Company Profile

Modular InfoTech Pvt. Ltd. is a private limited company (earlier known as Modular Systems). TVS Electronics, of Chennai are shareholders in the Company, and the Mission of the Company is to give computer software based state-of-art technology solutions, for the Indian Languages and English. The promoters of Modular InfoTech Pvt. Ltd. have a conviction that if computerization has to reach the masses, it has to be through Indian languages as a vehicle of communication.

The Company was established in 1983 by a group of engineers having a strong R & D background. The company is located in Pune.

In May 2000, TVS Electronics Limited - a group company of 2.0 billion Dollar TVS Group bought shares in Modular InfoTech Pvt. Ltd. Through the development of multilingual software packages, Modular InfoTech articulates wholeheartedly to reach out to every corner of India with the support of TVSE and contribute effectively to the growth of Indian Language IT in the country, with the mission of 'Taking IT to the Heart of India' .

The Company has made pioneering contributions to Indian Languages Printing and Publishing Industry through the following contributions

INDIAN LANGUAGE SYSTEMS

● Totally indigenous CRT based digital phototypesetter **PTS100** launched in 1985: This was the first phototypesetter totally developed in India using digital techniques without any external collaboration. It consisted of microprocessor based front-end data entry terminal with multilingual editing facility.Typesetting programs for all Indian languages were developed taking into account different composition rules of each language. This phototypesetter was the first such Indian made system.

● Development of complete DOS based **typesetting system**, with IBM-PC, PostScript / Non-PostScript Laser printer and typesetting software, with Indian Languages DMP proof printing facility, which was a unique feature of the system: This was launched in 1988.

INDIAN LANGUAGE FONTS

● **First in India to develop in-house facility to digitize** and rendering tools for Indian language typefaces. This encouraged and motivated the artistic talents of various artists to design and develop various typefaces required for the Indian Printing and Publishing industry.

● **Development of the largest library of Indian Language typestyles**, in the world. The Company has been continuously developing a large variety of aesthetic Indian Language fonts since 1983.

● Investment of resources and efforts in the development of True Type fonts, Type 1 fonts, Font Scaling and Rasterizing, Open TrueType fonts, and bitmap fonts for Indian languages. These products take very long time for development and consume huge amount of resources. Modular InfoTech has been dedicatedly working in these areas.

● A Strategic take-over with another font developer (ITR) was signed, by which, the ITR fonts are distributed exclusively with Shree-Lipi (Modular's current flagship product). With this arrangement over 90% of all Indian language fonts originally developed are now available with Shree-Lipi.

INDIAN LANGUAGE SOFTWARE PRODUCTS

● Devoting since 1983 to software development for the Indian Languages namely Hindi, Marathi, Gujarati, Punjabi, Bengali, Assamese, Oriya, Tamil, Kannada, Telugu, Malayalam, Vedic Sanskrit, Urdu, Sindhi, and foreign languages such as Arabic, Russian, and Sinhalese etc.

● For the DOS era, development of Desk Top Publishing (DTP) solutions for all Indian Languages, having screen preview, low-cost proof printing facility on dot matrix printers and high quality output on the laser printers, and laser image-setters. The DTP packages launched in 1989-90 had various advanced features for printing graphics and various transformations of fonts. The packages were very well received by the DTP market since these packages catered for their long standing requirements which remained unfulfilled by the imported English based software. The various brand-names of these software packages were **LASERSET, SCRIPTMASTER, and CHITRALEKHA**. Laserset was sold by Blue Star Ltd. under the brand name of **LINGUIST**.

● Development of solutions for Multimedia applications such as 3D Studio, Autodesk Animator Pro. etc. in form of the DOS based package Shree-Lekha. All Modular fonts and languages were made available under Shree-Lekha.

● Development of a DOS based multilingual word processing software package known as Shabda Sagar, with command structure similar to the most popular word processor WordStar.

SHREE-LIPI

● Shree-Lipi for the Microsoft Windows OS platform: The Company has been offering their fonts and Indian Languages composing software in the form of a package called **Shree-Lipi,** since 1993. Shree-Lipi consists of Indian language fonts, keyboard handlers (for various languages and keyboard layouts) and a host of other utilities, which are commonly required for desktop publishing. The utilities include a text editor, font styler, import utilities, conversion between various font formats, keyboard tutor etc. It also has optional utilities such as **Avishkar** the font styler, **Roopa** the text styler and **Suchika** the Multilingual database utilities.

