

Contract: BSc project

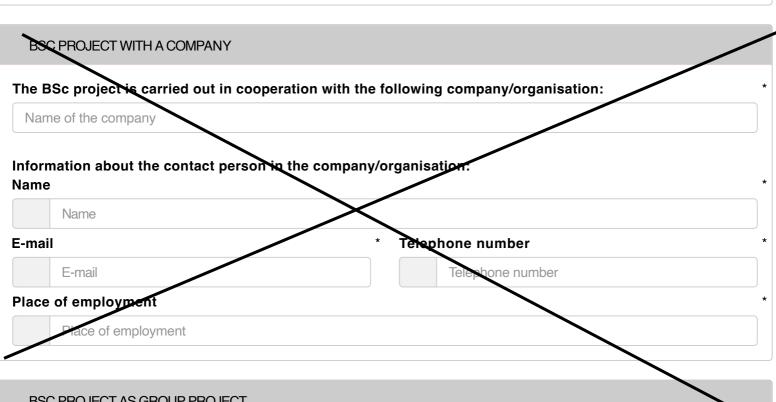
PERSONAL II	NFORMATION				
Ucph-usernar	me	*			
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First name		*	Surname		
Marcus			Rasmussen		
E-mail		*	Telephone number		
mnsr@hotmail.dk			81740306		
Bachel	or i machine learning og datavidenskab	*	* Specialisation (if applicable)		
			Specialisation (if applicable)		
INFORMATIO	N ABOUT MAIN SUPERVISOR				
Name		*	E-mail		
Bulat Ib	ragimov		bulat@di.ku.dk		
Department					
Department	Department of Computer Science				
Department	Department Choose from the list				
Department	Choose from the list				
Department	Department Choose from the list				
INFORMATIO	N ABOUT THE PROJECT PERIOD				
Full time in on	ne block:				
C Block 1	Block 2 Block 3 Block 4	Blo	lock 5		
Part-time in tw	vo blocks:				
© Block 1+2 © Block 2+3 © Block 3+4 © Block 4+5 © Block 5+1					
- Block 112	- Block 2:3 - Block 3:4 - Block 4:	J	- Block 3+1		
	ssion for project report:				

10/06/2024

Note: The date for submission can not be earlier than two weeks before the exam week in the project's last block

THE FOCUS OF THE BSC PROJECT					
☐ The BSc project is prepared in cooperation with a company ☐ The BSc project is prepared as a group project					
Please state in which language the BSc project is prepared C Danish English Norwegian Title/topic of the BSc project					
Cellular Cartography: Navigating the Histological Terrain of IBD with AI					
Description This bachelor's project explores the integration of artificial intelligence in the medical field, focusing on the study of Inflammatory Bowel Disease (IBD). The core objective is to develop and evaluate an Al-based framework, utilizing					

images from IBD patients. The overarching goal is to predict the disease severity of a given patient, whom a given histological sample is extracted from. This would be done by correlating disease severity with the segmentation map of inflammatory cells. The project aims to create a faster and more reliable solution to histological disease severity analysis than what is currently modern-day practice. Key challenges of the projects include processing very large input data (in terms of spatial resolution) with deep learning models and producing accurate segmentation maps on input with finegrained details



BSC PROJECT AS GROUP PROJECT

Add the other members of the group here

Name *	Ucph-username *
Name	Ucph-username
Information about BSc project and exam	
The BSc project is prepared as a:	
O Joint report Peport with individual contributions	
The exam is held as a:	
Group xam Individual exam	
N ===== N === N === N === N == N == N	
INFORMATION ABOUT SUPERVISION	
The main supervisor and the student(s) must align the	eir expectations for the project process with each
other by providing the following information:	
State the expected number of hours of supervision: 15	*
State how often you need to meet (prepare meeting schedule	if needed):
Fixed meetings to catch up on completed work + the possibil	lity to make extra meetings if needed.
State what is expected of the supervisor at the meetings:	*
The supervisor is expected to provide technical guidance on	algorithm selection, problem-solving, debugging, testing,
and verification, while also offering academic support, feedb	· · · · · · · · · · · · · · · · · · ·
positive, collaborative learning environment. Their role is to go of the project.	guide, assess, and ennance the overall quality and progress
or mo project	
State what is expected of the student(s) at the meetings:	*
The student is expected to actively engage in the project, ap	ply learned concepts, problem-solve, demonstrate initiative.
communicate effectively, and consistently contribute to the p	
continual learning, and maintain a high standard of academic	c integrity and professionalism throughout the project
Other:	

SIGNATURES

kontrakt.	et > Bachelorprojekt og andre projekter > i limelding og
BSc student	Date
Musika.	28/01/2024

When signing this contract I guarantee that I have read the university's guidelines on how to avoid plagiarism: Studieinformation > Kurser og undervisning > God videnskabelig praksis.

Main supervisor	Date
	31/01/2024
Head of studies	Date
Head of department or deputy head of department	Date

Read more about UCPH's data policy (https://informationssikkerhed.ku.dk/english/)