TUM

To whom it may concern

Munich, Jan 27, 2023

Confirmation of participation in an internship at TUM

This is to certify that **Mr. Sarthak Rastogi**, born on 05-12-2000, participated remotely in the Professorship for Environmental Sensors and Modeling (ESM) from June to November 2022. Mr. Rastogi was involved in the project: "Machine learning based calibration for low-cost air quality sensors". His tasks included:

- Data analysis and preprocessing.
- Development of Machine learning-based calibration models for low-cost NO_2 sensors.
- Experimentation with and evaluation of transfer learning models using Deep Neural Networks, BiLSTMs, Temporal Fusion Transformers, and other algorithms.

He accomplished these tasks independently with good results, and we wish him all the success in his future endeavors.

Jia Chen

Sincerely

Prof. Dr.-Ing. Jia Chen