Thesis Work – Automated cost file

Thesis Worker at Volvo Cars (ingress not to be changed)
Welcome to explore the world of Volvo Cars by writing your thesis with us! As a thesis worker in our organization you are supported by a supervisor who follows you during your project. All thesis projects are arranged in business critical areas and therefore you will be able to contribute to our company purpose – providing freedom to move in a safe, sustainable and personal way – from day one!

Background

The programme targets Master students in the areas of:

- Software
- UX/PLM
- Data science
- Production Engineering
- Automation

The intern is an asset to your team as he/she can contribute with:

- New ideas and perspectives
- Insights in the latest technology
- Awareness of new trends
- Challenge current ideas and perceptions and help your team learn and develop

Scope

To meet our ambition with WCE (World Class Engineering) use NX (lay out) and Teamcenter to create an automated cost estimation when we changing product and process prerequisites.

The scope includes to finalize the function that already are prepared in NX and Teamcenter as well as suggestions to maintain and update the pricelist in an efficient and user friendly way in Teamcenter.

Currency and safety (Confidentiality) concerns needs to be considered and benchmark “way of working” in Teamcenter/PDM system in other companies i.e. SKF Volvo AB Geely as well as Volvo Cars “Engineering” department (R&D)
Value

The project will result in faster cost calculations when we do changes in our BOP (Bill Of Process) and support our strategy ambition “Speed to market”.

Do you fit the profile

He/she actively supports various actors in realizing the (strategic) goals of a company or organization.

He/she demonstrates entrepreneurial attitude, accurately works in an independent and systematic way

He/she acts in a customer- and service-oriented way and independently builds networks and contacts with different stakeholders.

He/she autonomously collects, analyses, interprets and evaluates scientific and contextual quantitative and qualitative data.

He/she writes reports and formulates recommendations based upon his/her findings while demonstrating a critical, inquisitive attitude.

He/she communicates, in both speech and writing, in a professional way in English and he/she proves proficiency in at least one other language.

Education background: Computer Science, Production Engineering, Quality and Operations Management or similar.

We prefer to have several students 2-3 to have a good outcome and be able to brainstorm-collaborate with Volvo Cars Group teams.

Geographical location: Göteborg- Torslanda, PVH building

Department- Painted Body & Geometry
Starting date is flexible and to be agreed

Duration

- The work will start in xxxx/2024 (to be discussed with students)
- The duration for this thesis work is 20 weeks.
- 30 ECTS (academic credits) if in agreement with your Thesis Advisor in University
- This thesis is to be conducted by 2 Students working in pair.
How to learn more and apply
Selection will be ongoing during the application period, so do not hesitate to send in your application by email. Please attach your CV and a personal letter stating your interests within the given area and your thoughts and credentials.

Apply as soon as possible but no later than 2024-02-29.

If you have any additional questions regarding the thesis work, you are welcome to contact:

Manager, Patrik Wahlström, patrik.wahlstrom@volvocars.com
Supervisor, Magnus Jivefors, magnus.jivefors@volvocars.com

Who are we?
Everything we do starts with people. Our purpose is to provide freedom to move, in a personal, sustainable and safe way. We are committed to simplifying our customers’ lives by offering better technology solutions that improve their impact on the world and bringing the most advanced mobility innovations to protect them, their loved ones and the people around them.

Volvo Cars’ continued success is the result of a collaborative, diverse, and inclusive working environment. The people of Volvo Cars are committed to making a difference in our world. Today, we are one of the most well-known and respected car brands, with over 40,000 employees across the globe. We believe in bringing out the best in each other and harnessing the true power of people. At Volvo Cars your career is designed around your talents and aspirations so you can reach your full potential. Join us on a journey of a lifetime as we create safety, autonomous driving and electrification technologies of tomorrow