

Press Release

Launch of Seven Tamil Computing Software (Kanitamil) and *Thamizhai Pizhaiyinri Ezhuthuvom* (Let's Write Tamil Without Error) Book by the Honourable Minister for Information Technology & Digital Services

The Honourable Minister for Information Technology and Digital Services, **Dr. Palanivel Thiaga Rajan**, today (August 27th, 2024) officially launched seven innovative Tamil Computing (Kanitamil) software developed by the Tamil Virtual Academy, along with the book titled 'Thamizhai Pizhaiyinri Ezhuthuvom' at a distinguished event held at the Tamil Virtual Academy campus, Chennai.

These newly launched Tamil Computing software and the book are set to significantly enhance the remarkable contributions of the Tamil Virtual Academy, which has been at the forefront of promoting the Tamil language globally through the internet. TVA has played a vital role in preserving and propagating Tamil heritage, culture, civilization, arts, grammar, literature, maintaining a digital library and advancing Tamil computing technologies.

In this era of rapid technological advancement driven by Artificial Intelligence, these seven software tools have been meticulously designed to be user-friendly, catering to the needs of students, researchers, and Tamil enthusiasts worldwide. The Tamil Text Editor, Chatbot for TVA's Lessons, Inscription Reader and Tamil Learning App were developed utilizing Tamil Nadu Software Development Fund.

In addition, an announcement was made in the Tamil Nadu Legislative Assembly to develop seven Tamil Computing software tools. The first of these, the Kalaigiar Parser, was unveiled at the KaniTamil24 Conference by the Honourable IT & DS Minister, receiving widespread acclaim from Tamil scholars and enthusiasts. Building on this momentum, today's launch includes Parts of Speech & Semantic Role Labelling, Speech-to-Text for Dialects, and Hyphenation Support for Tamil Typesetting. The remaining three software tools are currently in the final stages of development.

These software are designed for ease of use across various user groups. A brief overview of each software tool is given below.

1. **Tamil Text Editor**: It is an advanced software tool designed to revolutionize Tamil language studies by compiling comprehensive indexes and concordances. This software is poised to become an indispensable resource for students, scholars, and researchers.
2. **Chatbot for TVA's Lessons**: An innovative chatbot designed to enhance the learning experience for students enrolled in our Certificate, Diploma and

Degree courses. This tool is set to introduce interactive elements in the way students access TVA's lessons.

3. **Inscription Reader:** A cutting-edge software designed to convert ancient inscriptions dating from the 6th to the 10th century found across the Kanchipuram & Chengalpattu districts into contemporary Tamil has been developed. This innovative tool is a significant step forward in preserving and understanding the rich history of Tamil language and culture.
4. **Tamil Learning App:** An innovative learning application has been designed to make Tamil language acquisition engaging and enjoyable for new learners to learn three tenses of verbs.
5. **Parts of Speech & Semantic Role of Labelling:** A groundbreaking software has been designed to provide comprehensive grammar references for Tamil sentences and analyze semantic roles within them.
6. **Speech to Texts Dialects:** An innovative software accurately converts spoken Tamil into written text in real-time. It is capable of recognizing and processing a wide range of Tamil dialects, including those from the North, South, East, West of Tamil Nadu. As the speech is delivered, the software dynamically transcribes it into text displayed on the screen.
7. **Hyphenation Support for Tamil Typesetting:** This software automatically splits Tamil words into proper syllables, ensuring that paragraphs are perfectly aligned and formatted. It offers a significant advancement in typesetting capabilities.

Additionally, the book 'Thamizhai Pizhaiyinri Ezhuthuvom' was released to assist in writing Tamil accurately without grammatical errors and spelling mistakes. This comprehensive guide simplifies the fundamentals of Tamil letters, words, and phrases, covering various linguistic topics such as word segmentation, word combination rules, Sandhi rules, and language style. The book was officially launched by the Honourable Minister and was received by the Additional Chief Secretary of the Department of Information Technology and Digital Services.

These software and book are available for free download from the Tamil Virtual Academy's website (<https://www.tamilvu.org/>).

The august event was graced by the presence of the Honourable Minister for Information Technology and Digital Services, the Additional Chief Secretary, the Director of the Tamil Virtual Academy, Tamil Computing experts, and students from Agurchand Manmull Jain College.

Issued By: - DIPR, Secretariat, Chennai – 9

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