

# ARRELIC INNOVATION

## PROPOSAL FOR RESEARCH COLLABORATION



**Arrellic**  
Your Reliability Partner.

# ABOUT US

Arrelic is a deep technology firm aiming to bring the next level of IoT based sensor technology to transform the mode of manufacturing operation and maintenance practice of various industries with our extensive expertise in Reliability Engineering, Predictive Maintenance, Industries Best Practices, internet of things Sensors, and artificial intelligence

Our purpose is to help manufacturing industries to improve their overall plant productivity, reliability and minimize total production cost by 25-30% by eliminating machine downtime, lightening management decisions by analysing the machine data with right mind and expertise for a worry free operations



## OUR PRODUCTS AND SERVICES

- IOT SENSORS AND ANALYTICS
- PREDICTIVE MAINTENANCE
- CONSULTING SERVICES
- TRAINING & DEVELOPMENT







## ARRELIC INNOVATION CENTER

The Arrellic Innovation Center is a platform for industry-academics collaborative effort, concentrated on research, development and shared learning. It is also working with various R&D centers of premier Institutes, Professors, Industry professionals and end users for rapid development of IoT devices, analytics platforms and redefining the consulting services in most affordable way.



**CREATIVE**



**VALORISATION**



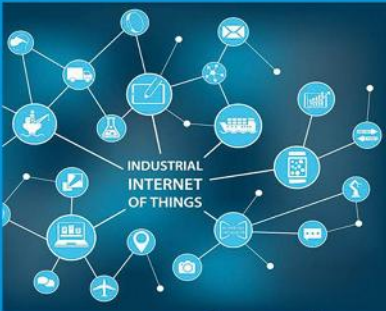
**COLLABORATION**



**EXPERIMENTATION**



# OUR CURRENT RESEARCH



## INDUSTRIAL IOT

Developing new sensors and technologies to solve the problems being faced by industries at present.

**MACHINE ANALYTICS**  
Analyzing real-time data and information processing as well as leveraging artificial Intelligence capabilities to provide predictive services.



## WEARABLE DEVICES

These worn objects are enabled with mobile computing turning them into connected devices that can provide monitoring,

**AGICULTURE**  
Developing high-precision crop control, useful data collection, automated farming techniques, to enhance productivity





# PURPOSE

## CONNECT

Find people with right mindset for innovating and combining people with different approach to innovation. Ensuring a mix of people with different skill set and expertise.

## ENGAGE

Define network goals, objectives as well as target by mentioning clear expectations. Establish trust among network members and engage them into their respective domains quickly.

## MANAGE

Establish performance management criteria based on individual as well as group performance. Define responsibilities and ensure output matches expectations

## SUPPORT

Create a strong network of sponsors and ensure proper leadership. Determining the technology support required for network membership. Determine key knowledge and information input from internal and external sources.

CONNECT

ENGAGE

MANAGE

SUPPORT





# BENEFITS

Foster skill development, research collaboration, and innovation with Arrelic. Set the ground for long term Academic Institute-Industry partnerships in the IoT area.

Provide industrial environments for applied and problem-based research activities.

Provide basic, advanced and expert insights to the students on IoT and it's scope in Predictive Maintenance

Enable faculty members to get familiarized on .concepts of IOT based predictive maintenance





# ROLES

Setting up a lab and developing a courseware in consultation with Arrelic.

Provide competent & adequate facilities for domain training.

Allow students and faculties to carry out research and development activities.

Provide Technical staff for support and maintenance of Labs.

Give strategic advice to research teams

Make Industry visit arrangement for student for better grasp of the problem

Provide industry specific problem statement

Assist in procurement of sensors for prototype development

Provide data storage and cloud support platform



**BOTH ARRELIC AND THE INSTITUTE SHALL HAVE THE RIGHT OVER THE PATENT OR PRODUCT DEVELOPED**







## Arrelic Reliability Private Limited



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