### TDIL Vision 2010

**TDIL : Technology Development for Indian Languages.**

#### Vision statement
Digital unite and knowledge for all.

#### Mission statement
Communicating & moving up the knowledge chain overcoming language barrier.

#### Objectives
- To develop information processing tools to facilitate human machine interaction in Indian languages and to create and access multilingual knowledge resources/content.
- To promote the use of information processing tools for language studies and research.
- To consolidate technologies thus developed for Indian languages and integrate these to develop innovative user products and services.

#### Major Initiatives
- **Knowledge Resources**
  - (Parallel Corpora, Multilingual Libraries/Dictionaries, Wordnets, Ontologies)
- **Knowledge Tools**
  - (Portals, Language Processing Tools, Web based Tools)
- **Translation Support Systems**
  - (Machine Translation, Multilingual Information Access, Cross Lingual Information Retrieval)
- **Human Machine Interface System**
  - (Optical Character Recognition Systems, Voice Recognition Systems, Text-to-Speech System)
- **Localization**
  - (Adapting IT Tools and solutions in Indian Languages)
- **Language Technology Human Resource Development**
  - (Manpower Development in Natural Language Processing)
- **Standardization**
  - (ISCII, Unicode, XML, INSFOC, etc.)

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### TDIL Programme Goals

#### Short Term Goals
- Standardization of code, font, keyboard etc.
- Fonts and basic software utilities in public domain.
- Corpora creation and analysis
- Smart content creation.
- Language Technology be integrated into IT curricula.
- Collaborative development of Indian language lexical resources.
- Writing aids (Spell checks, grammar checks and text summarization utilities).
- Sharing of standardized lexware & development of lexware tools.
- Training programs on ILT awareness, lexware development, and computational linguistics.

#### Medium Term Goals
- Indian language speech database
- Multilingual, multimedia, content development with semantic indexing, classical and multi font and decorative fonts, offline/online OCR.
- Cross lingual information retrieval (CLIR) tools.
- Human speech encoding
- Speech Engine : Speech recognition, specific speech I/O.
- Indian language support on Internet appliances.
- Understanding and Acquisition of languages, knowledge representation, gisting and interfacing.
- Distinguished achievement awards for M.Tech/MCA/Ph.D. level in Indian Language Technologies.
- Machine aided translation: English to Indian languages, among Indian languages, Indian languages to English and other foreign languages.
- On line rapid translation, gisting and summarization.

#### Long Term Goals
- Speech-to-speech translation.
- Human Inspiring Systems.