**National College of Computer Studies**

**Paknajol, Kathmandu**

**Proposal Statement**

**Submitted by:                                                Submitted to:**

Swarup Dahal Dinesh Maharjan

Program: Bsc.CSIT 2nd Semester           NCCS

Roll. No: 22

Email: swarupdahal17@gmail.com

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**Introduction**

This project is a C++ program that allows us to create cricket score sheet system. It allows users to record the cricket team name and their player’s name. It also helps to record the run scored by batsman and over done by bowlers. This program also allow users to check total run scored by any player and any team. This program can record the score of any format of cricket. This program can hold the individual record of every match and performance of every player. This program will give option to choose the format on which cricket will be played.

**Problem Statement**

The problem is to develop a program in C++ that allows to record the score in cricket. The program should allow the players to enter their total run, wickets taken and allow to see their and their team performance. The program must be able to accurately determine the score based on the run scored by players, wicket taken by players, total numbers of over played, and total run and performance of every team.

**Solution**

The project will create a cricket score sheet system using C++ and an object-oriented programming approach. The score sheet consist of name of team, number of overs played, name of players of each team, run scored by player, over done by any bowler and number of wicket taken by bowler and it also count extra runs which are given through bye, leg bye, wide, no ball etc. The score sheet will be programmed to keep the score of every match played. This program will display the total records of a match at the end of the program. But the score, name of players, number of players, run scored by players, numbers of over played should be given by the user.

**Objective**

The objective of this program to allow users to see total run scored by two teams and determine the winner of the match. This program also helps to check the individual record of players in a match and a team performance.

**Tools Used**

The tools used for this project is text editor called Visual Studio Code by Microsoft with MinGW compiler to compile the code.

**Expected Outcome**

The expected outcome that the program can accept the input of score given by the user and it can display that score. The program can accept the name of two teams and the list of 11 players from each team and it can record the total runs of team, run scored by individual player and over bowled by individual player. And the program helps to determine the winner of the match by comparing respective run scored by each team