

Student Assistant Position

Support for Teaching: Supervision of the Measurement Technology Lab

We offer the **Measurement Instrumentation Lab** to Master's students in Mechanical Engineering during the summer semester. The RVMRT and MTP laboratories have been revised and merged, and now consist of the following experiments:

A1	Measurement of stochastic signals
B1	Image recording and analysis
B1	Image processing with filters and segmentation
B2	3D Scene Understanding and Depth Estimation
C1	Object Recognition with Deep Learning
D1	Control of an Industrial Robot
D2	Actuation of a Ball-Balancing Table
D3	System Modeling of a Ball-Balancing Table

We are looking for about 8 student assistants to supervise the experiments!

As an experiment supervisor, you will independently conduct colloquia with groups of about three to six students and assist them in conducting an experiment. You can choose which of the offered experiments you would like to supervise.

The lab takes place during the lecture period from Monday to Thursday between 10:00 am until 1:00 pm and 2:00 pm until 5:00 pm. The total workload per chosen day is approximately 30-45 hours.

We are interested in students from various disciplines. These include Mechanical Engineering (MA), Electrical Engineering, Physics, Chemical Engineering (MA), and Computer Science!

If you are interested, please contact us by email or phone!

Job Focus:	Support for Teaching
Requirements:	Basic understanding of physical principles Enjoyment of teaching
Start and Duration:	8 weeks of experiments in the SS, starting from 05.05.2025
Contact:	M.Sc. Jonas Merkert, Room 033, Building 40.32 Tel.: +49 721 608-45628, Email: jonas.merkert@kit.edu