



MOTIVATION FORM FOR ROBOTICS ENGINEERING

General Instructions (please read carefully)

To show your motivation for the M.Sc. in Robotics Engineering, please fill out this motivation form.

There are 2 parts that you must fill out. Failing to use this mandatory form properly will lead in obtaining a low 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 Robotics Engineering 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. The size of these boxes should not be changed.

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

2) State in short why you want to apply for the M.Sc. in Robotics Engineering at the University of Genoa (300-500 characters, spaces not included).



3) Develop your strongest qualifications, past experiences and qualities that will help you to succeed (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).

5) Specify how you discovered Robotics Engineering and where you gathered information (Robotics Engineering website, through JEMARO / EMARO websites, through friends who are/have attended, through newspapers, etc.). (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 Robotics Engineering.

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 Robotics Engineering

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	X				N/A
	Machine learning				X	ML201 Supervised learning ML302 Deep learning ML405 Advanced Machine learning
	Symbolic AI		X			SAI101 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.)
Artificial Intelligence	Knowledge representation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Machine learning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Symbolic AI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Computer Engineering	Digital and embedded systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Object-oriented programming	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Operating systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Control Engineering	Controllers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Laplace transform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Linear systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Non-linear systems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Stability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mechanics	Mechanical design methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Theory of mechanism and machines (kinematic and dynamic modelling)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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