Introduction
This final year project is based on developing a SportMeter watch. The watch will be able to gather information such as the motion of the user during a sporting activity. The sport that is chosen for the project is motocross. The position and strength of the human body play an important role in motocross, and with the help of motion sensing and post analysis, the user can determine which areas they need to work on to improve their performance.

Aim and Objectives
The Aim of the project is to have a product that is capable of monitoring a rider’s motion during a motocross race or a motocross training session.

The objectives are:
• To retrieve data transmitted from the motion sensors via wireless communication to a wearable watch for data storage, analysis, and display.
• To provide an easy to use, maneuverable and light in weight SportMeter watch which will make the product ideal for motocross and possibly for similar sporting activities.

Methodology
Design: Three sensors on the arms and three sensors on the legs with two more sensors; one on the head and one on the waist will help mimic the full body motion of the rider.

Results
The testing results above show a combination of video snapshots and the retrieved graph. Evaluation of the retrieved data can then be used to evaluate the performance of the rider. The rider can use this data to see where he needs to adjust his body position in order to improve his speed.