



PART#1 - EQUITY IN MY ONLINE CLASS

By Joseph Cheung

October 26, 2016

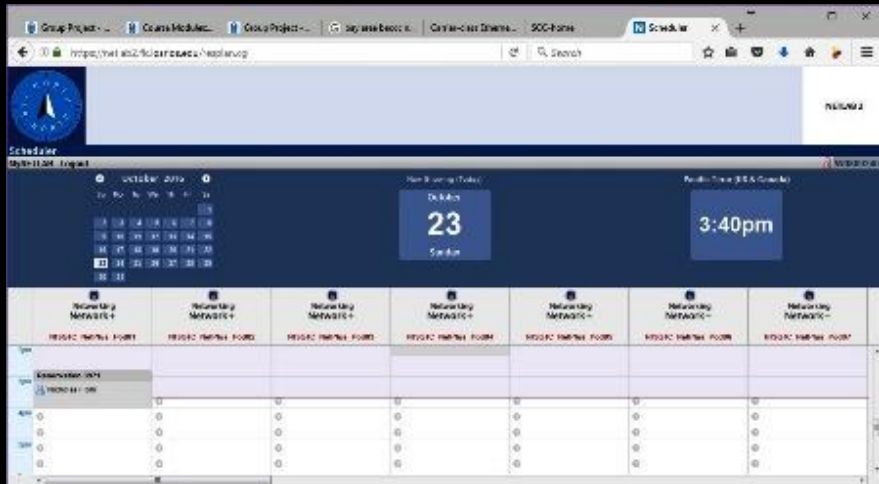
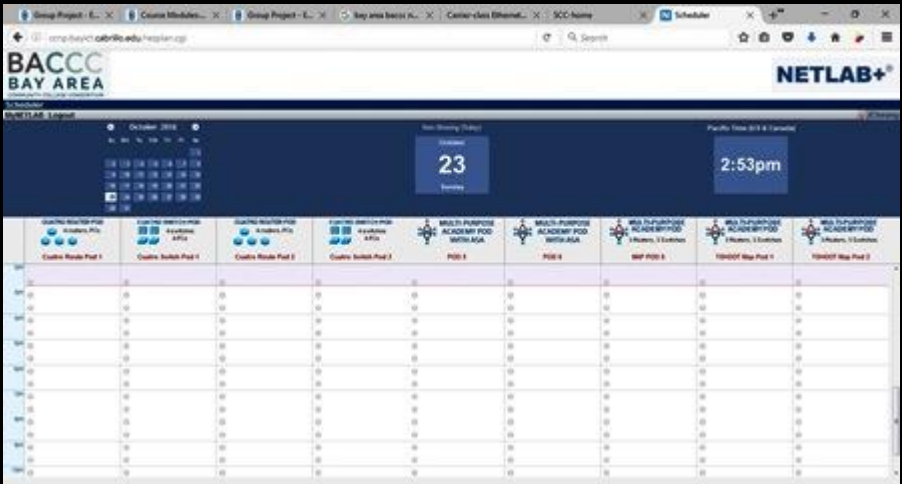
PROBLEM STATEMENT

NetLab provide insufficient labs hardware for students to do hands-on practice.

NETLAB

Bay Area

FLC



NETLAB — BAY AREA

- Initial pilot year participation:
- 25 of 28 BACCC colleges (89%)
in proposal
- All but Cañada, Marin, West
Valley

SYSTEM CAPACITY – BAY AREA

- Purchased and donated equipment will support:
- at least 288 simultaneous users
- more than 16,000 three hour lab reservations in a 24x7 week

FACULTY PEDAGOGY CHANGE BAY AREA

- Students self-schedule lab access
- Rather than everybody has to come to the physical lab at once

CISCO CCNP **SACRAMENTO CITY COLLEGE**

**Route, Switch and Trouble Shoot is a 100%
on-line class**

The background features abstract, flowing, wavy lines in shades of red and blue, creating a dynamic and modern aesthetic. The lines are layered and have a slight transparency, giving a sense of depth and movement.

CISCO CCNP

SACRAMENTO CITY COLLEGE

**Success of this class depends on hands-on skills,
leading to the understanding of the course material.**

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CISCO CCNP

SACRAMENTO CITY COLLEGE

Hands-on Labs In Different Forms

NetLab –

remote lab with real equipment setup on all topics for the class.

On-Campus Lab-

B220 – 12 groups of equipment [Pods] are setup in this lab for student doing hand-on practices.

Lab simulators software –

e.g.

