University of Messina
MIFT Department
Bachelor Data Analysis

UNIME Internship Project Proposal

ID	PTI_Fazio Maria_02/03/2023 18.16.02
Date	02/03/2023 18.16.02

Project Supervisor

Surname	Fazio
Name	Maria
Department	Dipartimento MIFT
Laboratory	FCRLab
Email	mfazio@unime.it
Phone Number	

Project Co-Supervisor (not compulsonary)

Surname	
Name	

Job Position	
Department	
Laboratory	
Email	
Phone Number	

Internship Project Details

Title	Container Migration

Detailed Description: Container migration techniques allow you to create flexible and dynamic processing systems. Classic container orchestrators already allow you to automate migration in case of computational overload of the nodes. However, there are migration needs that do not depend on the infrastructure, but on the application running on the container. (e.g. limit on response delay, jitter,...)
The internship activity wants to implement changes to the Lightweight Kubernetes K3S orchestrator to enable new application-dependent migration policies.

Duration (months – max 12)	6
Duration (hours)	60
Potential deadline	
Number of open position	3

Internship Skills

Required skills: Basic knowledge of Linux and computer networks

Other skills	