

# IEEE CIS Student Branch Chapter - GHRCE SBC62361B

## Start-O-thon Problem Statement(s) | Page 1/3

Dear Participants,

This document consists of themes for Start-O-Thon by IEEE CIS-SBC GHRCE.

### **How to Choose a Theme?**

Decide your area of interest and jump on to that section. There are namely 8 domains identified for you: Healthcare, Sustainable Development, Agriculture, Transportation, Education, Retail Management, Cyber Security/Block Chain and Cryptography and Out of the Box.

**What is next?** Once you have decided the theme, give title to your project. Once done, register your team using the following link:

Good Luck!

Regards!

Team Start-O-Thon

IEEE CIS SBC – GHRCE (62361B)

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Domain	Problem ID	Themes
Agriculture	A-01	Agroecological Approach (Integrated farming, Organic Farming, Agroforestry, Biodynamic Farming)
Agriculture	A-02	Soil Management (Drainage, Type and texture, Cultivation)
Agriculture	A-03	Weeds and Pests
Agriculture	A-04	Livestock Husbandry
Healthcare	H-01	covid
Healthcare	H-02	Elderly care system
Healthcare	H-03	Seizure alert system
Healthcare	H-04	Smart clothes for blood pressure ppl.
Healthcare	H-05	Public transportation
Healthcare	H-06	Sanitation
Sustainable development	S-01	Paperless Office
Sustainable development	S-02	Geothermal developer
Sustainable development	S-03	Recycle tech
Transportation	T-01	Parking spots finder
Transportation	T-02	Pedestrian safety
Transportation	T-03	Vehicle safety
Education	E-01	Raise classroom behavior issues in real-time
Education	E-02	Course and university finder

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## Start-O-thon Problem Statement(s) | Page 3/3

Domain	Problem Id	Themes
Education	E-03	Smart Tutor
Education	E-04	Apps That Aid College Students
Retail Management	R-01	Digital Shopping Performance
Retail Management	R-02	Product QR Codes
Retail Management	R-03	AR/VR
Cyber Security/Block Chain and Cryptography	CBC-1	Fake Product Identification System
Cyber Security/Block Chain and Cryptography	CBC-2	Blockchain-Based Voting System.
Cyber Security/Block Chain and Cryptography	CBC-3	Secure processor technology
Cyber Security/Block Chain and Cryptography	CBC-4	Post-quantum cryptography
Cyber Security/Block Chain and Cryptography	CBC-5	Blockchain-based Patient Data Management System
Out of the box	OB	

**Note:\*** Participants are free to choose different themes from a specific domain other than specified in the above table.