

**DEPARTMENT OF MINING ENGINEERING
COLLEGE OF ENGINEERING**

ANNA UNIVERSITY, CHENNAI · 600 025, INDIA

**Dr. K. V. Shanker, PhD (Mining)
Professor & Head**

13 October 2010

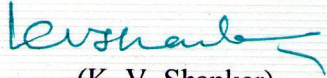
TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. **C. Annamalai** has worked as a PhD Research Scholar in the CSIR Sponsored Research Project on “Prediction and Analysis of Subsidence using Finite Element Method” at the Department of Mining Engineering from 02 August 1999 to 14 December 2003 under my supervision.

He worked on finite element model to predict subsidence due to underground extraction using ANSYS software. He has also used C/C++ Programming Languages to predict subsidence profile.

He maintains good relationship with his fellow colleagues and his character and conduct are good.

I wish him all success in his future endeavors.


(K. V. Shanker)
Principal Investigator