

# RIGA TECHNICAL UNIVERSITY

## Plan of Doctoral thesis and it's implementation for the 2nd study year From September 2022 until September 2023

1. EXAMS		
No.	Subjects (course code, name of the course, CP)	Semester
1.	Particles for medical physics, 4	2nd
2.	Data science for physics, 4	2nd
3.	Computer aided design, 3	2nd
4.		
5.		
6.		
7.		

### 2. PLANNED PARTICIPATION IN CONFERENCES

NO.	Name, location, time	Information about performance
1.	Participation with oral presentation in at least one International conference, seminar or major project meeting (HITRIplus, NIMMS, CBC)	
2.		

### Planned research activities

1.	Literature review on errors in mechanical engineering
2.	Comprehensive correction and measuring strategy
3.	Error list formalization for each strategy
4.	Analysis of necessary numerical input parameters
5.	Integration completion (minimum necessary to answer point 4)
6.	Analysis of error concatenation strategies
7.	Code writing and code optimization (python or maxima implementation)

### Other activities

1.	Practical part of Accelerator Technologies course (contribution to IFAST)
2.	CMS contribution

Doctoral student *Anna Pucara* 11. 08. 2021

Scientific advisor \_\_\_\_\_ . \_\_\_\_ . 20\_\_\_\_

Feedback from the Scientific advisor about the performed plan:

Scientific advisor \_\_\_\_\_ . \_\_\_\_ . 20\_\_\_\_

Doctoral student \_\_\_\_\_ Certified with \_\_\_\_\_

By the Board of 20\_\_  
Institute \_\_\_\_\_

Director of Institute \_\_\_\_\_

\_\_\_\_\_  
decision (protocol No. \_\_\_\_\_ ).