** BU EC500/CS591 in Spring 2015 **

** Hands-on class projects, mentors from MBTA, university, and industry **

** MOC First - OpenStack deployment **

** 3 junior engineers and two fearless leaders with lots of helps from HU IT and Redhat **
2. MOC-KAIZEN-NU PRODUCTION: MOC AT NORTHEASTERN UNIVERSITY @ MGHPCC

** 10 sprints/6 months from scratch HW+SW
3/6 months CSAIL region integration

** interns + tech. manager + the usual with lots of help from NEU IT, Redhat, Fujitsu ...

** HaaS development/deployment

** Automation

** Monitoring
3. MOC ENGAGE1/MRI: MIT-MRI, INTEL, LENOVO, BROCADE @ MGHPC

** Big Data and HPC

** Industry latest technologies

** University (MIT, Umass, BU) and industry (Intel, Brocade, Lenovo) collaboration

** In progress – infrastructure: 80%

** Shared MRI servers
WORKFORCE DEVELOPMENT

• Opportunity for student interns’ training; core operation team is interns
• Core engineers mentoring interns in team and Cloud class
• Summer: 4 undergrad/4 MS/4 PhDs/2 Post Docs
• Fall: 4 undergrad/6 MS/2 PhDs, 3 Post Docs
• Engineer’s contribution to OpenStack
The Good, The Bad and The Ugly

- OpenStack installation
- Having more than one NICs to help with network
- Ceph
- Cisco embedded Raid controller – partition tables
- Grub bootloader does not work on Cisco nodes
TEAM BUILDING

FUN

Maslow’s hierarchy of needs

AGILE

WE'RE GOING TO TRY SOMETHING CALLED AGILE PROGRAMMING.

THAT MEANS NO MORE PLANNING AND NO MORE DOCUMENTATION. JUST START WRITING CODE AND COMPLAINING.

I'M GLAD IT HAS A NAME. THAT WAS YOUR TRAINING.