National ICT OLYMPIAD 2025

Date: 14th February, 2025
Location: To be decided (Suggested venues provided in the proposal)

Project Description:
The "National ICT Olympiad 2025" is a nationwide event aimed at fostering innovation, creativity, and technological advancement among students. The competition will engage participants in hands-on robotics and app development challenges, split into two age groups: Junior (school level) and Senior (university level). The event will culminate in a prize-giving ceremony celebrating the winners' achievements.

Timeline:
February 14, 2025: Publishing of App Hackathon problems
February 15, 2025:
  - Morning: Robotics competitions (Junior and Senior)
  - Afternoon: App Hackathon presentations and Project Showcasing
  - Evening: Prize-giving ceremony

Categories:

Junior Group
1. Robo Soccer: Teams will build and program robots to play soccer, competing against other teams in a game format.
For reference: ▶ Soccer Bot Competition | EEE DAY | KUET | Final Match | El Classico | In…

2. Line Follower Robot: Participants must create robots capable of following a predetermined path as accurately and quickly as possible.
For reference: ▶ Line Follower Robot Competition 2024 | Fast LFR Competition in Bangladesh

Senior Group
1. Drone Race: Teams will build and program drones to play drone race, competing against other teams in a game format.
For reference: ▶ 2023 FAI World Drone Racing Championship

2. Project Showcasing: Participants will present innovative projects related to robotics, AI, automation, and more. Judging will focus on creativity, problem-solving, and technical proficiency. This section is open for all groups of the students.

App Hackathon:

Participants will address one of ten published problems related to real-world issues, such as road accident prevention or healthcare. Teams will have two days to develop an app, with a presentation of their solution on December 21. Each presentation will be limited to 5 minutes, showcasing the problem, solution, and app functionality. The problems will be published on the website on 19th December, 2024 at 12 am. However, the participants have to register before 19th December. Participants can participate as a team or individuals. Each team can have not more than 5 members.

For reference: ▶ ১৮৫ দেশের সঙ্গে লড়বে দেশের তরুণরা! | NASA Space Apps Challenge | Ekhon TV

Prize Pool:
- **Junior Group:**
  - Robo Soccer:
    - 1st Prize: 30,000 BDT
    - 2nd Prize: 20,000 BDT
    - 3rd Prize: 10,000 BDT
  - Line Follower Robot:
    - 1st Prize: 20,000 BDT
    - 2nd Prize: 12,000 BDT
    - 3rd Prize: 8,000 BDT

Total - 100,000 BDT

- **Senior Group:**
  - Drone Race Competition:
    - 1st Prize: 100,000 BDT
    - 2nd Prize: 70,000 BDT
    - 3rd Prize: 50,000 BDT
  - Project Showcasing:
    - 1st Prize: 100,000 BDT
    - 2nd Prize: 70,000 BDT
    - 3rd Prize: 50,000 BDT
- App Hackathon:
  - 1st Prize: 70,000 BDT
  - 2nd Prize: 50,000 BDT
  - 3rd Prize: 30,000 BDT

Total 590,000 BDT

Total Prize Pool: **590,000 BDT**

Judging Process(only for App Hackathon and Project Showcasing):
Judging will be based on the following criteria:
- Innovation & Creativity (30%)
- Technical Execution (30%)
- Presentation & Communication (20%)
- Relevance to Real-World Problems (20%)

Judging Panel:
The judging panel will consist of:
- **Professors** from leading universities in Bangladesh in the fields of Robotics, Engineering, and Computer Science
- **Industry Experts** specializing in automation, AI, and software development
- **Representatives** from sponsor organizations

Venue Options:
- International Convention City Bashundhara (ICCB)
- Bangladesh-China Friendship Exhibition Center

Total Estimated Cost
- Venue Rental: 250,000 BDT
- Marketing & Promotion: 250,000 BDT
- Technical Setup (Robotics arena, AV equipment, etc: 100,000 BDT
- Prizes: 590,000 BDT
- Refreshments: 100,000 BDT
- Miscellaneous (volunteers, decorations, etc: 100,000 BDT)

Total Estimated Cost: **1,390,000 BDT**

Conclusion:
The ICT Olympiad 2025 will serve as a platform for students across Bangladesh to showcase their talents, solve real-world problems, and contribute to technological innovation. With a strong judging panel, attractive prize pool, and an engaging event schedule, it promises to be a landmark competition in the robotics and app development community.

This proposal can be further customized to meet specific requirements or include additional details based on your vision for the event!