	Period of execution in months																																	
Activities	2016						2017								2018								T	2019							2	2020		
	4 5	6 7	7 8	9 1	0 11	12	1 2	3	4 5	6	7 8	9 1	0 11	12	1 2	3	4 5	6	7	8 9	10	11	12	1 2	3	4 5	6 6	7	8 9	10	11 12	2 1	2 3	
General																																		
Planning meeting		•	_	•	•		•		•	ı	•	•	•		•		•		•		•		ŀ			•								
Follow-up meeting							•									Ш	┚		'				\perp			•	1							
Research seminar		•			Ш	•						•	-	•		•		▮•				$oldsymbol{oldsymbol{\sqcup}}$	•		Ш							Ш	$oldsymbol{oldsymbol{oldsymbol{eta}}}$	
Elaboration of scientific articles		Ш			-	•			•			•	=	•		Ш	•		ا	• •	<u> </u>		•			•	•	ı	• •		• •			
Evaluation meeting					$\perp \perp$	•						<u> </u>		<u>•</u>		•				•	<u> </u>	Ш	•						•	Ш			Ш	
Elaboration of the research proposal		$\sqcup \!\!\! \perp$			\perp		\perp	Ш		Щ	$oldsymbol{\perp}$	• •	•			Щ	\perp	Ш		\perp		Щ	$oldsymbol{\perp}$	\perp	Ш				\perp	Ш	\perp	Ш	\sqcup	
Project presentation		Ш			Ш			Ш		Ш	$\perp \perp$		=			Ш		Ш				Ш			Ш								$oldsymbol{oldsymbol{oldsymbol{eta}}}$	
Writing preliminary results		$\sqcup \!\!\!\! \perp$			$\perp \perp$			Ш		$\sqcup \!\!\! \perp$	$\perp \downarrow$		$\perp \perp$	• <u> </u>	• •		• •	▮■	•	• •	<u> </u>	Щ	ᆚ	\perp	\square		\perp		\perp	\coprod	\perp	Ш	\sqcup	
Pre-defense of the thesis						4		Ш				4	\perp	4		Ш	_	Ш		╧	<u> </u>		_		Ш								igspace	
Teaching Internship					$\perp \! \! \perp$					Ш	$\perp \perp$		$\perp \perp$			Ш					•		•										$oldsymbol{oldsymbol{oldsymbol{eta}}}$	
Thesis defense and writing						_								4															• •		<u> </u>	╚	• •	
Research														1									н									н		
Literature review	• •	•	• •	•	•	╗																											П	
Definition of objective criteria for selecting a set of integration						_				П	\Box		\top			П							T											
platforms to be studied				- -	• •	-1																											1	
Study of the runtime system of each selected platform					\Box			П		П	П		П			П						П												
Identification of properties that may have an impact on the					\top	T			_		11	T	11	T		П	\top	П		T		П	1											
performance of runtime systems							• •	▎▘▍	•																								1	
Development of a comparison framework for integration runtime					\top						\top		\top	1		П	\top	П				H	1											
system								•	- -	•																								
Framework application developed to compare selected platforms										•	• •																							
Identification of the weaknesses of the runtime systems of the		\vdash			+	\dashv	+	H		\vdash	+		+	T		H	\top	H	\top	\top	+	H	T	\top	H					H		Ħ	\vdash	
integration platforms studied							- -	 ■ '	- -	• '	• •	• •	•																				1	
Elaboration of proposal of a new model for a runtime system more						+		\Box			11	\top	11	1		П	十	П		\top	+	H	+	+	H					\dagger			一	
efficient															• •	•	╸┃╸	•																
Sandwich doctorate	\sqcap	\sqcap		\sqcap	$\dagger \dagger$	\top	\top		\top	一	11	\top	++	十	\top	▮▮	• •			• •	•			• •					1	\sqcap	\top		\sqcap	
Proof of concept development to measure the gains of the proposed	\vdash	$\vdash \vdash$	\top	\vdash	+	\dashv	+	卅	\top	$\vdash \vdash$	++	+	+	十	\top	H	十	Н		+	+	\vdash	\dashv	+	\forall	-		\vdash	+	†	\top	T	\vdash	
runtime system																			-	╸╽╺	• =	•	•											
Selection of a set of datasets to demonstrate the operation of the		\vdash	\top		+	十	\top	H		\vdash	++	+	+	\dashv		$\vdash \vdash$	+	Н	+	+	+	$\vdash \vdash$	十	+	\Box			+	+	$\vdash \vdash$	+	Ħ	\vdash	
proposed runtime system																							'	• •	•									
Validation	$\vdash \vdash$	 	+	\vdash	+ +	-	+	\vdash	_	\vdash	+ +	-	-	-	_	\vdash	-	-	-	-	+	\vdash	-	_	\vdash	_	-	\vdash	_	+ +		-	\vdash	