# Hackathon - GreenSpark

Environment, Social, Governance (ESG) are rightfully getting attention in recent times as our planet fights climate change and resource depletion. One of the key issues information technologies can solve is - making the right ESG data available for organizations to make the right decisions balancing profit, people and planet. GreenSpark is an opportunity to shift your focus, learn a new technology, expand your network, work with leaders and help position Kyndryl as a pioneer. Come forward with your ideas and sketch the future of responsible computing.

## Hackathon Themes

Participants should make themselves familiar with existing offerings and developments available in kyndryl and with our partners. The solutions could be leveraged for inspiration or as a basis for building enhancements or integrations. Ideas could further be technology solutions and/or about behavior/practices that promote good ESG practices. All ideas should be in sync with these criteria which is common for all themes.

- Power source (green vs conventional)
- Efficiency of power source/distribution
- Green House gases emission
- Waste management
- Water management
- Aligned to Bridge/kyndryl strategy

## GreenSpark 2024

### Theme 1
Create a solution to measure the ESG of the software we are building to enable developers to write more efficient code. This capability can be easily integrated into the CI/CD pipeline to continuously measure and reduce the environmental impact of our code.

### Theme 2
A common pluggable framework to be able to pull the ESG information from different 3rd party technologies ( VMware, hyperscalers, etc..) into common data lake ( Bridge) and make it available for insights.

### Theme 3
Ability to provide ESG insights to allow users to see the emission status /predictions around the Kyndryl services consumed (people & technology) by customers.

### Theme 4
Create a sustainability or GHG emissions rating of our services, in the Kyndryl Bridge Marketplace enabling users to understand the environmental impact of deploying any Kyndryl service.

Please check the following existing offering or solutions or assets
- Kyndryl_Sustainability_Advisor_Solution Overview - v2.5 (1).pptx
- Sustainability Operations (sharepoint.com)
- Digital Workplace Services - Global Marketing - Home (sharepoint.com)
- Environmental Sustainability - Home (sharepoint.com)
- 04 Drive market differentiation leveraging business practices with partners (sharepoint.com)

Assests from Modern ops in these areas:

- Which is the most efficient data center
- Car emission sensor (use case for law enforcement, vehicle service reminder etc.)
- Which HVAC to switch on / off in the data center based on the heat map (IOT sensors for humidity, ventilation etc. provide inputs)

**Click Here to Submit Your Idea**

**Winning Criteria**

**Business Value**

How significant and relevant is the problem that the solution is trying to solve? Does that problem affect a market that we know and understand? Does the solution pull from the expertise of more than just one of Kyndryl's practice areas and aligned to Kyndryl Strategies? And does the solution provide automation or other capabilities that drive business value?

**Level Of innovation (Novelty)**

Does the team show expertise and awareness of the competitive space in order to position the proposed solution effectively?  Does the team solve the problem more effectively (e.g. through automation or Gen AI) than other solutions in the market?  And if this is a net new solution, does the team effectively convey why this solution is a necessary new solution for the market?

**Realistic Capability / Feasibility**

Which teams built working solutions? What gets done in the space of a hackathon is a decent indication of the dependencies and level of effort that would be required to put the technology into production (PoC/working Demo). Has the team effectively identified dependencies necessary to bring an MVP solution to market? Have they proposed a clear timeline for delivering this MVP?

**New Skills or Tools or Technology**

Has the team taken advantage of new technologies, processes or skills that will help position the solution as unique and market differentiating.  If so, why is this new tech better than other solutions in the market?

**Teamwork & Presentation**

Is the team comprised of a diverse group of people with a minimum of 2 resources from each Practices/Guilds/Professions, while also representing the necessary skillsets (e.g. development, design, product management, etc.) to solve the problem?  And is the solution expressed through cohesive and compelling storytelling  that expresses the superior value of all the capabilities that Kyndryl can bring?

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## Hackathon 2024 – FAQ's (Frequently Asked Questions)

**Q. What is the intent of this Hackathon?**
Pilot program to demonstrate the benefits of the cross profession/guild collaboration hub. The collaboration hub incorporates the following initiatives like Innovation program, Internal/External conferences, Hackathons, Co creation projects and Brown bag sessions. Hackathon is a great way to bring people together to help solve some of the pressing problems that we have around ESG

**Q. Which team/practices can participate in this Hackathon?**
This Hackathon is for all Kyndryl employees.

**Q. What are the themes and domains the Hackathon focuses on?**
The Hackathon will focus on ideas in below mentioned domains.

1. Ability to measure the $CO_2$ emission of the software we are building to help developers. This module can go into CI/CD pipeline to continuously measure and make more ESG friendly.
2. A common pluggable framework to be able to pull the ESG information from different 3*rd* party technologies ( vmware, hyperscalers, etc..) into common data lake ( Bridge) and make it available for insights.
3. A sustainability rating or GHG emissions rating for our offerings in Bridge Marketplace based on scope would be my vote. Focus on the external way people buy what we sell top-down rather than bottom up

**Q. How to reach the organizing team for any help or queries?**
Please drop an email to **agilandeswari.kannan@kyndryl.com** for any queries or assistance you need while participating in the Hackathon.

**Q. Is there any specific guideline for team formation?**
**Yes.** Team formation must follow the below guidelines.

- Maximum of 10 participants
- 6-10 Members (Product Owner, Developer, Quality Analyst, Architect, Manager, DevOps etc). Diverse Teams and Skills.
- Name your team & identify a team leader within the team.

**Q. Is it mandatory that the team is heterogenous and must have 10 members in the team?**
No, however, a complete 10 member team which is heterogenous in nature gets additional marks, because "cross practice collaboration" is one of the objectives of the Hackathon and also an assessment criterion.

**Q. Where can I get the complete details along with the status of the Hackathon?**

Please visit the SharePoint site for complete information about the Hackathon and its progress.
GreenSpark - Innovate for sustainable technological future

**Q. How do I submit an idea?**
Please use the form link below to submit the idea. Ensure to follow the instructions given in the SharePoint site.

**Q. Is there any financial reward for the Hackathon winners?**
**Yes**. There is financial reward for top three winning teams. Also, selected ideas will get the platform and sponsorship to get their ideas executed. Please visit the SharePoint site for more information.

**Q.How do I get to be part of the Hcakathon group and get all necessary information?**
Please join the hackathon Teams channel

**Q. Can contractors be part of this Hackathon?**
**Yes**. Please try to include regular employees also as part of your team.

**Q. Will we get any database/sample data or software to work on the prototype?**
No

- Win exciting cash prizes and be recognized throughout Kyndryl.
- Selected ideas will get the platform and sponsorship to get their ideas executed.