

MOOC-CA

Mayank Sharma (IT-DI-LCG)

CERN IT Lightning Talks : Session #17 (8 Nov 2018)

THE STORY

- [SIMPLE Grid project](#) is Open Source.
- Google Summer of Code 2018, participated with CERN-HSF.



Google Summer of Code



CHAPTER 1: ASPIRANTS ATTACK

- Students from all over the world start making contact.
- Several emails, questions over IRC etc.
- Impressive skills and experience for each candidate.



Fig: Realistic picture of SIMPLE Framework team vs GSoC Aspirants (L to R) : Me, Aspirants

CHAPTER 2: THE RE-FOCUSSING STRATEGY



CHAPTER 3: RETALIATION

- Leverage MOOC's from Coursera, EdX, Udemy and other online learning platforms
- MOOC-CA is born!



MOOC-CA

- Several High Quality training content from professionals and academicians already available online.
- Certificates are Paid. Students are not.
- We still need some trusted insights into their performance.
- MOOC-CA solves this!



RESULTS

Tarang Mahapatra was selected as our GSoC student.

Successfully completed his project related to integration of Ansible into the framework.



Google Summer of Code



HOW IT WORKS? (FOR STUDENTS)



MOOC-CA-WLCG

Offered by: wlcg-lightweight-sites

★★★★★ 0 | [Productivity](#) |

Username:

Password:

[Log in](#)

Forgot your password? [Reset it.](#)

Not a member? [Register.](#)

Register a new application

Name

Client id

Client secret

Download Chrome
Extension

Create Account
on MOOC-CA
Server

Register Chrome
Extension as
OAuth2 Client

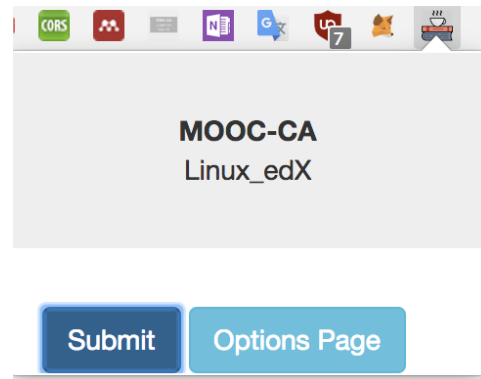
HOW IT WORKS? (FOR STUDENTS)

Students complete their courses.

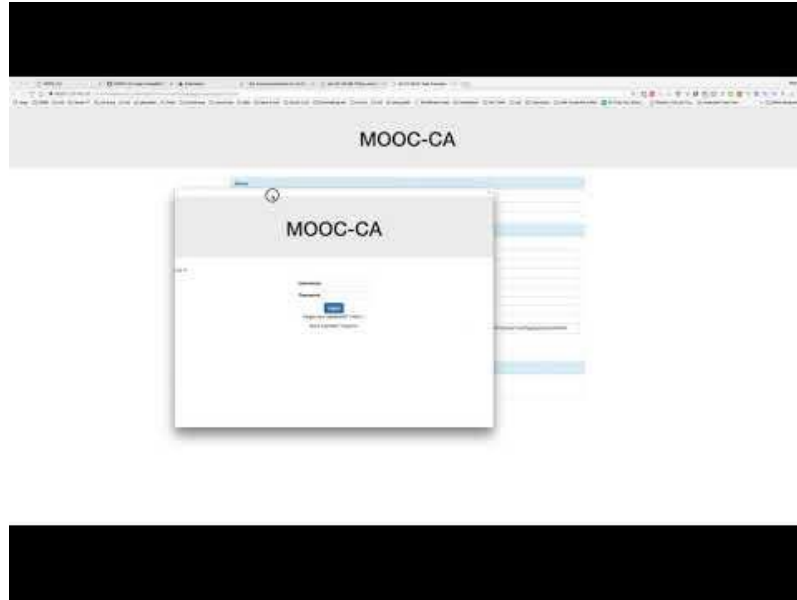
When done, they click Submit on the Chrome Extension to send their results to the evaluators.



UDACITY



HOW IT WORKS? (FOR STUDENTS)



User Guide -> <https://github.com/maany/MOOC-CA-User-Guide>

HOW IT WORKS? (FOR EVALUATORS)

Login as a superuser of the Django App

The Django module shows submissions made by each student (HTML snapshot of their result pages)

Pick your student!

- TASK
- Ansible_Udemy: tarang
- Puppet_puppet: tarang
- Ansible_Udemy: tarang
- Linux_edX: tarang
- Ansible_Udemy: mertozer
- Linux_edX: mertozer
- Kubernetes_edX: abkapoor
- Linux_edX: abkapoor

HOW IT WORKS? (FOR EVALUATORS)

Change task

Name:

Ansible_Udemy



Uri:

Currently: <https://www.udemy.com/ansible-essentials-simplicity-in-automation/learn/v4/content>

Change: <https://www.udemy.com/ansible-essentials-simplicity-in-automat>

Status

Applicant:

Tarang Mahapatra  

Html:



Categories

Development

HOW TO GET IT?

Chrome Extension:

<https://github.com/maany/MOOC-CA-Chrome-Extension>

(Fork and add the URL's of the results pages that the extension should monitor)

Django Server: <https://github.com/maany/MOOC-CA-Server>

(\$> docker-compose up)

CONCLUSIONS

MOOC-CA can take **HTML snapshots through the chrome extension** and send results to your MOOC-CA server.

MOOC-CA **leverages popular MOOC platforms** and tunnels through their certification process to help **evaluate competitiveness of students/applications** in a **reliable** manner.

MOOC-CA is **super easy to setup** and use!