openSAP

SAP LEONARDO IOT FOR THE INTELLIGENT ENTERPRISE

OPTIONAL IDEATION CHALLENGE

TEMPLATE FOR
SUBMISSION REQUIREMENTS

Template Description

This is a template that can be used for the optional Ideation Challenge included as part of the openSAP course "SAP Leonardo IoT for the Intelligent Enterprise."

Idea Story

Make a case and tell your story.

How to write a story about your idea

First, come up with an Internet of Things (IoT) idea for a scenario or use case that you know or are interested in. Then, iterate and refine this initial IoT idea, and always keep in the back of your mind these two questions:

- "What am I trying to accomplish with this IoT idea?"
- "Can I explain clearly the context and need for this IoT idea in two minutes or with just a few paragraphs?"

Write out the story behind your IoT idea and try to keep it to a few paragraphs, with the entire submission being two pages or less. Be sure to follow the submission requirements listed on the ideation section of the course website and answer the following questions as part of your submission:

- "What industry or which category of IoT does this idea fall under specifically?" Agriculture, Energy & Resources, Facility Management, Health & Medicine, Manufacturing, Retail and Hospitality, or Transportation.
- "How does this idea clearly and credibly support the Intelligent Enterprise?"
- "How does this idea improve business outcomes?"
- "What is an example of quantifiable business impact as an outcome that could be expected as a result of this idea?"

Get Feedback

To the extent possible, consider sharing this short story with one or more friends who are unfamiliar with the specifics of this idea and who are also unfamiliar with IoT. Get their feedback and refine your story so that it's more easily understood without any prerequisite knowledge. It should be a self-contained narrative free from esoteric references or unexplained acronyms. If this initial story is coherent and easy to understand, it will effectively set the stage for you to receive quality feedback from your peers and iterate again.

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Industry: **Transportation**

Story

Achieving Sustainability in Transportation through Technology (IoT)

Taking further UN SDG's 2030 agenda to achieve one of the main goals of 'Sustainable Cities' with the help of Technology using sensors/IoT model and targeting the Automobile /Transportation industry being one of the leading carbon emitting sources on the planet.

An affected region is chosen for IoT Project

Satellite view showing impact of industrialization and urbanization in world's 9 largest cities / densely populated regions

Core Idea is to bridge the gap and establish collaboration/platform among all stake holders including Government, Auto makers, Corporations/Tech. providers and communities using IoT tools to measure the carbon footprint from automobiles and also enable/incentivize communities towards regular vehicle check-ups with ease so that they can gradually help reducing the exceeding amount of carbon emitting through regular / non-maintained vehicles causing various EHS (environment, health and safety) hazards to the eco-system.

Initial target is to reduce carbon emission through small-medium scale autos as they constitute around 70-75% of the total vehicles and responsible for almost 85% of the carbon emission through autos in the region.

Sensors to be placed inside vehicles connected with digital core/common platform for real time alerts/analytics to monitor excess carbon emission and for subsequent action. To encourage communities those who comply to be incentivized in the form of perks and GOOD ratings for their vehicles and vice versa.

Presenting below the potential impact of technology (IoT) in controlling carbon footprint at micro and macro level in a short to medium term time frame.

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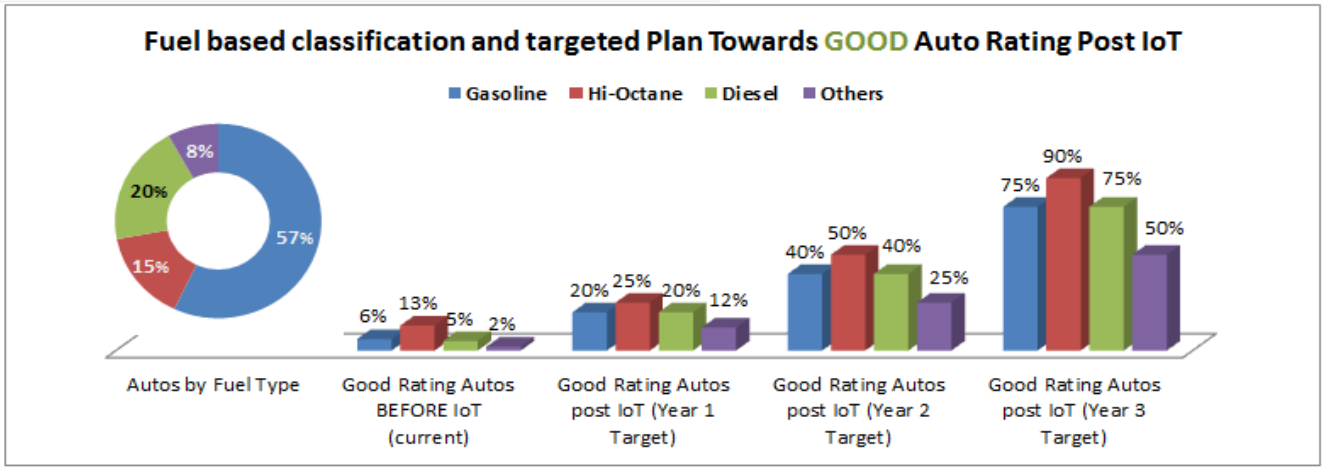
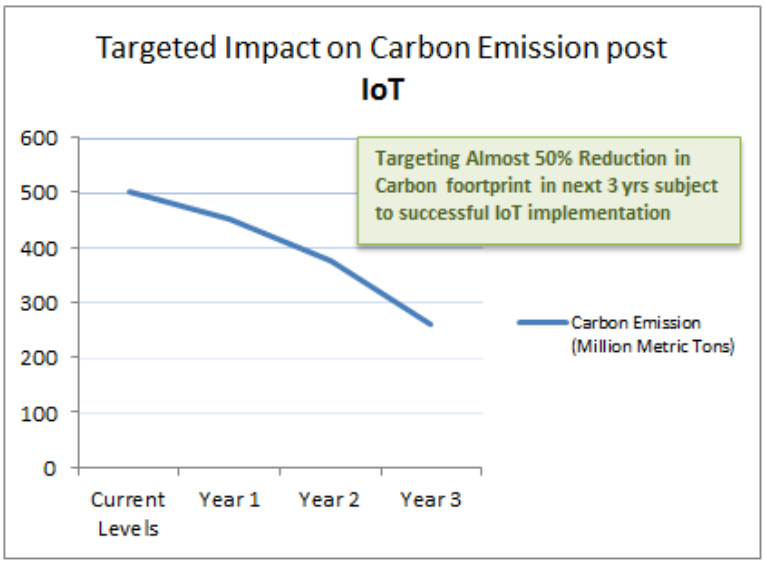
End-User Experience Journey & Impact @ Micro Level

End-user driving sensor based auto	End-user get carbon emission notifications through sms /app when it falls below the standard mark	End-user go to pitshop for getting the tuning/maintenance done	After maintenance the auto receives maintenance certificate. End-user gets a confirmation message from pit shop (connected to the same central system)and a copy of pitshop message also goes to relevant authorities for record / Big Data analytics.	End-user receives certain incentives such as: - Authorities issue good Auto rating /tagging for the auto to spread the word/ to encourage others. - Various reward points/discounts by auto maker/environmental agencies - Socially more responsible - An overall feel good effect - Sustainability ambassador

Forecasted Macro Impact @ Regional Level





+ve Impact on regional climate change

+ve Impact on lives of people & overall ecosystem

+ve Impact on fuel economy for autos due to timely check-up.

+ve impact on region forex reserve and import bill

Many fold increase in production of sensors generating economic activity

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