● Presently Shree-Lipi, which is being launched in its version 7.1 and with a user base of over 250,000 authorized users, has become a de facto standard for DTP professionals and printing and publishing industry. This success of Shree-Lipi is attributed to its huge font library, large number of support utilities, efficient and prompt after sales service and willingness on part of the designers to cater to the ever changing requirement of Windows applications and customizations required for various language groups. Shree-Lipi is distributed throughout India through its extensive distributor and dealer network.Also Language specific Shree-Lipi software packages have also been launched for Hindi / Marathi (DevRatna), Gujarati (Gurjari), Punjabi (Gurumukhi), Bengali (BangaRatna), Assamese (Ashamiya Manik), Oriya (Utkal), Tamil (Tamil Vairam), Kannada (KannadaRatna), Telugu (Telugu Ratna) and Malayalam (Kairali) languages.

● Since the first version of Shree-Lipi launched in 1993, (Shree-Lipi 1.0), six versions have been launched in 15 years up to 2008, when the version 7.1 is being launched. In each successive version, the package has become richer and richer in features, Indian language fonts, utilities, supported applications under Windows, and compatibility with newer Windows versions from time to time namely Windows-3.1, Windows-95, Windows-98, Windows-ME, Windows-2000, Windows-2003, Windows-XP, and the latest Windows-VISTA.

- **Shree-Lipi Bengali Special -** This is the customized version of Shree-Lipi developed by Modular InfoTech Pvt. Ltd, exclusively for the West Bengal Govt. It was designed and packaged to suit the requirements laid down by the West Bengal Govt. This customized version of Shree-Lipi included support for the new font layout Bangla Academy, the layout designed by the Bengali experts to suit the requirements of Bengali language with transparent conjuncts. Apart from this a new utility named Bengali Spell Checker was also given to help the users in spell checking the Bengali words. It also included Official language dictionary utility.

- **Shree-Lipi Braille -** Modular InfoTech developed the Shree-Lipi Braille Translation software for English, Marathi, Hindi, Gujarati, Bengali, Oriya, Tamil, Kannada, Telugu, and Malayalam in January 2007. This software was inaugurated by the then President of India - Dr Abdul Kalam in January 2007. The Braille version of the President's Autobiography 'Agnipankh' in Marathi, created by Shree-Lipi Braille was also inaugurated by the President.

- **Shree-Lipi 7.1 -** The latest version of Shree-Lipi, being launched in 2008, contains variety of added features, largest library of fonts, keyboard handlers supporting all Windows OS versions from Win 98 to Vista, support to all the major Windows applications, Exchange utility to do font format conversion, independent word processor Patrika, Spell checkers for all the Indian languages, plug-ins for various Windows applications like MS Word, MS Excel, PageMaker, Adobe InDesign, Corel Draw etc., database handling utilities with specific Indian language requirements like sorting and conversions, a very large library of clipart and many more utilities.

ANKUR

- The Company released a multilingual software suite, **Ankur 1.0**, on CD for the Small Office Home Office (SOHO) segment in 1998. This software, which is a low cost software package, contains an independent word processor Patrika, a multilingual appointments keeping diary Smaranika, Indian Cultural Cliparts, fonts and Shree-Lipi entry version. The software became very popular in a short time. The next version of Ankur, Ankur 1.1, which contains enhancements and multilingual E-mail support, was released soon afterwards. Currently, Ankur 1.3 is the latest version in the market.

- **Ankur Professional**: The company launched India's first Windows based Multilingual Office Suite with look and feel in Indian Language for fulfilling the need of the SOHO Segment and the Corporate Segment in 2002. This covers the support for documentation, spreadsheet, statistical data presentation, database, in regional Languages. This package featured complete Indian language User Interface (like menus, prompts, messages, etc.), with support for typing in 11 Indian languages with high quality fonts, Indian Clipart, Word-processor, Presentation software, Spreadsheet, Drawing and Painting utility, Personal Organizer, Database Manager and Label maker, e-mail client, browser and MS-Office enhancement plug-in.

