**CODE CRUNCH GRADING CRITERIA**

All programs will be graded out of maximum 100 marks.

**Program Design** (25)

This criteria will score the program based on how well the solution is planned depending on the problem description. The logic that the programmer uses to achieve the solution will be assessed.

**Program Execution(20)**

The program should execute for maximum possible number of test cases specified to the examiner. There should be no compilation or execution errors and it should provide the desired output specified by the problem description.

**Problem Specification Satisfaction**(25)

This criteria will test the program on whether it incorporates all the aspects specified in the problem description.

**Coding Style**(20)

The code should be easily understandable and well formatted. The programming constructs of the specified language should be appropriately implemented.

**Comments**(5)

The program should be well commented. The comments should be well formatted and meaningful. Unnecessary comments would also be discouraged.

Rules for code crunch

1. A team must consist of 2 participants and each member should belong to the same college
2. Each team should have a unique team name
3. Every team should carry their own laptops
4. The competition will consist of 3 rounds, Each round will have its own judging criteria which is as follows
5. Round 1:- This will consist of an MCQ round. Here a sheet of paper will be handed to each team where they will tick the right answers each question will carry 1 point each and there will be no negative marking. The questions will be based on programming languages and paradigms, also on some object oriented capabilities of some programming language. The MCQ will be time based and answer sheets will be collected at the end of the time allotted even if the MCQ isn’t answered fully. The teams that qualify will proceed to the next round. Only 4 teams move on to the next round.
6. Round 2:- This round will consist of 3-4 coding questions which will be evaluated by the means of “automatic judging” which is a software which will evaluate the programs based on the test cases set by the judges. Questions will be judged on execution time, efficiency and how many test cases it has passed. This round will be time based and at the end of the allotted time the team with the highest score will proceed to the next round. Two teams will proceed to the next round.
7. Round 3:- This round will consist of another MCQ and coding. Team which gets the highest score wins.