UA Measurement WG Meeting
01 September 2022

Attendees

Nabil Benamar	Sushanta Sinha
Andre Schappo	Sam Goundar
Harsha Wijayawardhana	Frank Anati
Afi Eodh	Sarmad Hussain
Carine L. Malor	Seda Akbulut
Cengiz Acartürk	

Meeting Agenda:

1. Welcome and Roll Call

2. UA Academia Outreach
    a) Reviewing the SOW on UA academic curriculum with the advisory team
3. AOB

Meeting Recording:

https://icann.zoom.us/rec/share/NbjNM22fTk8H8aHW7NODfAVIHXNFQvq06TBcj
w0YWoLhJCK-V6RbUc8KIfY9jSbn.YEmAzGPIcjyDTBxh

Meeting Notes

Seda shared the agenda and informed that academia related sessions will be held every other Thursday at 16:00 UTC as per the survey results that the Measurement WG members contributed to. The next academia meeting was canceled as it coincided with the ICANN75 period. Therefore, the next meeting is scheduled for 29 Sep 2022.

Sarmad shared that the SOW has been updated after our last meeting and all inputs shared during the last academia session were incorporated into the SOW. He invited everyone to go through the SOW's latest version and asked them to add their input in the document or comment.

Andre suggested two points:
A. Two modules:

1. Unicode Programming module (that is more challenging than ASCII Programming)
2. Email module that could encompass all aspects of IDNs, EAI, Label, IDN2003, IDN2008 and much more. A new name is needed for this module.

B. Augmented materials or augmented modules. Instead of specific modules, this will be supplementary material to enhance existing modules. Modules can be supplemented with Unicode, i8n, L10n, etc. for the followings:
   1. Databases
   2. Networking
   3. Regular Expressions
   4. Data Science
   5. Operating Systems (such as Linux)
   6. Programming
   7. Other modules that can benefit supplementary material

Nabil appreciated Andre's idea about supplementary material. On the other hand he suggested being specific for not coming up with a huge list. Andre added these are the same supplementary materials to be added to modules, and we may consider this approach as well.

Sarmad also appreciated Andre's approach and agreed that an internationalization module should be added, but both for emails and domain names. i8n module is a good idea at a high level. But it is a very broad topic, it talks about localization of interfaces which for example may not be relevant to UA related work. So we need to identify the scope of these modules.

Harsha agreed with Andre that RegEx and Operating systems should be included. He also added that we need to customize the curricula by including some examples for different regions and languages. For instance, it should show how it works in Sinhala and Tamil languages, and show some examples on configuration of DNS servers for IDNs. But this doesn't mean the translation of the curricula.

Andre added that it is very hard to find Unicode solutions in RegEx.

Harsha said that they have done some tutorials for their students to show how RegEx works with some manipulation for Sinhala. This can be customized for other languages. At the moment there aren't enough examples on the web. We need to create some resources and examples for RegEx.

Nabil mentioned that each language has its own dynamic. And asked whether it is better to keep the curricula generic. He mentioned that let's start with the generic course, and then add language specific examples. Harsha agreed on keeping the curricula generic, but suggested adding customized examples for different languages.

Harsha added that they offer courses like this in English. In the sense of providing examples in localization for each language that's good. We need to localize. But that does not necessarily mean giving the course on local language. Translation of the material is not required. But the examples must be localized. Nabil agreed.

Andre mentioned that it is good to look at localization and internationalization from different points of view as the students come from different regions and aspects, even at the same university.

As per suggestions by Nabil and Cengiz, following disciplines were added to the programs:
● Computer Networks
● Informatics

Then, following courses were added as per Andre's, Harsha's and Nabil's suggestions:
● Cyber Security, Computer Security
● Operating systems

Andre suggested adding "Computer Science Lecturers" to the "Targeted audience for the educational materials". All these have been incorporated in the SOW document.

Sarmad explained the 1st item in the description of the SOW, where it says the vendor will regularly work with the panel (this advisory group) for developing the materials. Then asked everyone to review other description items to see if we miss anything. After that, he moved on to the deliverables topic.

Andre mentioned that there is a huge and very diverse amount of publicity about this material being available to encourage educators to look at it, and make them interested in it, and finally adopt it. We should also consider the marketing side of this work.

Sarmad responded to Andre that as part of deliverables, we are doing the test running. Regarding what Andre said, what we develop should be easily integrated. What Andre suggested could be a separate subject. UASG, UA Local Initiatives, UA Ambassadors, GSE and Comms Teams can also help with the Academia outreach. All these have local contacts in academia. We will definitely need to look for additional ways. We can think of incentivizing the universities who have deployed the curricula. There could be other ways as well.

As for further strategies, Harsha recommended certificates, Nabil suggested train-the-trainer programs and said that it is very important for faculty members to do the face-to-face workshops.

Andre asked where the materials will be hosted. Harsha responded that it could be the e-learning platforms, such as ICANN Learn. Seda referred to suggestions raised in one of the previous meetings that we mainly considered ACM to submit the curricula recommendations, along with the additional e-learning platforms. https://www.acm.org/education/curricula-recommendations (see page 4 in 30 June 2022 meeting notes)

Sarmad asked whether everyone is good with the deliverables.
● It's commonly agreed to ask the contractor to add different examples from different languages.
● Harsha added that based on the curricula, we can start writing Tutorial and/or Textbook. That would be ideal. He suggested that ICANN can encourage the faculty members to use it through Local Initiatives. Nabil agreed that the vendor should develop a textbook. Sarmad appreciated the input, and said that squeezing the textbook work might delay all deliverables. We need to make it feasible to deliver the main work in 6 months.
● Textbook could be done as a second phase in a separate work. Sarmad suggested we should test this material once it's developed to see if it requires any changes, updates, and having some experience with this to mature it.
● Harsha raised a question to Sarmad whether ICANN can initiate work through Local initiatives or other mechanisms to start developing on tutorials, and then ICANN bring them all together and create a repository, and then which can actually evolve into tutorials and textbooks. Sarmad affirmed that this could be manageable.

Sarmad summarized the action items until the next meeting:
● Based on all the inputs shared in today's meeting, the SOW will be updated and shared with the Measurement WG via email in 10 days.

- The Measurement WG members, especially the advisory team will review the revised SOW and share their further inputs on the SOW document or via email.

Next meeting: Thursday 29 September 2022 UTC 1600-1700

Action items

No.	Action Item	Owner
1	Revize the Academia SOW and share with the Working Group	Seda / Sarmad
2	Provide your input under the Description 2# Bullet in the [SOW](SOW)	Measurement WG