

Tamil Parser Projection

Tamil sentences mostly Sentence-Object-Verb Format

I read Tholkappiyam .

(ROOT
 (S
 (NP (PNP I))
 (VP (VBP read)
 (NP (NNP Tholkappiyam)))
 (. .)))

Naan Tholkappiyam padiththen.

(ROOT
 (S
 (NP (PNP Naan))
 (VP (NP (NNP Tholkappiyam))
 (VBP Padiththen))
 (. .)))

Object-Sentence-Verb also not uncommon !!!

Samu killed Ramu.

SOV

Samu Ramu-vai kondran.

(ROOT
(S
 (NP (NNP Samu))
 (VP (NP (NNP Ramu-vai))
 (VBP kondran))
 (. .)))

OSV

Ramu-vai Samu kondran.

(ROOT
(S
 (NP (NNP Ramu-vai))
 (VP (NP (NNP Samu))
 (VBP kondran))
 (. .)))

It is possible that sentence may not have verb

That is my house.

(ROOT
(S
(NP (DT That))
(VP (VBZ is)
(NP (PRP my) (NN house)))
(. .)))

SO

Athu yen veedu .

(ROOT
(S
(NP (DT Athu))
(NP (PRP yen) (NN Veedu))
(. .)))

OS

Yen veedu athu .

(ROOT
(S
(NP (PRP yen) (NN Veedu))
(NP (DT Athu))
(. .)))

Morphology – Tenses

Ramu likes computers.

Ramu kaninikazhai virumpukiran.

Ramu likedd computers.

Ramu kaninikazhai virumpinan.

Ramu will like computers.

Ramu kaninikazhai virumpuvan.

Morphology – Proposition

The teacher entered inside the classroom.

Asiriyar vagupparaiyinul nuzhainthar.

Tit **for tat**.

Pazhiikku Pazhi.

Morpology – Extreme

I was being destroyed.

Azhintukontuirunten.

azhi

intu

kontu

irunta

en.

(root)

past tense

Destroy

during

(Aspect)

Past
Progressive

(person)

First person,
Singular

Conclusion

- Projection is difficult with such a rich morphological property.
- Deep and more accurate morphological analysis is required.

References

- Vijay Sundar Ram R, Menaka S and Sobha Lalitha Devi, Tamil Morphological Analyser
- http://en.wikipedia.org/wiki/Tamil_grammar