



## Introduction

Slowly but surely, IoTs are becoming part and parcel of the Industries as well as personal life. As per the various Industry leading surveys, it is estimated that there will be around 50 Billion IoT devices in operations. Not only volume is mind blowing, what is more interesting is what we do of this huge data. We will surely need Machine Learning, Artificial Intelligence and other statistical methods to make sense of this data.

The Use Cases will vary for each type of applications for IoT. In case of Industrial Automations, the most important use case will be Predictive Maintenance rather than Break-Down or Preventive Maintenance to ensure maintenance costs are reduced significantly. For Urban Infrastructure, the use case can be of optimal usage of power across IoT networks or for optimal power utilization for smart homes.

IoT Analytics gets enabled for you through our IoT enabled Integrated Analytics Platform [ATHENA](#). Click the hyperlink to know more details.

## Algorithm Spectrum Overview

### Predictive Analytics

Algorithms in these categories use Engineering Basics as well probability calculations to predict the outcomes. These algorithms in Industrial Automations will be a two stage process. Applying Engineering Principles in Stage 1 and Machine Learning Algorithms in Stage 2. Examples can be predictions of a failure of a machine or possible break down of a service.

### Machine Learning

These algorithms are typically employed for complex business problems. Examples are classification using Artificial Neural Network.

### Descriptive Analytics

The set of Algorithms used are primarily used to understanding the Machine Behavior and look for patterns which are indicative of any Anomalous behavior. The simple example can be Clustering.

Visit [www.neewee.in](http://www.neewee.in) for more details

Let's Connect to discuss further  
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Neewee Analytics is an Analytics Services company based out of Bengaluru, India. Powered by an IoT Enabled Integrated Analytics Platform [ATHENA](#) with Big Data as a bedrock for Data Storage methodology, we fast track your Analytics journey from Raw Data to Predictive, Prescriptive and Descriptive Actionable Insights.

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