Lab Assignment-3

14 February 2024 08:21

1. Calibrate your phone amera.
(20 points)

→ Download the checkerboard calibration pattern from the website below: -

http://www.vision.caltech.edu/bouguetj/calibdoc/htmls/pattern.pdf

-> Place the two patterns in an orthogonal position. (eg. gainst a wall)





-> World coordinates [uwi] can be ywi)
2w

measured un'y a tale on the checker board.

-> For image coordinates [u(i)], click

-> For image coordinates [u(i)], click a picture using your phone comera and on that picture find out the cooresponding pixel coordinates. Solve for matrix P uning there world and image coordinates. A minimum of 6 points correspondence is needed to salu for P. Finally you have to find out Mint and Mert matrix for your phone Comera. (ompare yaur (omputed Mint and Mert With any inbuilt libriray function.