- **Ankur Office –** This was launched as an enhanced version of Ankur Professional in 2004 and was developed exclusively for SOHO and corporate segment. Several new features were added to make it more versatile and user-friendly. User Interface Screens, Menus, Messages, Hints, Helps, Manual etc. in all local language as well as in English is one of the key features. **Ankur Office** offers Multilingual localized Word Processor, Spreadsheet, Presentation, Personal Organizer, e-mail Client, Address book, Drawing & Painting, Charts drawing, Clipart viewer software. Apart from the above, there are a lot of other features available with Ankur Office.

INDIAL LANGUAGE ENABLEMENT SOFTWARE TOOLS

- **Shree-Lipi Samhita** - The toolbox for third party multilingual software developers was introduced in 1998. Shree-Lipi Samhita enables the Windows application developers to give Indian language interface to their applications, allow typing in Indian languages in application controls, do sorting as per Indian language sorting rules and do names transliteration from English to language and vice versa.

● **Web-Samhita -** The Company launched its Indian language toolkit and fonts for web-site designers with the name of Web-Samhita in 1999. Web-Samhita allows the users to do data entry and viewing in Indian languages in the web browsers. It contains specially tuned Indian language Dynamic fonts and supports a variety of keyboards, Web-Samhita also has monolingual and bilingual edit components which are fully compatible with Internet Explorer 4.0 or above and Netscape 4.08 or above for composing in Indian languages.

● **Indian Language Spellcheckers -** Modular InfoTech has developed **Spell checkers** and Transliteration utilities for all Indian Languages. These work with language dictionaries and rules and are a very vital tool for day to day use of offices, book publishers, newspapers and advertising agencies.

MULTILINGUAL APPLICATIONS

● The Company designed and launched various multilingual software applications from 1994 to 1999. All these applications were totally localized applications for Indian languages and contained all menus, help, manuals etc. in Indian languages.

● **Prateek -** Voters ID card project was announced by the Election Commission of India. Due to demand from the large client base, the Company developed a package called Prateek for the preparation of Voters ID card. It was the most successful package of its type in the states of Maharashtra, Karnataka, West Bengal, Assam, Madhya Pradesh, Rajasthan, Nagaland, Tripura, Andhra Pradesh, Kerala.

● **ArthaLekha** – Multilingual Financial Accounting and Inventory Management Software. Main thrust of this software is on accounting in vernacular languages and it contained many features that are useful for the people doing accounting in local languages.

● **Vidyarthi** – Bilingual school and college management package. It consisted of a set of six different modules for the management of student admissions, fee collection, student academic information, staff payroll, back-end accounting and Library Management.

Vetan Pranali – Bilingual package for maintenance of salary accounts, record, salary register and leave accounting of staff of educational institutions, semi government organizations, companies, small scale units etc. and maintenance of employee service record and income tax calculation system.

● **Smart Bazaar:** Point Of Sale software for markets and bazaars, which would replace the old 'cash register' concept and also provide additional managerial information like inventory control besides billing at the front end.

PROJECTS IMPLEMENTED BY MODULAR INFOTECH

● **Smart Information Kiosk for Pune Zilla Parishad -** Modular InfoTech developed software to display various information related to the working of different departments, which would be useful to the village level also. This software consisted of audio visual presentation where the information is displayed in the form of video, photographs and audio.

● **Smart Information Kiosk for Siddhivinayak Construction -** Development of software for display of information related to different construction sites to give information to the user regarding site location, walk through of the flats, detailed map, amenities and facilities available in their projects in each floor and in each individual flat. This was made accessible on 'Touch Screen'.

● **DudhGanga** software is India's first Bilingual Automated Milk Collection System, which is very helpful for Primary level co-operative societies to computerize their daily milk collection activities.

- **Dugdhalekha** software was developed for the milk Dairy segment wherein all the information at front end and back end was available. This package gives all features related to milk societies. This package can be integrated with DudhGanga (AMCU - Automatic Milk Collection Unit).

