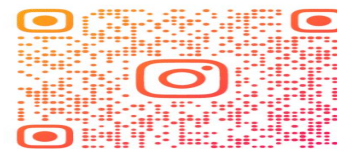# TECHNICAL QUIZ

Organized by:

SONIC

Technical Club RECM

📅 24 May 2024

📍 Seminal Hall

@SONICTECHCLUB_RECM

Introduction

- There should be 4 members in each team.
- There will be 2 rounds in the quiz:
  - Round 1: Elimination round
  - Round 2: Final round

Round 1 – Elimination Round

- There will be 15 MCQ Questions for all teams.
- Selected top 5 teams will be promoted for the 2nd round.
- 30 seconds will be allotted for each question.
- Marking:
    +4 for right answer. o -1 for wrong answer.
     0 marks for no answer.

Round 2: Final Round

- This round will be oral.
- 5 Questions will be asked to each team.
- Marking:
  - +10 for right answer.
  - -4 for wrong answer.
  - 0 marks for no answer.
- 45 seconds will be allotted for each new question in this round.

Extra Questions…

1. What is the primary function of a firewall?

A) Encrypt data
B) Prevent unauthorized access
C) Backup data
D) Monitor network traffic

2. Which of the following is an open-source operating system?

A) Windows
B) macOS
C) Linux
D) Android

3. What is part of a database that holds only one type of information?

a) Field
b) Report
c) Record
d) File

4. The first high-level programming language, created in 1950s, is:

A. COBOL
B. FORTRAN
C. BASIC
D. C

5. Which programming language is primarily used for developing Android applications?

A) Swift
B) Kotlin
C) JavaScript
D) Ruby

6. What does HTTPS stand for?

A) Hyper Text Transfer Protocol Secure
B) Hyper Text Transfer Protocol Standard
C) Hyper Text Transfer Protocol Simple
D) Hyper Text Transfer Protocol Service

7. What is the main advantage of using a hash table?

A) It sorts data
B) It stores data in order
C) It allows fast data retrieval
D) It uses less memory

8. What is the device used to measure rotational speed called?

A) Barometer
B) Tachometer
C) Speedometer
D) Anemometer

9. What is the method used to find the internal forces and moments in structures?

A) Analysis
B) Design
C) Simulation
D) Fabrication

10. What was the name of the first artificial satellite launched into space by the Soviet Union in 1957?

A) Apollo 11
B) Voyager 1
C) Sputnik 1
D) Hubble Space Telescope

11. Who developed the first algorithm intended to be processed by a machine, making her one of the first computer programmers?

A) Grace Hopper
B) Ada Lovelace
C) Alan Turing
D) John von Neumann

12. The term PLC stands for:

a) Programmable Lift Computer
b) Program List Control
c) Programmable Logic Controller
d) Piezo Lamp Connector

13. Three types of lasers are:

a) Gas, metal vapor, rock
b) Pointer, diode, CD
c) Diode, inverted, pointer
d) Gas, solid state, diode