**INTERNET OF THINGS**

The rise of objects that connect themselves to the Internet - from cars to heart monitors to stoplights is unleashing a wave of new possibilities for data gathering, predictive analysis and IT automation. Internet of Things is a vision. It is being built today. The stakeholders are known, and the debates have already started.

How far will Internet of Things displace technology and justify the ethics of technology?

A normal Google search reveals that IOT (Internet of Things) is the interconnection of uniquely identifiable embedded computing devices within the existing Internet infrastructure. Put simply, IoT enables us to make better decisions. It could result in significant time savings and help curb our resource consumption. It is picking up pace and some experts suggest that consumers are starting to see the benefits of a truly connected world.

As per a recent survey and study done by Pew Research Internet Project, a large majority of the technology experts and engaged Internet users who responded—83 percent—agreed with the notion that the Internet/Cloud of Things, wearables like Google Glass and embedded tech like remote device control will have widespread and beneficial effects by 2015.

Belkin Weno, and Ambery Remote Power Switch are present day devices available that help in remote home security and monitoring. IBM announced its Bluemix Cloud Services for Internet of Things available from 21st October. This is the kind of revolutionary technology now available at lightning fast speeds to the customers for their ease of mind.

IoT is a feature that allows you to lock your door, monitor the contents of your refrigerator- all done remotely! There are Intelligent Shopping Systems, Environment Modelling, Infrastructure Management, medical and healthcare monitoring, pacemakers and heart monitors etc. Taking advantage of technology that is about to get smarter than existing technology, a whole new city has been developed Down Under (NewCastle), called 'Silicon Outback'! Forget refrigerators that text you when you're out of milk, its IoT implementation is truly useful: it controls street lighting, helps drivers find parking spaces and clues merchants into foot tracking patterns!

By pushing processing to the edge of the network, a lot less bandwidth is required; and the load on the overall computing resources is reduced. Companies such as FreeWave have been developing low cost computing platforms which have minimum impact on the environment when low power radios are used. No cellular tech, no WiFi, just an actively developing research area: and, that is the promising future of IoT.

Internet of Things will bring everyone closer by allowing intimate and quick access between friends and family. Its economic, social and scientific implications are so vast that it becomes the one thing that unites everyone and everything. The whole world will successfully be a union of people, their technology and their aspirations as a whole.