TEAM   DIARY

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- 17th November –We started the stage two work for the project submission which extended upon the ideas of making an advanced scientific calculator. We made improvements in the cubic equation code .We also searched a lot about how to link fparser.hh library to our program .We were not able to succeed a little bit also.

- 18th November –Finally rudrajit found a link in previous projects on fparser.hh.We downloaded the link but again we were not able link the header files in fparser package to our program .In the meanwhile our partner satyam made the main menu screen in simple cpp.Our main concern now was parser .

- 19th November-Finally we found a mathematical parser program in previous year project .We decided to make our own parser program using their concept only. One of our friends agrim gupta helped us in making the grapher program on canvas in simple cpp which was a great help .Then we modified the grapher code for different functions just to see how it works .Finally there were glitches in the parser for multiplication of 2 functions and negative powers .

- 20th November –To remove the glitches in the parser function we modified the code to a great extent which created many errors. The parser was working perfectly when linked with other codes like grapher, cubic eqn. solver but could not compute some type of

functions .At the end of the day we also faced a problem of a ghost file which was time consuming to remove.

- 21st November- Finally we decided to use the parser program from previous year project as our parser program did not work out properly at all. Rahul modified the parser function to include more types of functions like square root, negative powers .We also completed our main menu program with graphics and all. We linked the parser to all our programs .But faced glitches in differentiator and integrator due to precision.

- 22nd November-Suddenly on this day our parser function started working properly we had made silly mistakes in coding of it which was causing all the fuzz.So finally we created the perfect parser on our own .Using this parser we were able to read many many more different types of functions.

- 23rd November –Rahul made the menu and linked all the functions that we made to the menu. We also linked the improved parser to all the functions that we had created .Then we had a problem in graph plotter that related to linking it with the menu .We had to borrow a code for this from a friend So that we could take input /output on the canvas window itself.