- **Keyboard Handler for Microsoft** - **"Indic IME 2" and OTF Fonts -** Modular InfoTech has partneredMicrosoft in developing various keyboard handlers for Indian languages. Modular InfoTech has also worked for Microsoft by developing software named **"Indic IME 2".** Microsoft has been shipping Indian language support for Hindi, Hindi Traditional, Marathi, Konkani, Sanskrit and Tamil languages with Windows 2000. But the IME available in Windows 2000 supports INSCRIPT as the keyboard layout for all the above mentioned languages. With Indic IME 2, this facility of inputting text is being extended by providing support for other popular keyboard layouts for all the above mentioned languages. Indic IME 2 provides support for Typewriter Keyboard Layout for Hindi, Hindi Traditional, Marathi, Konkani and Sanskrit. For Tamil language, Indic IME 2 supports Typewriter, Tamil 2, and Transliteration keyboard layouts. Indic IME 2 is an additional IME input application for inputting text in Indian languages in all the Microsoft Office XP Applications. This includes MS Word, MS Excel, MS Access, MS PowerPoint, MS Outlook, and MS FrontPage. Indic IME 2 is available as a free download to all the users from the Microsoft Web site. Once downloaded and installed, Indic IME 2 allows to type in Hindi, Marathi, Sanskrit, Konkani and Tamil language. Indic IME 2 requires Windows 2000 or above as the Operating System.

- **Open True Type Fonts** have been specially developed by MITPL for use by Microsoft in Devnagari, Tamil, Oriya and Telugu languages. TrueType Open is an extension to the TrueType font standard. TrueType Open fonts contain additional information that extends the capabilities of the fonts to support high-quality international typography. TrueType-Open addresses complex typographical issues that especially affect people using text-processing applications in multilingual and non-Latin environments.

- **Localization of Office 2003 and Windows XP -** Modular Infotech worked for localization projects for Microsoft, USA. This included localization of user interface and dialog boxes in Indian languages. Initially, in 2002, MITPL was awarded the localization project of office 2003 in Hindi which involves translation of MS office terms from English into Hindi using the tools provided by Microsoft and testing of user interface. Because of the extraordinary performance of MITPL in this project, Microsoft awarded localization project of MS office 2003 for 5 more languages namely Marathi, Konkani, Punjabi, Malayalam, and Bengali. Also the localization project for Windows XP for Marathi, Konkani, Punjabi, Malayalam, and Bengali was awarded. Localization project involved the translation of terms in English into specific language. Translated term should convey the exact meaning of the term in English. All terms are technical terms related to MS office 2003 and Windows XP. MITPL has a team of experts for these languages who are skilled linguist as well as the computer experts. Since MITPL is keen on maintaining the quality of the work we have a separate team of quality analyst, who are responsible for maintaining the quality of translation.

- **Spellchecker for Sun Microsystems, USA -** Modular InfoTech provided Indian Language solutions to Sun Microsystems, Inc., the leading provider of hardware, software, and services, for their base product Star Office. The various platform independent modules developed included Spell checkers, Transliteration, Collation, hyphenation for 6 major Indian Languages (Hindi, Marathi, Gujarati, Tamil, Kannada and Telugu). In additions to this Modular InfoTech has also provided them Unicode Fonts andClipart.

- **Embedded Software (firmware) development -** Projects for various printer-manufacturing companies for embedding Indian language fonts and composition logic in the firmware of the printers (DMPs and LMPs) have been undertaken.

- **POS Solutions development -** Project for development of Win-CE based Point Of Sale (POS) retailing software for dedicated terminals for Indian languages was done for a prestigious client.

- **Photoshop Plug-in development -** Project for writing Photoshop plug-ins for a European end-user.

- **Mail Server -** Project for design and development of the Indian language mail server in Kannada.

- **Tibetan Language Software -** Design and development of the Tibetan language composing and a mail server for computer center at Dharamshala.

- **Telugu software Components -** Development of server-side and client-side Telugu language enabling components for web for Hewlett Packard Company (India)

- **Quark Express Plug-ins -** Development of plug-ins for Quark Express for Deccan Herald Newspaper

- **Bengali Unicode Fonts -** Development of Unicode fonts and Bengali language utilities for Anand Bazaar Patrika.

- **Malayalam Unicode Fonts -** Development of Unicode fonts and Malayalam language utilities for Malayalam Manorama.

