

Image processing using FPGA

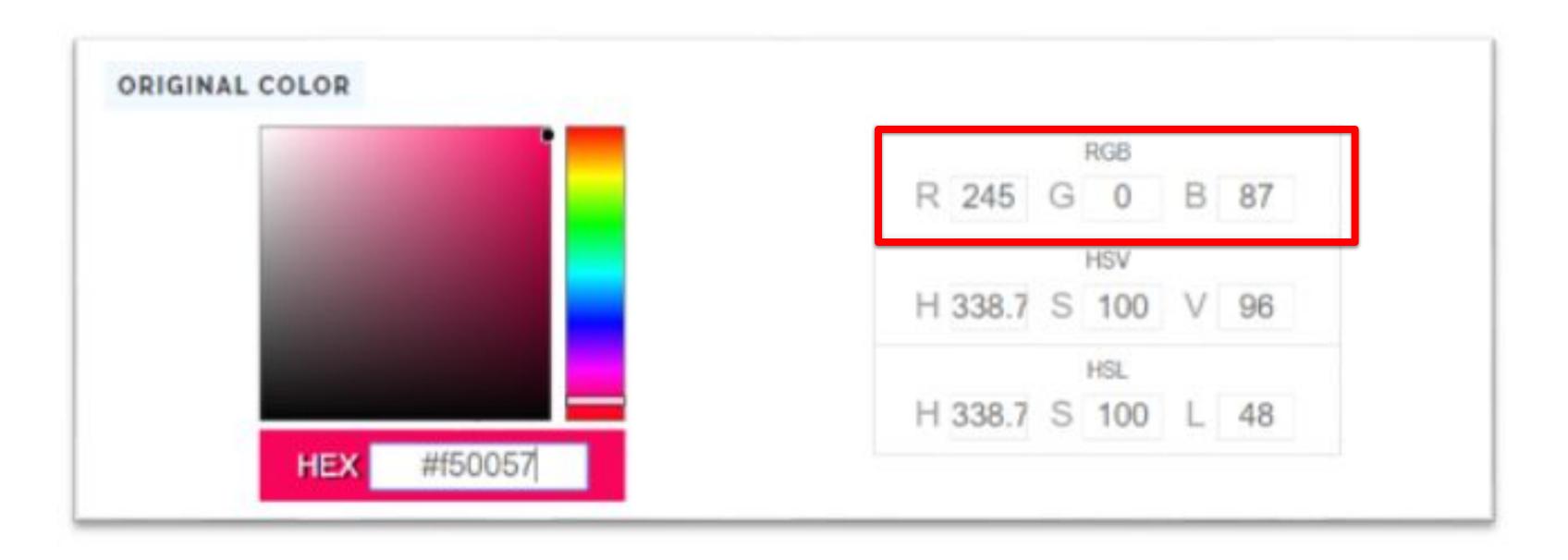
Contributed by: Siddharth Gupta, Prabhat Rai

Under Guidance of: Dr. GVV Sharma



Introduction









भारतीय प्रौद्योगिकी संस्थान हेदराबाद Indian Institute of Technology Hyderabad

Required Software and Installation



Hardware Required



Program Code Description



Verilog Code Description and Pin Connection



Project Demo



For the processing it will take around 3-4 Minutes







Important links:

GitHub Link: https://github.com/prabhatrai111/FPGA_LAB_EE5811

References/Citations:

- 1. M. I. AlAli, K. M. Mhaidat and I. A. Aljarrah, "Implementing image processing algorithms in FPGA hardware," 2013 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT), Amman, 2013, pp. 1-5.
- 2. https://www.fpga4student.com/2016/11/image-processing-on-fpga-verilog.html
- 3. Johnston, Christopher T., K. T. Gribbon and Donald G. Bailey. "Implementing Image Processing Algorithms on FPGAs." (2005).
- 4. https://www.vision-systems.com/articles/print/volume-22/issue-8/features/cpu-or-fpga-for-image-proce ssing-which-is-best.html

Contributors

01

Siddharth Gupta



/gupta-siddharth/

Prabhat Rai

in

/prabhat-kumar-rai/