













these drawbacks we have to write very optimized algorithms so that it will not get overburdened and I running state at any point in time.

#### 4. Conclusion

Proposed embedded gateway is tiny in nature and in terms of power consumption it achieves 50% saving in power and runs on battery. An additional feature of security will have 29% overheads and that enables the packet filter and gateway level security. The multichannel capability will enable a single solution for multiple protocols as well as data delivery mechanism saves the cost for multiple device requirements. Buffer management avoids the bottleneck allow the traffic to its optimum capacity. RTC is giving the time information of occurrence of an event which is missing in other systems. As everything is built on an embedded platform its inherent limitations of computing power and memory capacity are there, hence this can be integrated with medium system applications.

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