**Introduction- Project Brief**

Rakusens, a food manufacturing company in Leeds, is transforming its processes with AI and Big Data. In order to facilitate this, the company needs an interactive, real-time visualisation dashboard to view installed sensor temperatures in order to facilitate optimal condition maintenance, product quality improvement, and energy efficiency gain.

The system will include user login, dynamic design of the site, and an API to get temperature readings. The system will include live updating for constant monitoring, dynamic graphics, a traffic-light warning system for anomalies, and in case of company requirements in the future, quick decision-making and better control over production will be facilitated by the dashboard providing concise observations and instant feedback. Powered by a pre-trained Machine Learning model, system for anomalies detection and live updating for constant surveillance. The project is open to modular improvement possibilities of next improvements driven by artificial intelligence.