

**Motivation:**

Clock on chip contributes to synchronization of various operations. Most of the time, Embedded systems contains more than one sensor which only use local clock for periodic transmission of data as existing time services are burden on the system. When sensor don't have RTC on chip, collecting data from various sensors at server can cause synchronization issue. As embedded systems are resource constrained, so system do not get to use real time clock every time. We want to leverage this time-stamped sensor data received at the gateway to synchronize the sensing devices. Resolution of This idea will contribute to various applications like smart homes, autonomous vehicle, automated agriculture etc.