Converting STL to STEP and exposing APIs – Project Proposal

Technical Stack: Python Flask, FreeCAD, C++, GCP

Total duration: 2 Days

Total budget: $50

Number of Engineers working: 1

Description:

According to the requirement the task can be done using FreeCAD tool. Since you are requesting for an API to upload and download files using a web UI, I will be implementing an API using flask and it may not take more than 2 hours. Since it takes some time to install and configure required dependencies and do a working demo, I would like to request 2 days as the total duration for the task.

From the high level, the uploaded STL file will be received by the flask API and it will be converted into STEP by FreeCAD software. After the conversion, the flask API will return the downloadable URL of the file. (I can handle error logs, upload/download expirations ..etc and it may take additional 1 day to implement)

For this task I will try to do a demo on my local PC first, then we can implement it on your GCP and I can handle it too. After the ending the project I will be available for 2 extra days for any help regarding the work I have done.

My deliverable contains an API to upload and download files, an API documentation, and a technical specification document for the code I developed.

I will be available to work on this within next 5 – 6 hours and I can work full time on this and I can deliver it within 2 days after awarding the project.

Please review and approve the project proposal.

Regards,

Asiri H.

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Sri Lanka.