TUM

Application for an Interdisciplinary Project in an Application Subject (IDP) for students of the master's program Informatics / Student Registration

Please send back the form, signed at page 2::

| To the Examination Board Informatics |
| Mrs. Kinzel |
| Fakultät für Informatik der TUM |
| SB-S-IN |
| Boltzmannstraße 3 |
| D-85748 Garching bei München |

In the event that the project has already been approved and that only students are registered, a copy of the authorization should be attached to this application; Point 1 does not have to be filled out again.

1. Application for the Interdisciplinary Project

Application Subject: Electrical Engineering

Title (German **and** English):
Extension of the Diablo framework and profiling blockchains to identify and optimize bottlenecks
Erweiterung des Diablo-Frameworks und Profiling von Blockchains zur Ermittlung und Optimierung von Bottlenecks

Supervisor: Prof. Dr.-Ing. Georg Carle

Advisor: Filip Rezabek, Richard von Seck

a) The application must be accompanied by an approximately 2-page project description (as an **attachment**) with a timetable, the milestones to be worked on, and a description of the interrelation between the lecture, the accompanying exercise (if applicable) and the project work.

b) If possible, the IDP should be worked on by a team of 2-4 students. The project description should specify the tasks dedicated to the individual students.

Designated number of students: 2

c) Preparatory/accompanying lecture and exercise (if applicable) of 4 hours per week (4 SWS); please, always specify the corresponding module id:

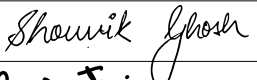| Module-ID	Lecture with accompanying exercise (if applicable)	Lecturer	SWS
EI70330	Data Networking	Kellerer, Wolfgang	4
	Total of SWS (usually 4 SWS):		4

d) Grading:

To calculate the overall grade of the IDP, the grade of the **lecture** is weighted **30 percent** and the grade of the **project work** (consisting of practical activity, documentation and presentation) **70 percent**. Please indicate here how much the **parts of the project work** should count to the grade of the project work (not to the overall grade):

Weights of the parts of the project work to calculate the grade of the project work	Percent
Practical activity	70 %
Documentation (at least 20 percent)	20 %
Presentation (at least 10 percent)	10 %
Total	**100 %**

Note: The workload for the project work (hours of attendance as well as self-study hours), excluding the workload for lecture and exercise, should be about 330 hours (11 Credits).

2. Registration of students

Students:

Matrikel Number	Last Name, First Name	Number of semesters	Signature
03763736	Ghosh, Shouvik	1	Shouvik Ghosh
03763747	Singh, Parshant	1	Parshant

Project start: 01-11-2022

Anticipated project completion::   30-05-2023

Munich, 09.11.2022

(place and date)   _____ (signature of the supervisor)

Note:
Due to the fact that the IDP is part of the master's examination, the supervisor must be an officially appointed examiner for the application subject. Should the supervisor not be appointed, special authorization by the Examinations Board will be required or rather an approinted examiner must be announced.