IYALAMAIVI

Abstract:

This Abstract helps to frame the Language Translators with any other language for having Semantics and Pragmatic Approaches with explanation of Tamil Language in the Articles.

The Grammatical explanation with Practical Usage of the Natural Language is also being used clear explanation. The Individual Letters of The Spoken Language is also taken into consideration for suitable Unicode format with Machine Translation Method.

As described in the Title with Reality, This article is establishing Real phenomena by framing with the usage of Natural Language understanding with uniformity.

Key words: Kurikodaran, Code User Interface (CUI), Interactive Voice Response, Tamil Computational Letters

IYALAMAIVI(இயலமைவி) 1

Introduction:

This presentation is useful for Tamil web design development by pointing out the importance of Tamil Grammar and transliterating the old Tamil scripts with the local spoken language.

The Sound echoed from our mouth was the vital in our body organ for expressing our opinion and several signs we showed the transactions with our relationship to others, during the ancestral period.

After understanding the signs from others, our vocal expression is being developed upon with the natural language from the areas where the human is living in with conglomeration.

The word express in any native language is to be used in Computational Linguistics model in the Intra-active Voice Response (IVR) in the web design.

In the Tamil language also, Unicode can be designed in such a way that by transforming the Computational framing with the basic Tamil alphabet letters.

KURIKODARAN(குறிக்கோடறன்)

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As We all know that the ' Code ' is the main tools in Computer Software Development.

Similarly, In Designing the Tamil Web, the CODE is the main tools for Tamil Computational Linguistics into Oral Response.

The Word 'kurikotaran' can be used in this article with the above title for the purpose of Website maintenance in Tamil Language.

The Word 'code' is being used in Computer language Programme for generating useful meaning in any natural language in the website, the Tamil word 'kurikod'(குறிக்கோடு) is also having the similar meaning as 'code' in English.

The word Aran(அறன்) in the above with the Title word as 'kurikotaran' is denoting for performing our duty with the good intentional cultural identity in Tamil Language.

In the Tamil Language,

Code User Interface (CUI):

The Code User Interface in any programmable in the Web design is being used in the Natural Language Tools.

\* In any Natural Language, a Letter is being used for framing words.

e.g; With Tamil Spoken Language Morphology letters can create for

framing a word as noted:

Anil-அணில்(அ+ணி(ண+இ)+ல்(இல்))

\*The Word 'Anil' can frame for Tamil Computational language with any Natural Language code linkage for using in the web design.

\*A Word can connect with the linking letters of the same word, also with some other words which is denoting different meaning in its usage.

We call it a word-unit for the same which does not show anything by itself.

(தமிழ் இணைய பல்கலைக் கழகம்-குறிப்பு)

A Tamil word can be classified with the structure of the Tamil word into two as

1. 'பகுபதம்' Paghupatham(Divisible Word-DW)

2. 'பகாப்பதம்' Paghapatham(Indivisible Word-IW)

Paghupatham(DW) will have 6 Parts

\*Paghuti(பகுதி)Head part

\*Vighuti(விகுதி)End Part

\*Idainilai(இடைநிலை)Middle Part

\*Santhi(சந்தி)Connection

\*Sariyai(சாரியை)Alighning Part

\*Vigaram(விகாரம்)Change

e.g.

அறிஞன்-Paghupatham Word

அறி+ஞ+அன்=அறிஞன்

A word which cannot classify as Head Part(பகுதி)

End Part(விகுதி) as Indivisible Part-IW

e.g; தேன்(தேன்), மரம்(maram)

A word is also grammatically classified into classes

Name(பெயர்)Noun

Verb(வினை(அ)செயல்)Action

Preposition(இடை)Connection

Adjective(உரிச்சொல்)Noun Phrases

In a sentence, a relationship between a Noun and a verb is the case

(வேற்றுமை உருபு).  It is represented by a suffix or post position

The above such classification in Tamil letters with words can be modified with the code procedures by incorporating with any other natural languages framed in computational technology for network.

Vowels(Uyirum-உயிரும்) Consonants(Meiyum-மெய்யும்) is bonding

with ' m ' sound.

\*Machine Translation is difficult to identify the silent signs and the certain Morpheme(கட்டுருபன்) and it is very easy divide the words with the alphatical letters,  by joining with the consonants(mei) and Vowels(uyir)  in Tamil Letters.

\*Natural Language of the sound can notify in the Tamil transliteration also.

\* Interfacing with the letters and sound to be classified and coded.

\* Programmable codes to be framed with the sound and morphemes in the Tamil Unicode.

The Interactive Voice Response(IVR) can generate with the Kurikotaran (Iyalamaivi).

