



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT171/2021

Job Title

Senior Research Fellow

Job Reference Number

50261512

Application End Date

30.09.2021

Type of Employment

Proj. Staff Contract

No. of Position(s)

1

IITB Project Recruitment:

Project title: Development of Indigenous corrosion monitoring systems for Reinforced concrete(RC) Structures using Eddy current and Ultrasonics

About the project: IMPRINT sponsored project for development of indigenous tools for non-destructive testing and evaluation of damage in RC structures due to corrosion

Essential Qualifications & Experience:

M.Tech. in Mechanical/Civil/Electrical Engineering or equivalent with 2 years experience. Candidate must have clearly demonstrated research experience (publications in reputed journals) in structural health monitoring is essential. Candidate must have prior experience with FEM simulation software such as COMSOL Multiphysics, Abaqus, Ansys or equivalent.

Job Profile:

- (1) Numerical, analytical and finite element modeling of impact of damages in structures on acoustic wave propagation;
- (2) Development of numerical models for impact of corrosion on electromechanical impedance;
- (3) Analysis of experimental data (electromechanical impedance, guided wave ultrasonics)

Pay Details:

Consolidated salary Rs.35000/- p.m.

General information:

The position is temporary for a period of 1 year and tenable only for the duration of the project. The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.

Candidates called for interview will be required to attend at his/ her own expenses.

For any queries/clarification please contact: recruit@ircc.iitb.ac.in

