# Event report

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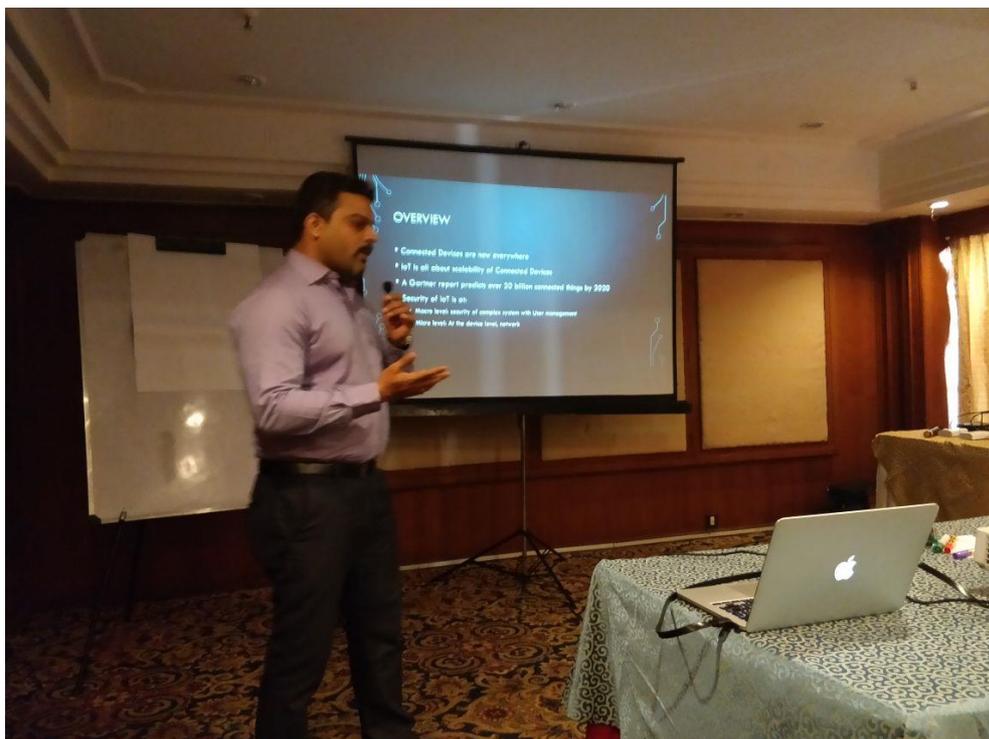Date            : 09/12/2017

Speakers *    :   1. Ramachandra Kerur , Director, Sunlux Technologies Pvt.Ltd.
                      2.  Ashutosh Srivastava , Co-Founder & CTO , Evenion Solutions
* (Detailed profiles given separately)

Venue           : The Chancery , Lavelle Road, Bangalore

## IOT Case Studies and Cyber Security

The Internet Of Things is proliferating . but , said Ashutosh , cyber security in IOT is still in its infancy.  Security guidelines in Europe and India are yet to be framed . In the US a minimum standard has been passed as recent as 2017. Starting the first talk of the evening , our expert speaker explained about possible threats ranging from eavesdropping to malicious interference . We saw that a typical IOT system consists of a mesh network of nodes made up by field devices with transmitters  connected via gateways  to servers on the cloud and with mobile and fixed terminals for user interface . Security issues need to be addressed at all points. The issues to be addressed are thinking about security right from the design stage, introducing more processing power in the field devices , migrating to protocols with robust security built into them and enhancing safety in mobile devices.

Ram Kerur took the stage next and described very interesting case studies of IOT projects successfully implemented by his company , along with Ashutosh Srivastava's company , for the Dubai international airport for the aspects of Fire system monitoring , Lighting system monitoring and Back-up Battery system management.

In response to audience questions he explained how they outfitted field equipment like DG sets and the luminaires with micro controllers to scan and provide needed data periodically. It was a challenge, he said , to establish data acquisition from sub-systems having multiple protocols and finally his company resolved it with innovative solutions on the spot , giving another feather to his company's portfolio of accomplishments.

The audience of almost 50 persons kept trooping in as the evening began and eventually we had a full house which listened raptly and interacted as well with the speakers . The participants enjoyed a sumptuous high tea and dispersed with a better understanding of these areas of technology which are going to be all around us.