NOVEMBER MOBILE ROBOTICS 9 TAUGHT BY 10 · prof. madhava Krishna COURSE TOPICS 1. vision · rigitl body transformations · projective geometry · camera modelling · camera calibration · two-view geometry Stereo · triangulation

· resection

2014

· visual odometry

· bundle adjustment

Wednesday WK 48 • 330-035 20 State estimation · bayesian filters · Kalman filter · extended kalman filter · localization and mapping using EKF. : 3. path planning · A1-style planning · kinematics · randomized planning · trajectory optimization · collision avoidance in dynamic environments. TEXTBOOKS 1. multiple view geometry in computer vision; hartley. (2003) 2. probabilistic robotics; thron. (2005)