

**Client**                      **In-Situ.**

**Assignment**              **Development of USB to RS485 Converter.**

### **Critical Requirement**

- Finger size converter with dimensions of 14mm x34 mm
- Port powered
- Should power external probe also
- Low power

### **Aspire's scope of work**

- Design of port powered compact size converter
- Sourcing of components
- PCB design and fabrication
- Assembly testing and delivery of required number of prototypes

### **Aspire's achievements**

While standard USB to Rs485 converters are available in market this one had two critical requirements. One was the size other was it should generate power for the external probe. The design was achieved using low power devices and compact dc-dc converter in a four layer design with components being spread on both sides of the PCB.

