

## **CERTIFICATE**

This is to certify that the thesis, entitled “ **STUDIES ON THE BEHAVIOR OF RETROFITTED RCC BEAM COLUMN JOINTS** ” submitted to Karunya University, in partial fulfillment of the requirements for the award of the Degree of **Doctor of Philosophy in Civil Engineering** is a record of original research work done by **Mr.S.Robert Ravi** (06ZA002), during the period 2006-2010 of his study in the School of Civil Engineering Karunya University, under my supervision and guidance and the thesis has not formed the basis for the award of any Degree / Diploma / Associateship / Fellowship or other similar title to any candidate of any University.

Countersigned

Director  
School of Civil Engineering  
Karunya University

Signature of the Guide

## DECLARATION

I, **S.Robert Ravi** hereby declare that the thesis entitled, “**STUDIES ON THE BEHAVIOR OF RETROFITTED RCC BEAM COLUMN JOINTS**” submitted to Karunya University, in partial fulfillment of the requirements for the award of the Degree of **Doctor of Philosophy in Civil Engineering** is a record of original and independent research work done by me during 2006-2010 under the supervision and guidance of **Dr.G.Prince Arulraj**, Professor & Head , Department of Civil Engineering , S.N.S College of Technology, Coimbatore , and it has not formed the basis for the award of any Degree / Diploma / Associateship /Fellowship or other similar title to any candidate of any University.

Signature of the Candidate