



## **SUPERVISOR EVALUATION**

Diploma thesis

Thesis title:                   **Model of polymer melt flow in extruder screw**  
Author:                         **Udit Negi**  
Supervisor:                   **Skočilas Jan, Ing., Ph.D.**  
Reviewer:                     **Ing. Jiří Moravec, Ph.D.**

Author elaborated diploma thesis within range of 58 pages, containing 37 figures and 6 tables. 16 literature sources were used for literature search.

The thesis deals with analysis of polymer melt flow in the extruder screw cavity.

The student's approach was more or less active. He was not able to work independently. The most time consuming part was CFD simulations and also post-processing. The thesis was finished in eleventh-hour.

The benefit of this work is CFD model of the screw in motion filled by melted polymer in software ANSYS Fluent.

Author acquired several theoretical experiences and knowledge in the field of modelling of particles motion by FVM method.

Mr. Negi fulfilled all aims of the submission. I evaluated him by grade

**C (good)**

In Prague, 28. 8. 2018

Ing. Jan Skočilas, Ph.D. v. r.