ELECTIVE COURSE III -4- TAMIL COMPUTING TECHNOLOGY

UNIT-I

Linux operating system – Localization – Character sets – MBCS/Unicode – Tamil character sets: TSCII/TAB –TAM Maduram etc... – Creating localized fonts – Installing fonts in the operating system.

UNIT-II

TAMIL key board layout – Interfacing application software for TAMIL keyboard – Open source TAMIL software application for office automation – Issues in Developing TAMIL software applications – Tools and techniques for TAMIL software development

UNIT-III

Porting other language software to TAMIL – Localizing commercial/packaged software to TAMIL – Developing client-server/web-enabled software in TAMIL – Issues in creating/storing/retrieving TAMIL data from data stores like MySQL/Oracle.

UNIT-IV

TAMIL optical character recognition OCR – Text-to-Speech conversion techniques for TAMIL language – Computer based Tamil speech recognition principles - TAMIL language MULTIMEDIA assets.

UNIT-V

Resources for TAMIL software development. – Survey of various tools available to carry out TAMIL computing on Windows /Linux environments.

TEXT BOOK:

1. Handbookss and notes specially prepared by the Lectures**, Department of Infn. tech., Bharathidasan Institute of Technology, Bharathidasan University, 2007.**