The following input code in the Computational Checks can produce the fruitful results in the output with the following code compilations.

Morphemes Code Compilation in IVR:

# Grammatical Language Analysis Creation

     (இலக்கண மொழி பகுப்பாய்வு உருவாக்கம்)

# Natural Language Process Steps in Tamil

    (இயற்கை மொழி ஆய்வில்  பங்கு)

# Spelling Checkers (உச்சரிப்பு சரிபார்ப்பு)

# Search Engine (தேடல் இயந்திரம்

# Information Retrievals & Extractions

    (மீட்பும் பிரி்த்தெடுத்தலும்

# Machine Language Transliteration Process)

# Grammar Checks in Local Language with its root words.

Tools Using in Natural Language Process:

The following Process in the tools are helpful to have input in the frame so as to get the results in the output format.

\* Content Analysing Processing

\* Question and Answer Processing

\* Sentence Automation Processing

\* Discussion Processing

\* Morphology Learning Processing

\* Language Learning Processing

IYALAMAIVI -Expanded Word Format( in Tamil):

இயலமைவி (IYALAMAIVI)-

The above \*Iyalamaivi \* word is describing as follows:

The machine translation is the numerical changes of 0,1 into Tamil Consonants and Vowels (Uyir and Mei) Letters by changing into written and spoken format with the following Tamil formats activational levels.

இ-இயந்திர

ய-யதார்த்த

ல-(இ)லக்க 0,1 குறியீட்டில்

மை-மையத் தானியங்கி

வி-விவரப்பேசி

Iyalamaivi Functions:

The following Iyalamaivi functionalities is improving the natural language formation with Computational and Digital setup

\* Computing Chipsets

\* Transforming Chipsets from 0,1  into 'Natural Language' forms in Hardware setup,

\* Programmable Code formation

\* Forming Chipsets

\* Changing Natural Functions.

Kurikodaran-குறிக்கோடு+அறன்=குறிக்கோடறன்(Hackathan)

The Kurikodaran Projects are involving in the following steps for framing the Tamil letters dirctly into the Digital formats.

\* Code Structures-Understanding

\* Explaining the sound format with Video

\* Forming the Morphemes with the Uttering Sound and Seeing through the Pictures.

\* Morphemes Formation

    (with Tamil Uyir, Mei, Uyirmei Letters).

Interfaced(இடைமுக அகப்படுத்துதல்)

\* The Tamil Vowels, Consonants(Uyir, Mei)Letters Can Join with the below mentioned methods.

  e.g.,  The Tamil word ' Anil ' is being written as

           ' அணில்=அ+ணி(ண+இ)+ல்(இ+ல்)'

\* The Tamil word Morphemes is being expressed

   by coining the Tamil Letters into Tamil Phoneme

   (ஒலிக்கப்படும் தமிழ் சொற்களின் ஒலியன்

    தமிழ் எழுத்துக்களில் உருவடைந்து

    எழுத்துருவாக மாற்றம் அடைதல்)

Phoneme (ஒலியன்) =

The spoken Language of the Tamil Word can describe into the Tamil format as below:

'செய்றேன்'  என்ற சொல்லை-செ(ச+எ)ய்(ய+்)றே(ற+ஏ)ன்(ன+்), எனவும்,

The Written Language of the Tamil Word can frame in the following manner:

சொல்=

'செய்கிறேன் என்ற சொல்லை-

செ(ச+எ)ய்(ய+்)கி(க+இ)றே(ற+ஏ)ன்(ன+்)

என்ற தமிழ் குறிகளை உள்ளீடு செய்து,

அச்சொல்லுக்கு உண்டான ஒலிக்குறிகளையும்

எழுத்துருவையும் உள்ளீட்டை சரியான குறிக்கோடுகளை நிர்ணயம் செய்கிறோம்.

Unicode of Tamil Serial Numbers is being added for every transliteration of tamil letters into English and vice versa.

Polysemy :

A Symbol,Word or Phrases means many different things called as  Polysemy

e.g, Bank means Financial Institution, River Bank

When we express the circumstances in which we express the above Word we may understand the related meaning of the objects on the occasion of speaking.

This word when we speak we can understand on the reality of the speeches.

Conclusion:

This Iyalaimaivi Presentation is helpful to have a meaningful 'Porunmai ' with English to Tamil, Tamil to English Translation in both written as well as oral format. It also explains Synonyms, Antonyms, Entailment(முற்கோள்) etc ., by framing with Ascii code to Tiscii.

This Iyaamaivi increase the Usage of splitting the Tamil Nouns,Verbs, Adjectives(   ),  Adverbs into  Morphemes with separate identification of Tamil Uyir, Mei, Uyirmei Letters.