Lab Assignment-4 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. ajainst a wall) World (oordinates (u)) (an be yw) 2w measured wrig a tale on the creckerboard. For image coordinates [u(i)], click

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