Dato-116120 Course: Digital design using HOL Topic, Industry Application of

Name: Harshitha. T USN: 4ALITECO6 seng - 6th B

establishment of a 4 The impact of FPGA feeture in industrial applications is analyzed in detail in three maln areas, namely digital real-time simulation, advanced control techniques & lleitsonte instrumentation, vokotics, pourer system design & PPUA VIS ASIC

→ A feild programmable gate array 48 a semilondutor don't us, containing programmable logic components called Logic blocks' and programmable inter connects as Ic are dirigned to a specific applications they can be optimized to maximum, hence we can have high speed on ASIC derigns.

\* Working of FPGA

If we dirigorly a digital chet more than anything else, barically one layer. of abstraction above the logic gale level

At the baric level, you need to thank about how you're specifying the layout and equations at the LUIS

- to on FP4A es a digital, and because there are analog missed-signal aspects to modern & FPGA's Enr- A/D converters and PLL's.
- \* A bource FPUA outhitecture consists of thousands of called Configuration Logic blocks fundamental elements

surrounded by a system of programmable interconnectes could tabric.

so Repending on the manufactures the CLB may also be reffered to as a logic block (LB) at logic element (LE) of logic cell (LC).

Estimate the desirence of the death and

insternational transfer and the property of the second of the

Rate: 1/6/20

Course Python

Topic: Interactive Rata Visualization

Sen & F. 6th B

Sec

widh Bokeh

A) Makeing a basic broken time graph

It importing Boken

from boken plotting import figure

from boken is import output-file, show

\* pocpere some deuta 2 = [3,7,5,10] y = [3,6,10]

\* prepare the olp tile.
outsput -tile"(line. html")

\* create a tigure object f = tigure()

+ breate or there plot t. torage (x, y)

-> Plotting percentage of women who received an engineering degree over years.

tom boken plotting import figure from boken to import output file, show import pandas.

\* Prepare some data

df = pandar. read\_csv ("http://pythorhow.com/datat.cov")

n = dt ["Year")

Scanned with CamScanner

Editor Vita Villa James 1944

as Application or the who

y = df ["Engineering"]

- a prepare the offile output-file ('line-from backeloss. Hom!')
- \* Create a ti gure object + = tigure()
- \* Greate lene plot 5-lene (x,y)
- \* Write the plot in the figure object show (6).
- > Visual attributes

After building the basic plot, you can customize its visual attributes including changing the title coulore fort. adding labels for Xaxes and 4 asues changing the color of the ares ticks etc.

- \* todes were learned to write
- 4 like above example code suas thought
- A For a complete best of visual cultivibules, see the styling visual attributes documentation page of Bokeh.

LANGE CONTRACT OF BEING PROPERTY

Lugare Lagrette et les met comme