DVRK stereo camera calibration and model registration

- **Project Goal:** Phantom placed in the camera view needs to be registered with the PSM robot.
  - First perform a hand-eye calibration to know the relationship between the camera and the robot.
  - Detect the phantom model in the camera view and register the model to the camera.
  - Final get the registration between the robot and the model.

- **Size group:** 1-2

- **Skills:**
  - C++, Matlab/Python.
  - Knowledge of ROS would be very helpful.
  - Image processing, Registration, Hand-Eye calibration

- **Mentors:**
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