

STAGE ASSISTANT ENGINEER (2nd Year)

GRADUATE PROJECT

Assessment sheet

(filled in by the engineer responsible for the student)

Company (name, address) : Hanoi university of Mining and Geology

Name of the student : Eloi Jumiaux

Project title : Development of a mathematical model for predicting the inflow to the hydroelectric power station to improve the efficiency of the plant

Name of the engineer responsible : Khong Cao, Phong Department : Dean of Electro-Mecanical Engineering Faculty

Thank you for surrounding the term that seems to be the most adapted to each question.

Behaviour during the internship :

What do you think of the behaviour of the student : poor ☐ medium ☐ good ☐ very good ☐ excellent ☒

In particular, what do you think of : Cliquez ici pour taper du texte.

• his/her motivation : poor ☐ medium ☐ good ☐ very good ☐ excellent ☒

• his/her integration into a working team : poor ☐ medium ☐ good ☐ very good ☒ excellent ☐

• his/her sense of organisation : poor ☐ medium ☐ good ☐ very good ☒ excellent ☐

• his/her sense of responsibility : poor ☐ medium ☐ good ☐ very good ☒ excellent ☐

General comments on the behaviour :

Mr. Eloi Junimiaux is a gentle, hard-working student. Although he is not overly active, but he has the awareness of responsibility to complete assigned tasks. He is capable of working independently as well as cooperating in group work when implementing the project.

Work done and results :

What do you think of work done

• about volume : poor ☐ medium ☐ good ☐ very good ☒ excellent ☐

• about quality : poor ☐ medium ☐ good ☐ very good ☒ excellent ☐

Is the product made, the development reached, the technical and economical study carried out regarded as :

unusable ☐ barely usable ☐ partly usable ☒ totally usable ☐

General comments :

During the 12 weeks, Junimiaux's group was assigned to study about building a model to predict the flow to a hydroelectric reservoir based on rainfall data of the catchment basin. Although this was not the knowledge content that the group of students had learned in school before the internship, the group of students still tried to learn and complete the task. The content of the work completed by the group of students showed some models to calculate the flow forecast to the reservoir with average accuracy. This is a good result for a second-year student to achieve during the internship.

Definition of the study :

Was the study : badly defined ☐ quite badly defined ☐ well defined ☒ very well defined ☐ ?

Does the type of study match the profile of our students ? YES ☐ NO ☒

Have you followed the student like you wished ? YES ☒ NO ☐

General comments :

As mentioned above, the internship content is not entirely suitable for students majoring in electronic engineering. However, the group of students still demonstrated their ability to self-study and research and achieved good results. Through the content of the work, students also learned the basics of artificial intelligence models in building predictive models.

Internship report :

Content : poor ☐ medium ☐ good ☐ very good ☒ excellent ☐

Usability : poor ☐ medium ☐ good ☒ very good ☐ excellent ☐

General comments :

The results obtained from the internship report have shown some suitable mathematical models in forecasting streamflow based on basin rainfall data sets. Although not yet widely used, these are remarkable results for the work result of student group.

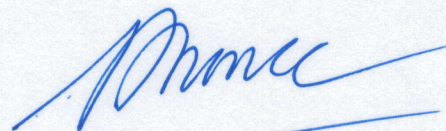
General impression :

In terms of hiring, how would you recommend this candidate ?
(This is an assessment from the company and not in any case a commitment from the company towards the student)

Mr. Eloi Junimiaux is a reliable and hard-working candidate. His seriousness, combined with his ability to work independently, allows him to be a successful teacher and researcher. Although he is not particularly active, his collaborative skills ensure that he can contribute meaningfully to team efforts. His commitment to completing tasks efficiently will be his advantage in any work environment.

Date, name and signature of the engineer responsible for the student :

16/10/2024


Khổng Cao Phong