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Centro de Ciências Exatas e de Tecnologia - CCET
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Engenharia Elétrica

January 22, 2021

To Whom It May Concern:

My name is Osmar Ogashawara, I am professor at the Federal University of São Carlos, Department of Electrical Engineering. I present and recommend the candidate Vinicius Kazuhiro Quitakava Tanigawa.

He is a student of the Electrical Engineering course at UFSCar, who started in 2020. In normal periods he would take my courses only from the fifth period (fifth semester), however due to the pandemic and adoption of the Non-Presential Emergency Teaching (ENPE) regime by UFSCar , it became possible for students to enroll in disciplines that have no prerequisites.

The semester was divided into 3 blocks, Block A (8 weeks starting on 8/31/2020 and ending on 10/26/2020); Block B (8 weeks starting on 11/09/2020 and ending on 16/01/2020); Block C (16 weeks starting on 31/08/2020 and ending on 16/01/2020, with recesses in the middle).

In block A I offered two optional subjects:
1) Introduction to renewable energies
2) Electric and hybrid vehicles
In block B I offered a mandatory subject:
1) Instrumentation and measurement systems

In block A, Vinicius Tanigawa, enrolled in the two subjects I offered. I was afraid, because as a freshman, he might not be able to follow the development of the disciplines. But the candidate surprised me having passed the Introduction to Renewable Energies course with a score of 9.0 (grades ranged from 6.0 to 9.7). In the discipline Electric and hybrid vehicles, he was approved with a grade of 9.3 (grades varied between 6.3 and 9.3).

In block B, the candidate enrolled in the discipline Instrumentation and Measurement Systems. The course has practical credits, and could not be carried out due to the COVID-19 pandemic. But in the theoretical credits he got a score of 7.9 (the grades ranged from 2.1 to 9.0). As the practical part was not carried out, all enrolled students had a concept I (incomplete).

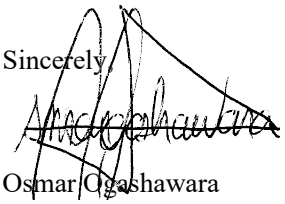
After block A ended, Vinicius Tanigawa contacted me by email, asking for information on Scientific Research (SR). I informed the SR procedure adopted at UFSCar and that a SR scholarship for a first year student is not possible, but he could start the research. He readily accepted. He liked the discipline of Electric and Hybrid Vehicles and he participates in the Aerodesign team at UFSCar, so I proposed a SR about electric aircraft. Modelling and simulating an electric aircraft. Demonstrating initiative, he got contacts from people working at EMBRAER with electric aircraft projects. And he defined what type of aircraft would be more interesting to model and simulate.

The candidate's academic record is surprisingly excellent, considering that he is a new student in 2020.

In conclusion: he is an above average student, with great potential and capacity.

Please, feel free to contact me if you find necessary any other information.

Sincerely,



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