Translate with accuracy & confidence.

Translate Farsi to & from English with CiyaTran™ Machine Translation

Machine Translation

Machine Translation (MT) is a computer software that translates text from one natural language into another, while preserving the grammatical structure, meaning and concept in the text of the source language.

CiyaTran MT

CiyaTran is a state of the art, linguistically-based, AI-centered MT, developed by CiyaSoft Corporation over the past 14 years. CiyaTran is a complete enterprise software platform that helps organizations harness today's vast amount of information by automatically translating mission-critical information found in emails, Web pages, message boards, presentations, newspapers, magazines, technical papers and books.

CiyaTran is the result of years of extensive linguistic research and it supports Farsi, Dari, Pashto, Urdu and Arabic; and more languages are under development. CiyaTran is designed for real life, high volume industrial and commercial document processing applications. It supports slang, jargon, idioms, sentence fragments and handles errors in spelling, grammar, morphology and syntax. Encoding method, file format and domain of input text are automatically detected for conversion and loading of appropriate domain databases.

CiyaTran offers an extremely flexible software solution that translates the human meaning of sentences and sentence fragments by:

- Analyzing the semantic, morphological and syntactical structures of input text,
- Utilizing the most advanced MT technologies like Computational Linguistics, Fuzzy Logic and Statistical Analysis,
- Tagging sentence elements for mathematical modeling to analyze the syntax, to capture patterns and to process morphological variations of phrases and phrasal nouns,
- Using a general-purpose lexicon, as well as 85 special (domain-specific) databases: Aviation, Computer Science, Military, Economics, Engineering, Natural Sciences, Telecommunications, Political Science, Law and more,
- Supporting classical, colloquial, proverbial, Finglish, Pinglish, and transliteration,
- Utilizing a huge context-sensitive dictionary of acronyms and Romanized proper nouns (with multiple morph-variation) which includes geographical, commercial, and industrial names,
- Letting users build their own custom dictionaries.

Key Features

- Automatic correction/adjustment of spelling errors, morphological variations, and syntax deviations; plus detection of format, encoding, language, and domain
- Vocabulary search and Translation Assistant tools
- Unlimited custom (user) dictionaries
- Direct translation of Web pages; external file and batch translation
- RTF, TXT, HTML, Unicode, UTF-8 and Big Endian Support
- Over 3,000,000 words and phrases in 85 domain-specific dictionaries
- OCR plug-in to allow Scan/OCR/Translate; or translation of PDF and other image files
- 1,200 pages per minute translation speed
- Low memory requirements (Less then 55MB for bidirectional support)
- Enterprise, desk-top, API/SDK and network support
- Internet-based updates of the software and support dictionaries for registered users

CiyaTran™

CIYA SOFT
BRINGING THE WORLD TOGETHER

CIYASOFT SOLUTIONS ENGINEERING
EXCELLENCE
CUSTOM SOFTWARE
WWW

CIYATRAN™ — is Machine Translation (MT) technology software developed by Ciyasoft Corporation. CiyaTran™ MT engine is a state of the art, linguistically-based Machine Translation system with a long research history. CiyaTran™ is a complete enterprise software platform that helps companies harness today's vast amount of corporate information by automating the process of translating the mission-critical information found in documents, presentations, emails, message boards and Web pages.

Concept — Machine Translation is the use of automatic computer software to translate text from one natural language into another. This definition accounts for the grammatical structure of each language and uses rules and assumptions to transfer the grammatical structure of the source language (text to be translated) into the target language (translated text). Ciyasoft developed CiyaTran™ after several years of extensive linguistic research in the US. Its technology reaches beyond a simple rudimentary translation, which has been close to mere word replacement, but rather towards real life, high volume, industrial and commercial applications. CiyaTran™ state-of-the-art computational linguistic technology supports Dari, Farsi, Pashto and Arabic.

CiyaTran™ software translates:
- At 600+ Pages Per Minute
- With 85+% Accuracy

CiyaTran™ is available in several versions:
- Standalone
- Client /Server
- PDA

CiyaTran™ also provides support for the following optional add-ons: Third Party Integration API and Optical Character Recognition (OCR)

CiyaTran™ Machine Translation provides access to special domains dictionaries such as:
- Technology & Telecommunications
- Military, Aviation & Law Enforcement
- Economics, Business & Diplomacy
- Science and Engineering, Health Sciences

CiyaTran™ system provides an integrated hardware and software solution that will:
- Analyze the semantic, morphological and syntactic structures of input text
- Function as a fully automated Machine Translation system.
- Utilize a general-purpose lexicon
- Provide access to eighty-five special context databases such as Computer, Aviation, Military, Economics, Telecommunications, Engineering, Political Science
- Provide users with options to define their custom dictionaries
- Vocabulary Search Utility to identify words not in the systems dictionaries

CIYASOFT

For more information, visit: www.ciyasoft.com

CIYATRAN™ — Machine Translator is a software based on Microsoft(R) Windows operating system and it runs under Windows 2000, or under Windows 98 (with Farsi or Arabic support), or under Arabic/ Farsi modified Windows.

CiyaTran™ Translator can be used for translating any type of written document: Business letters, technical or scientific material, textbooks and articles from newspapers, magazines or the Internet. The Translator Project started in 1991 atop a series of successful software packages with Farsi support, such as word processors and databases, all of which were trademarked under CiyaTran™.

Why **CIYATRAN™** Translator is unique and one-of-a-kind in many aspects? CiyaTran™ is fast, accurate and reliable. The speed of 1,200 pages per minute is achievable if the system's speed is 1GHz or higher with 500MB of available memory. There is no limit on the size of the input file to be translated. The size of an imported file is only limited by the amount of available virtual memory.

CiyaTran™ contains several different databases, which hold its various dictionaries. The dictionaries contain a total of more than 1.5 million words and phrases in 85 different contexts and, one general context. It also employs a Translation Engine which uses the most advanced techniques available under Artificial Intelligence (AI), in general, and natural language processing (NLP), in particular.

Fast   Accurate   Reliable

Contact Ciyasoft Corporation for more details.

Email: support@ciyasoft.com

www.Ciyasoft.com

To translate a sentence in a given text, CiyaTran™ Translator first breaks it into words, phrases and symbols and sends the results to the Grammar, Lexicon and Morphology Mapper Unit. This Unit is a part of the Input Engine and consists of a separate database with approximately 250,000 fuzzy logic elements. The sentence, after disintegration and passing through other stages, enters the Output Engine, which is responsible for rendering the equivalent upon conversion of the characteristics of the sentence in the input domain.

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