NATIONAL UNIVERSITY

FCAP

Fast Club of App Development and Programming

Daira 2022 – Events Proposal

Mentor: Mr. Rizwan ul Haq

Technical Event Head: Samman Nasir

Fast Club of App Development and Programming (FCAP) is a society of FAST University CFD Campus that holds the liability of major technical events and skill-bound activities within the campus. FCAP has organized multiple successful technical events every year since the start of the university in 2012. These events have included Speed Programming, Battle 1o1, Blind Coding etc. and have focused on the technical skills of the students at university. This time at the annual event of *Daira* 2022, FCAP would like to propose the conduction of following technical events,

Events Proposed

1. Speed Programming

Speed Programming is the flagship event of FCAP. It's the race against the time, in which teams of participants will be competing against each other to solve programming problems within the time and memory constraints. Team with the best solutions provided in the best time will be the winners.

Event Head: Syed Zainullah Qazi,

Rules and Regulations

i. It will be a **Group** competition with every team consisting of minimum two and maximum three members.
ii. Competition will take place on an online platform (Hacker Rank) where you will be given a set of Programming Questions that you will have to solve within the competition time.
iii. You will be allowed to use C++, Python or C Language. Questions attempted in any other programming language will not be accepted.
iv. You will have access to Internet however you are not allowed to open any website other than the Hacker Rank. If found doing any such thing, you will be disqualified right away.
v. Use of mobile phones is prohibited.
vi. You will be provided with an empty sheet for any rough work.
vii. If any team is found doing cheating, it will be disqualified right away.
viii. The FAST NUCES administration reserve the right to disqualify any team or member in case of any misconduct.

2. Typing Competition

No coding can be done without typing. Typing Competition will be focusing on the speed and accuracy of the fingers of participants. Winner will be decided based upon the number of words they are able to type in a given time constraint, with least number of errors made while typing.

Event Head: Haroon Ali

Rules and Regulations

i. It will be an **Individual** Competition.
ii. Competition will take place on an online platform, which will be revealed on the day of competition.
iii. You will be given a set of most used English words and you will have to type maximum words you can type within the time limit of one minute.
iv. You will be allowed two attempts in total. The best of the two scores will be considered your final score.
v. You are allowed to use your own Laptop, however, do make sure that your internet is working before starting the competition.
vi. You are allowed to bring in your own Keyboard, but Mechanical Keyboards are not allowed.
vii. If any participant is found doing cheating, he/she will be disqualified right away.
viii. The FAST NUCES administration reserve the right to disqualify any participant in case of any misconduct.

3. Blind Coding

Doing coding is easy for any Computer Science student. Blind Coding, however, is a unique competition that requires you to code the solution to problems while your screen is black, and you are not able to see what you are typing.

Event Head: Ahzam

Rules and Regulations

i. It will be an **Individual** Competition.
ii. A set of questions will be given to you in printed form. The questions will be from the very basic Programming Fundamentals concept
iii. You will code on a Notepad and your screen will be switched off. Use of Compiler or any Code Editor such as VS Code is not allowed and will result in disqualification.
iv. You are not allowed to do any paperwork (either on some rough page or on the question paper)
v. You may code in only three languages, Java, C++, and C#. All the other languages are not allowed for the competition.
vi. You will be given a total 40 minutes to complete all your codes.
vii. Use of mobile phone, any helping material, or electronic devices other than your laptop will result in disqualification.
viii. If any participant is found doing cheating, he/she will be disqualified right away.
ix. The FAST NUCES administration reserve the right to disqualify any participant in case of any misconduct.

4. Code Debug

Writing code that works perfectly on unseen data is difficult, even for experts. Code Debug will test your debugging skills. Competition will consist of a set of algorithmic and debugging problems which must be solved in a fixed amount of time.

Event Head: Adil

Rules and Regulations

   i.   It will be an **Individual** Competition.

  ii.   Since it is a debugging contest, so participants can not write their own code.

 iii.   You must find out the logical error in the provided code for each problem and resolve it.

 iv.   Language allowed for this competition will only be C++.

  v.   You may participate in this competition even if you are not an expert in C++, because the problems will not include any syntax-related errors but only logical errors.

 vi.   Each program code will be tested on our test input that will not be revealed; therefore, your solution must be generic.

 vii.   If any participant is found doing cheating, he/she will be disqualified right away.

viii.   The FAST NUCES administration reserve the right to disqualify any participant in case of any misconduct.

Society Mentor: _____   Society President: _____

Student Affair Manager: _____   Director: _____

Dated: _____