inspector trainers should be trained first so that they can later carry out the training course themselves locally. The training should conform to a particular certified standard acceptable locally and internationally. There should be a local centre for non-destructive inspection to offer such services, conduct training and certify qualified inspector in this field.