Road surface roughness is an important metric to measure in order to assess road conditions, Saskatchewan Ministry of Highways and Infrastructure currently spends close to half a million dollars annually to gather surface roughness and overall road condition data of various highways. Our project investigated and implemented a low cost, modular system to be able to gather surface roughness and condition data of Saskatchewan’s roads. The system utilized the applications of accelerometers and Zigbee for gathering and transmitting data, our central processing unit takes data, processes it, and uploads the relevant information to a website, allowing the public to easily view information. Additional features such as GPS and road image capturing were also implemented to assess the overall road profile. The system brings cost-effectiveness and intuition Visit roadquality.ca to see more information on Regina's roads.