1. Packet Tracer
2. GNS3

SOLUTIONS #1

SACRAMENTO CITY COLLEGE

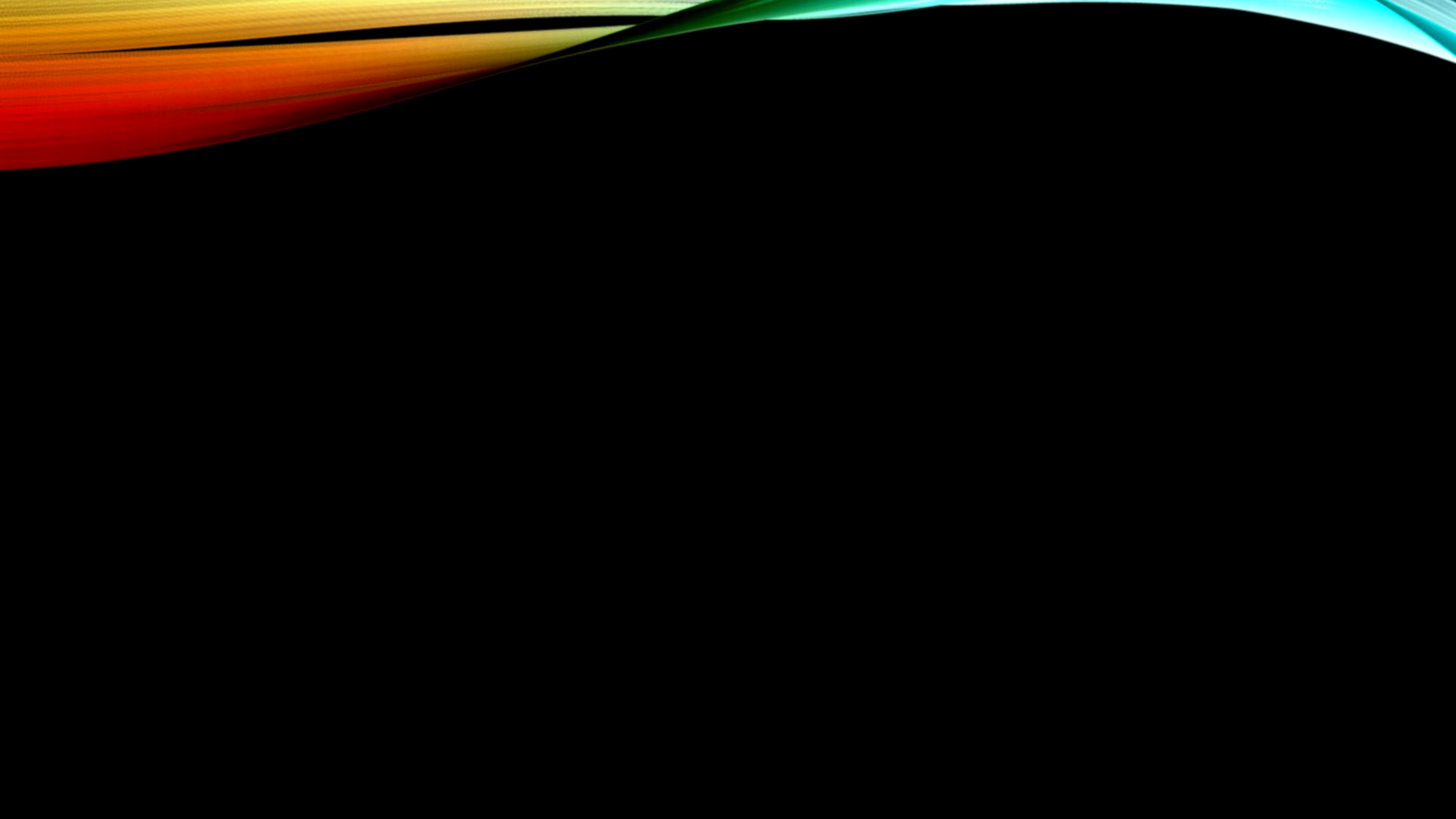
Many Student Sep-Up their Labs at Home

BUT, Under-privileged Students have NO Home-Lab

SOLUTIONS #2

SACRAMENTO CITY COLLEGE

- **Our Class Set-Up a Library so that Students can take home some hardware to do Labs at Home**
- **Hardware return to Class for re-loan to Another Student at Year-end**





#2 - EQUITY IN MY ONLINE CLASS

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PROBLEM STATEMENT

Students in classes learning operating systems, windows 10, Excel, Comptia Net+, etc have NO computers to use at home.

COMPUTER LAB – B151

- This lab houses about 60 computers, now upgraded to run windows 10 operation system.
- Students can do homework assignments here.

SOLUTIONS

C4K, COMPUTER FOR KIDS

- **Students can acquire a fully functional computer set, FREE, from C4K**
- **They can now use their own computer to do assignments at home**

SOLUTIONS

C4K, COMPUTER FOR KIDS

- This is a non-profit organization run and head by one of our CIS Professor.
- C4K collects PC donations from High Schools within the nearby School District.
- They change their classroom computer every 6-10 years.
- If no organization take these computers and will put them to e-waste for destruction.

SOLUTIONS

C4K, COMPUTER FOR KIDS

- As a security measure, the High schools will wipe the hard drive clean, leading them with an empty dish running “NO” operating system.
- C4K will need to re-install a comparable operating system so that the ‘product key” attached to each box of the PC can be re-used.

SOLUTIONS

C4K, COMPUTER FOR KIDS

- **Under arrangements with C4K, students who need a PC can continue to benefit the service in the future**



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Thanks

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