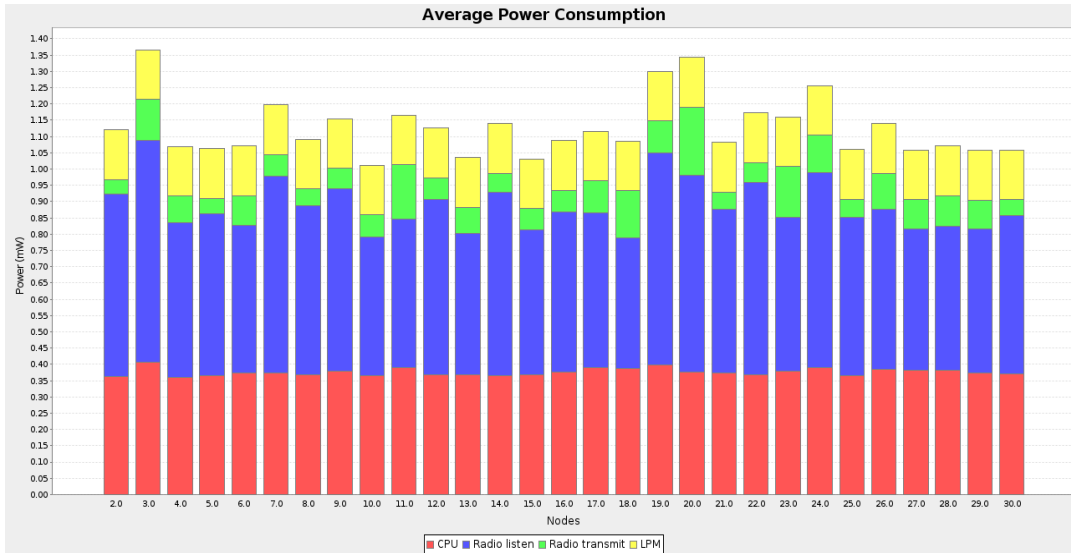
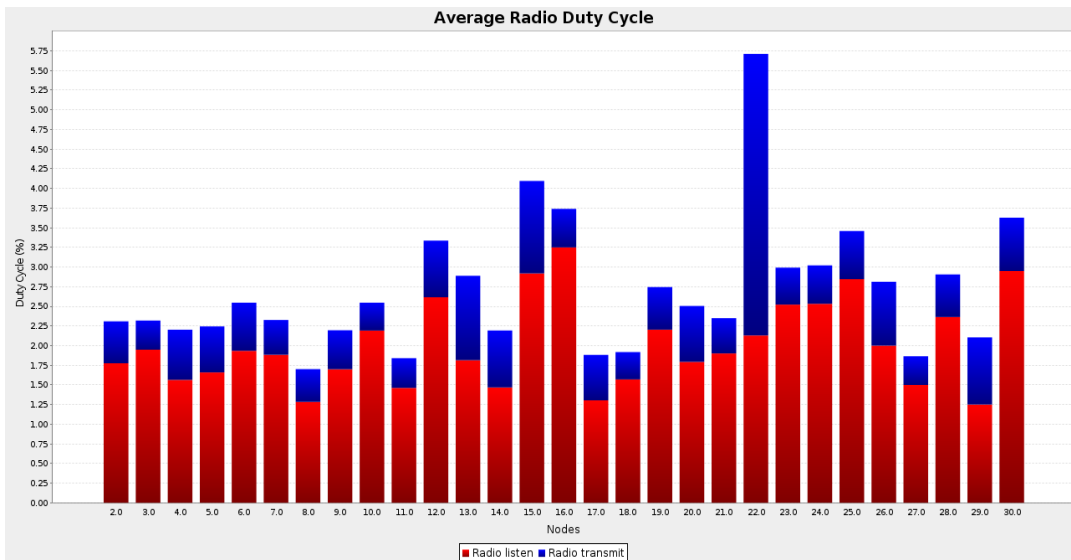


Appendix B

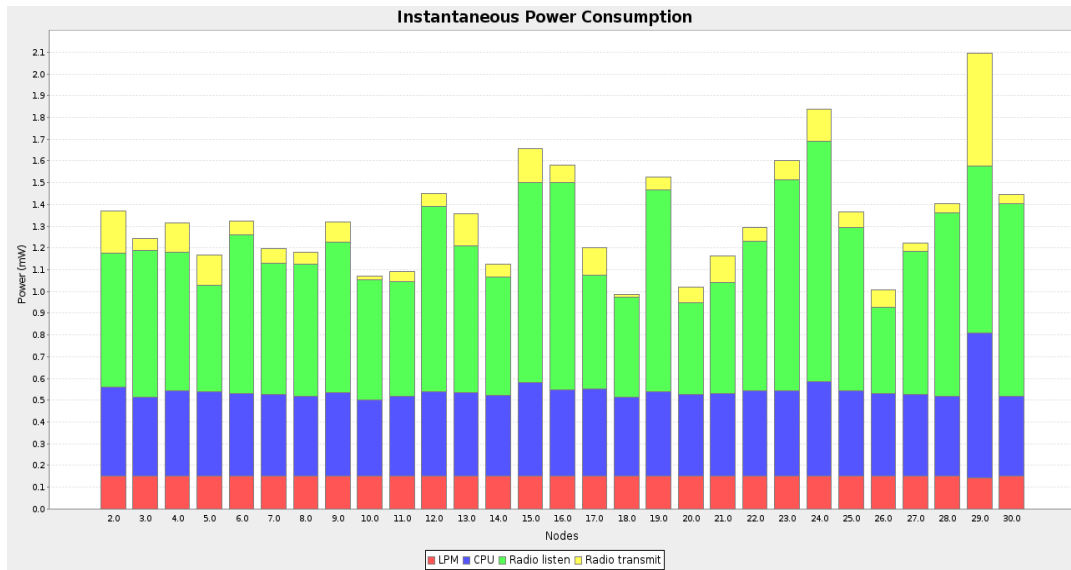
Simulations In Contiki Cooja of The Presented Scheme



(a) – Computational power consumption of 30 nodes M_1 device



(b) – Communication power consumption of 30 nodes M_2 device



(c) – Instantaneous power consumption of 30 nodes of M_2 device

Figure 7.3: Performance analysis of the presented scheme in Contiki Cooja simulator (a), (b) and (c)

Figure 7.3 (a), (b) and (c) shows performance cost analysis of the presented mutual authentication scheme in Contiki Cooja Simulator in wireless sensor network mode. The nodes are Skymotes that has almost similar hardware configuration to Arduino ATmega 2560.