

An Assessment of Need for Training Module preparing for computer Aided Teaching of Tamil language and literature to Kodaikanal students in Tamil Nadu.

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This paper brings together work on the emergence of communication and Tamil language drawing on diverse dimensions, including Electronic Tamil, Glossary of Internet and Multimedia Terminology in Tamil Language, Computer science books translated and published in Tamil language, Usage of Tamil Language in the field of computer science, Tamil and information technology, Tamil in computer applications, Tamil computer, Application of Tamil language in computer, Planning and implementing Tamil for internet, Teaching and learning of Tamil language and literature via internet, Tamil digital library, Online line Tamil Literature, publishing Tamil literature electronically, Tamil keyboard, more than 500 soft wares in Tamil language are in usage in Tamil Nadu, Net 99, Unicode and usage of Tamil language on Internet for communication .Computer Aided Teaching of Tamil language and Literature is both an engineering technology and a measure of all things to do with Tamil language, literature and computes – Whenever a new, highly sophisticated, technical channel or device is offered to traditionally oriented Tamil Teachers to teach classical literary texts along with contemporary on line Tamil literature from e-journals across the world, a new perfect viable training module of Tamil language or literature is needed, an important criteria for its success . It will improve exposure to handle machine for Tamil language teaching and literature. Technical skill has become a must for Teacher learner likewise language skill is needed for IT professionals to design it for online education. Meeting the two ends is compulsory. Computational simulations of the emergence of phenomena associated with communication and Tamil language play a key role in illuminating some of the most significant issues, and the renewed scientific interest in Tamil language emergence has benefited greatly from research in computer aided teaching of Tamil language and literature, by Non Resident Indians, Tamilians living abroad and emerge as cognitive science .Starting with a road map of Kodaikanal pointing to the ways used by schools ranging from Kodai International School, Presentation convent, Kodai Public School, Brindavan Public School, Zion matriculation higher secondary School, St. Peter's matriculation higher secondary School, Kodai Noon matriculation higher secondary School,

St. John's girls higher secondary school, Sri Sankara Vidyalaya matriculation higher secondary School ,Government boys higher secondary school St, Xavier elementary school, Municipal primary school> Kodaikanal Christian College, Mother Teresa Women's University, Students of Information Technology, PG students of Master of Computer Applications their exposure to Tamil communication on net private computer centres to teach computer education at Kodaikanal like CSC, TCDS, SISI, Infoscience, St. Anne's Computer Centre, DIET and Computer centres like Omega etc serve as browsing centres and offer Voice Chatting, Video Conferencing, Mobile download media conversions etc. various ways in which disparate attempts made to stimulate computer literacy in younger generations. This paper examines the role of simulations as a novel way to handle Tamil language and literature in computer, and their contribution to the development of a new approach to the study of the emergence of communication and Tamil language. Worldwide contributors report on the results at the forefront of this Interdisciplinary field and deliver state-of-the-art research and essential reading for researchers and graduates. At plus two level computer science has been introduced in Government Schools for students as the first textbook prepared by the Tamil Nadu Text book Corporation its contents are also considered for analysis. A draft module to train Kodaikanal students in Tamilnadu in computer aided teaching of Tamil language and literature is also prepared and place it for discussion at Tamil Internet conference 2009 at Germany of the most recent developments in the field and prospects for the future, which has been used for pilot study initially and needed changes, suggestions, modifications are included for the final implementation of the module in Tamil Nadu for Teacher educators of Tamil language and literature. Training module has also been included.

TRAINING MODULE FOR COMPUTER-AIDED TEACHING OF TAMIL (Operational Guidelines)

1. Preamble

The training aims at creating internet based Tamil resources for teaching Tamil language and literature and providing opportunities for Tamil teacher educators to get well trained in handling internet based Tamil resources in turn, they impart training to Tamil students and make them digitally literate.

