

INTEGRITY ASSESSMENT OF ENGINEERING COMPONENTS – PERSPECTIVES OF CSIR-NML

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Integrity assessment of load bearing engineering components assume significance in view of the growing need for techno-economical design and enhanced safety norms. In the ensuing article, major task elements integral to this multi-faceted engineering problem, such as design against fatigue/creep, fracture analysis, non destructive evaluation, failure analysis and prevention, remaining life assessment are briefly described, highlighting the contribution of CSIR-NML. A brief account on the emergence of these research areas emanating from the industrial need of the country is given.
