MOTIVATION FORM FOR JEMARO (MANDATORY)

**General Instructions (please read carefully)**

In order to show your motivation for JEMARO, please fill out this mandatory motivation form.

There are **2 parts** that you must fill out. **Failing to use this mandatory form will lead in obtaining a 0 grade on the motivation criterion.**

Use font size 11 or 12.

**PART I – You and your motivations**

**Instructions:**

This part helps us understand who you are as a person and maybe as a future JEMARO student.

**You do not need to address anyone** with an introductory phrase such as “To whom it may concern” or “Dear…”

Simply answer each question one by one like in a regular form. There is no need to use connecting words between the answers to each question.

1. **Personal introduction (300-500 characters, spaces not included).**

Cliquez ou appuyez ici pour entrer du texte.

1. **State in short why you want to apply for JEMARO and why you chose a given robotics related research topic to work on during the Research Track (300-500 characters, spaces not included).**

Cliquez ou appuyez ici pour entrer du texte.

1. **Develop your strongest qualifications, past experiences and qualities that will help you to succeed in JEMARO (500-1000 characters, spaces not included).**

Cliquez ou appuyez ici pour entrer du texte.

1. **Develop what will be your professional project after getting your master’s degree (300-500 characters, spaces not included).**

Cliquez ou appuyez ici pour entrer du texte.

**PART II – Your background**

**Instructions:**

This part comes as an additional tool to your transcripts. It is meant to help us understand your academic background and how it relates to JEMARO.

Fill out the tables 1 & 2 following the indications given.

**Table 1 – Recall of your studies**

|  |  |
| --- | --- |
| **Undergraduate degree title (if you also obtained a master, mention it too)** | Cliquez ou appuyez ici pour entrer du texte. |
| **Mention minor/major or specialization if any** |  |

**Table 2 – Links between your curriculum and JEMARO**

Example on how to fill out the table (the matrix to fill out is on the next 2 pages, in red):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **THEME** | **Key concept** | **Not covered** | **Beginner** | **Intermediate**  | **Advanced** | **Most relevant course(s) where the concept was covered (list 3 courses max.)** |
| **Artificial Intelligence** | Knowledge representation |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Machine learning |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Symbolic AI |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
| **Computer Engineering** | Digital and embedded systems |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |  |   |   |
|  | Object-oriented programming |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Operating systems |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
| **Control Engineering** | Controllers |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Laplace transform |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Linear systems |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Non-linear systems |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Stability |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
| **Mechanics** | Mechanical design methods |[ ] [ ] [ ] [ ]  Cliquez ou appuyez ici pour entrer du texte. |
|  | Theory of mechanism and machines(kinematic and dynamic modelling) |[ ] [ ] [ ] [ ]  Cliquez ou appuyez ici pour entrer du texte. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **THEME** | **Key concept** | **Not covered** | **Beginner** | **Intermediate**  | **Advanced** | **Most relevant course(s) where the concept was covered (list 3 courses max.)** |
| **Mathematics** | 2D/3D geometry |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Differential calculus |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Linear and matrix algebra |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Logics |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Numerical methods |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
| **Programming** | C/C++ |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | MATLAB |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Python |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
| **Robotics** | Industrial robotics |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Manipulators modelling |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Mobile robots |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Robotic control |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |
|  | Robotic software programming |[ ] [ ] [ ] [ ]   Cliquez ou appuyez ici pour entrer du texte. |