2. Training objectives

- 2.1 To develop, handle and deliver internet based learning material to teach Tamil Language and Literature for Tamil students

- 2.2 To initiate IT Professionals to prepare necessary learning kits and packages suit to the need of Tamil students
- 2.3 To offer training programmers for IT personnel to handle Tamil on net and Tamil teacher educators to use IT resources for Tamil language and literature teaching
- 2.4 To continue training programmes by pooling together knowledge resources developed in Tamil in different parts of the world and co-ordinating systematically for wider dissemination and proper utilization.
- 2.5 Keeping up-to-date and enhance technical knowledge and skills needed for better performance of individuals and organizations
- 2.6 Promoting better understanding of professional requirements as well as sensitization to technical environment in which work is done.
- 2.7 Bringing out right training

3. Training concerns

Students community would have to be trained to the changing needs through their mother tongue which enable them to acquire mastery over the realm of knowledge. Hence training of trainers, namely teacher educators would therefore, focus on:

(a) Responsiveness

To suit the challenging online needs and expectations of the technological developments of today's world needs to be concentrated.

(b) Commitment to acquire Digital literacy

- To prepare and use internet resources for effective teaching and learning of Tamil language and literature

(c) Awareness

- Of technological, economic and social developments

(d) Infusion of scientific temper

(e) Accountability

- To ensure high performance in every professional field of computer engineering technology and Tamil language and literary teaching, and cost effective methods of delivery.

4. Training for All

- 4.1 Training would be imparted to all range of the schools in Kodaikanal starting from the lowest and cutting edge to the highest sophisticated institution.

- 4.2 For the purpose of appropriate training design to trainers shall be divided into the following three levels
- a. The municipal and primary school functionaries, that is operative at the cutting edge who involved in teaching at primary level.
 - b. The middle and high school level and
 - c. College level and University level comprising the Tamil scholars and MCA, IT students at UG/PG level.
- 4.3 Training programmes of teacher educators and students of the primary level shall address themselves to functional skill and attitudinal orientation. For the middle level, training shall contribute to enhancement of exposure to online Tamil resources understanding and skill to operate as also to widening technical outlook. For the higher level besides offering stimuli for expansion of the mental horizon and attainment of operational excellence, training shall also Endeavour to sharpen perception of Inter-related online resources. For the top levels of the higher education, training shall also be aimed at intellectually and professionally equipping the scholars for creating softwares, teaching aids that involve teaching of computer aided Tamil technology policy, analysis, planning and policy formulation, implementation and assessment.

5. Framework for Training

- 5.1 All categories of Teacher educators and learning community shall receive.
- a. Induction training at the beginning to handle resources digitally.
 - b. In service training at suitable intervals to up date their exposure.
- 5.2 Attendance in training programmes shall be prescribed as a mandatory exercise with possible linkages with IT Industries internship practical training.
- 5.3 For organized PG/Research Scholars of University, career span – specific training programmes in all progressive technical Tamil digital avenues shall be imparted to provide scope for competence building.
- 5.4 In order to improve the effectiveness of training at different levels and different target groups area specific short term skill up-gradation institution programmes shall invariably be formulated from Kodaikanal model to IT personnel, Tamil Teacher educators holding specific jobs in online education via Tamil language and Classroom teaching by computer assisted devices.

6. Training Policy formulation and co-ordination

- 6.1 A Government training council shall be setup for formulating training programme in Tamil IT, Training design and programmes as well as issues concerning their implementation.
- 6.2 A Government training council shall be assisted by high powered committee of directors.

7. Nodal Authority

Tamil Virtual University, Tamil University, International Institute of Tamil studies, Anna University and Regional Engineering College, Trichy will designate training mangers at appropriate level to develop and coordinate training programmes and monitors them. The training manger shall ensure an integrated approach to training with a view to initiate as a new entrant to mould as a skill full contributor and improve overall performance of participants. INFITT and such other important NGO's are also involved in proper implementation of the training.

8. Training infrastructure

- 8.1 Training Institutions, experts and resource persons shall be increasingly formed in to a network for flexibility in the use of human and material digital resources. Increasing use shall be made of Non-Government IT organizations.
- 8.2 Utmost care shall be exercised in selecting trainers. Effects shall be made for evolving systems for identifying trainer potential. Contributors to Tamil in IT, from abroad shall be invited to share their training related activities to cater the requirements of institutions and student groups in Tamil Nadu.

9. Funding

- 9.1 Centre for research and applications of Tamil in Internet has been set up by the Government of Tamil Nadu. Financial support for this training project may be obtained from it.

10. Counseling cell Establishment

- 10.1 A counseling cell to clarify doubts in computer functional activities may also be established and render service round the clock. A helpline may also be instituted.