Water an important resource gifted to us in many forms .one such is holy river Ganga. Ganga water plays a major role in Indian mythology. But due to setting up of different industries in and around Ganga basin, its water quality is deteriorating day by day. And civic authorities are not able to have real time pollutant status of water and cannot carry out necessary raid on industries and treatment before it affects aquatic as well as human life. This paper consists of a wireless river water quality monitoring method which can be useful for monitoring Ganga water. Our proposed method is system of interconnected temp sensor, raspberry pi, cloud storage and a website to show real time status. Sudden increase and decrease in temperature plays a major role in affecting water resource. This paper also consists of an approach to alarm civic authorities if the concentration of pollutants increases. By this approach not only civic authority but common man will have pollutant status around them.