



## ❖ What are SDGs?

- SDG's stands for **Sustainable Development Goals**. These are a set of 17 global goals adopted by all United Nations Member States in 2015 as part of the 2030 Agenda for Sustainable Development. The SDGs are designed to address various global challenges and promote sustainable development across economic, social, and environmental dimensions.

The **17 SDGs** are:

1. No Poverty
2. Zero Hunger
3. Good Health and Well-being
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry, Innovation, and Infrastructure
10. Reduced Inequality
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace, Justice, and Strong Institutions
17. Partnerships for the Goals



## ❖ What is Eco-Engineer Challenge?

- The "EcoEngineer Challenge" is a 17-week sustainable project initiative specifically tailored for engineers. In this challenge, participants focus on addressing the United Nations Sustainable Development Goals (SDGs) through a series of weekly projects. Each week, a different SDG is targeted, and participants work on sustainable solutions relevant to that specific goal Designed by **Moutasim Qazi**. The goal is to inspire and engage engineers in contributing to global sustainability efforts, one project at a time.

**Rules are:**

1. **Project Domain Requirement:**
  - At least 10 out of the 17 projects must be directly related to your main domain of expertise as an engineer.
2. **Hardware Projects:**
  - A minimum of 2 projects must involve the use of hardware components. This could include designing and building physical prototypes or incorporating sensors and devices.
3. **Web Development Limit:**
  - No more than 3 projects should be related to web development. This encourages diversity in project types.
4. **Budget Constraint:**
  - Participants must strive to keep the budget as low as possible for each project, promoting resourcefulness and cost-effective solutions.
5. **Incorporation of AI & ML:**
  - All projects must integrate new technologies, with a focus on using Artificial Intelligence (AI) and Machine Learning (ML) in at least one project.

6. **Weekly Updates on LinkedIn:**
  - Participants are required to provide weekly updates on their LinkedIn profiles, sharing progress, challenges faced, and any notable achievements or insights gained during that week.
7. **Code Repository on GitHub:**
  - The entire codebase for each project must be uploaded to a personal GitHub repository. This ensures transparency, knowledge sharing, and the ability for others to learn from and potentially contribute to the projects.
8. **Unique Project Ideas:**
  - Each project idea must be unique, encouraging participants to explore innovative and original solutions to sustainability challenges.
9. **Solo Participation:**
  - The challenge is designed for solo participation. However, participants are allowed to seek advice or collaborate with others for specific tasks or challenges.
10. **Help from Others:**
  - Participants can ask for help from others, fostering a collaborative environment. This could include seeking advice, feedback, or assistance on specific aspects of a project.

Thanks

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