## भारतीय प्रौद्योगिकी संस्थान गुवाहाटी गुवाहाटी- 781 039,भारत

## Indian Institute of Technology Guwahati

Guwahati - 781 039, India

Phone

: +91 361 258 2192

web

: acadoff@iitg.ac.in

Date: August 6, 2024

: http://www.iitg.ac.in/acad

Ref.:Ph.D/CERT/Prov/11610310

## PROVISIONAL CERTIFICATE

This is to certify that **Biplab Das** (Roll No. 11610310), Research Scholar in the **Department of Mechanical Engineering** of this Institute, has successfully completed all prescribed requirements for the degree of Doctor of Philosophy (Ph.D.) of the institute.

His thesis viva-voce examination was held on 16th July, 2024.

The title of his thesis is: Numerical and Experimental Thermo-Mechanical Analysis of Sheet Forming by Laser Line Heating.

It is further certified that, as per programme requirement, he has successfully completed course work and comprehensive examination.

The thesis evaluation was done by a pool of examiners including external examiners from India and abroad.

Dr. Subhajit Choudhury

Assistant Registrar & HoS (Academic Affairs)

अनुभाग प्रमुख Head of the Section शैक्षणिक मामले Academic Affairs आई आई टी गुवाहाटी IIT Guwahati