**ELC-2022**

**Real-Time Applications Based On Computer Vision**

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| ***Name*** | **Roll No.** | **Sub Group** | **Contribution** |
| Bhumika Goyal | 102103096 | 2CO4 | Contributed in converting the cartoon converter into real time webcam running module |
| Bawandeep Singh Saimbi | 102103101 | 2CO4 | Contributed in making of cartoon converter |
| Ajay Raj Singh | 102103102 | 2CO4 | Contributed in converting the cartoon converter into real time webcam running module |
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***List of Helper Functions(python libraries) Used:***

* Numpy
* Scipy
* Tats
* Defaultdict
* Caart

The program is created in python with the help of open CV . This is a dual functioning Program the first program(cartoonize.py) converts and given image(original2.jpg) into a cartoonized (doodled) image(cartoon.jpg) .  
While the second program (vid.py) is a addition to the first program which makes a doodle of everything placed in front of the webcam of the device.