

# **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

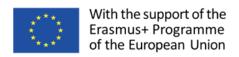
#### Instructions:

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.

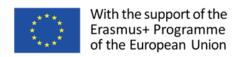
1)	Personal introduction (300-500 characters, spaces not included).
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2)	State in short why you want to apply for JEMARO and why you chose a given robotics related research topic to work on during the Research Track (300-500 characters, spaces not included).





	Develop your strongest qualifications, past experiences and qualities that will help you to succeed in JEMARO (500-1000 characters, spaces not included).
4)	Develop what will be your professional project after getting your master's degree (300-500
	characters, spaces not included).





## 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

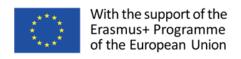
Undergraduate degree title (if you also obtained a master, mention it too)	
Mention minor/major or specialization if any	

# 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):

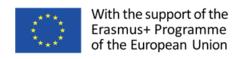
THEME	Key concept	Not covered	Beginner	Intermediate	Advanced	Most relevant course(s) where the concept was covered (list 3 courses max.)
	Knowledge representation	х				N/A
Artificial Intelligence	Machine learning				Х	ML201 Supervised learning ML302 Deep learning ML405 Advanced Machine learning
	Symbolic AI		х			SAI 101 Introduction to symbolic AI





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





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