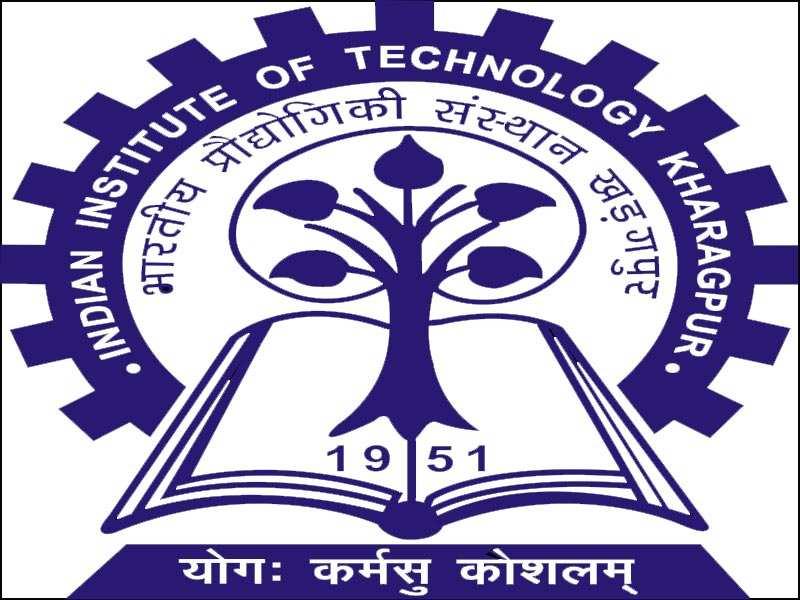
**Department of Mining Engineering**

**Indian Insititute of Technology, Kharagpur**

**PROJECT COMPLETION CERTIFICATE**

This is to certify that Mr Lakavath Venkatesh, Roll No 21MI10033 student of “INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR” has completed the project entitled “**Investigation of Behaviour of Barrier Pillars and Face of Weak Roof of Longwall Panels Lying at Deeper Depth**” under the guidance of “Prof Islavath Srinivas Rao” at Department of Mining, IIT Kharagpur, West Bengal for the academic requirements of his graduation.

We have observed that your work was excellent and we appreciate your sincere learning. You have performed the project with energy and enthusiasm. This certificate is issued based on your request.

I wish them grand success and a bright future in all their endeavors.

PROFESSOR ISLAVATH SRINIVAS RAO