**Expression of Interest:**

**Name:** Dr. Shanmugam R

**Organization:** Centre for Development of Advanced Computing (C-DAC), Pune.

**Expression**:

I, Shanmugam R. have been working with C-DAC as a Tamil Linguist since February 2011. I hold a PhD in Computational Linguistics titled “Issues in Morphological Parsing for Modern Tamil words”. I have been working in the area of Tamil computing for the past 10 years and developed applications like Spell-checker, Grammar-checker, Morphological Parser-Generator Concordancer and Encoding converters for Tamil. At C-DAC, I am working on various projects related to Tamil Language computing and standardization initiatives.

Having computational linguistics background helps me understand linguistic aspects in technical context and design solutions that would be technically sophisticated while maintaining essence of the languages.

Being working on language solutions, I have good insights into inter-workings of Unicode in context of Tamil Language computing.

I am part of the CDAC GIST Natural Language Processing (NLP) team working in the area of Language Computing which involves the development of an advanced Natural Language applications like Spell-checker, Grammar-checker, Machine Translation and Verb-net. The encoding standards and syllabification rules play a vital role in increasing the accuracy of the said applications. I have also provided inputs for Internationalized Domain Names (IDN) policy work going on for Tamil Language at C-DAC.

Participating in “Procedure to Develop and Maintain the Label Generation Rules for the Root Zone in Respect of IDNA Labels” is thus aligned to my work and I am interested in contributing to the same. As mentioned in the call for volunteers, I would like to volunteer for the generation panel for Tamil Language.