SERVICES

BUSINESS PROCESS OUTSOURCING (BPO) SERVICES

Modular InfoTech has experienced resources, well-defined processes and necessary infrastructure to provide the BPO services to end users. Modular InfoTech staffs experienced professionals and experts on document scanning, Imaging, OCRing, and indexing. Our production processes are streamlined and benchmarked with industry standards for producing quality output deliverables. Modular InfoTech understands customers' requirements of outsourcing the services and customizes its well-established processes to cater to the needs of individual customer including confidential and security measures, if so required. The processes are time proven and refined to a level which minimizes errors caused by human interventions. The processes include stringent Quality Control procedures, which ensure deliverables with highest accuracy levels as per individual customer needs. We are consistently meeting our schedules and budgets and have delivered output with accuracy levels of 99.95% to our global customers.

- **Documents and Books scanning -** Scanning of office documents and books, image processing of images and restoration, cleaning of text and archival is done - usually in .pdf, or any other user specified format.

- **Optical Character Recognition (OCR) -** The scanned text matter is subjected to automatic Optical Character Recognition (OCR) programs, and converted to text file in .doc format. The imperfections of this conversion are manually proof-checked and corrected. An accuracy of up to 99.5% can be obtained.

- **Data Conversion, Tagging, formatting and Indexing -** Data or text in various formats is converted to other formats, and if required, can be tagged and output given in XML or HTML format as per user requirements. Text data can be type-set / formatted in Desk Top Publishing packages like PageMaker, InDesign etc

- **E-book production -** Printed books can be converted to electronic books by scanning, OCRing, doing proof-correction, and tagging.

- **Data Entry -** English or Indian languages data such as application forms, insurance data, resumes, survey forms, names and addresses of directories etc. is entered in the required software and provided in the required tabular or text format as per user requirements. Data like names, addresses etc can be transliterated to different languages by using proprietary transliteration software, as per customer needs.

TRANSLATION AND LOCALIZATION SERVICES

- **Translation -** From English to all Indian Languages, French, and vice-versa. Books, technical manuals, documents, etc are translated by experienced translators of the particular languages with the subject knowledge. Modular InfoTech has extensive experience in this domain, and has developed in-house tools and aids for translation like vocabularies and glossaries of technical terms.

- **Transliteration-** Work for Transliteration, manual checking and correction of English language databases into Indian Language databases for names, addresses, and forms conversion from Indian Languages to English, is undertaken.

- **Localization of Software GUIs** - The Graphical User Interfaces of software programs are converted to various languages in an aesthetic accurate manner by using standard glossaries and terminology.

SOME PRESTIGIOUS CLIENTS

- Cambridge University Press, Singapore - Document scanning, XML / HTML Tagging

- Central Airport Authority of Singapore, Singapore - Document scanning and OCRing.

- CMC, Hyderabad, India – Multilingual development Tools

- Echo Library, England - Document scanning, OCRing

- Excellead Company, Japan - Open Type Fonts

- KELTRON, Cochin India – Shree-Lipi Multilingual Software

- Lipi Data Systems, Delhi, India – Line matrix printer Fonts

- Lion Bridge Technologies, Mumbai – Localization services

- Microsoft Corporation, USA – Indian Language Fonts and Localization for Windows

- Redhat - Open Type Fonts for Linux

- Reliance, Mumbai, India - Multilingual software.

- Sun Microsystems, USA – Open type Fonts, Indian Languages spell-checkers and tools.

- Tata Consultancy Services (TCS), Hyderabd India interactive multilingual software tools for web

- TVS-E, Chennai India – Indian Language Printer Firmware

- TVS-EShop, Chennai India – POS System – SPRINT

- WIPRO, Bangalore, India – Indian Language Printer Firmware

- WEBEL, Kolkata India – Bengali Software for Govt. of West Bengal

AWARDS

- In August 2000, Modular Infotech Pvt. Ltd. was awarded the **"Award for Best Computer Package in Hindi"** (Second Prize) from the Ministry of Information Technology for the product **Shree-Lipi Suchika.**

- In August 2000, **Shree-lipi** package was awarded **"PC Quest Users Choice Award"** (Runner up).

- In May 2001, Modular Infotech Pvt. Ltd has also won the award **"Award for Best Computer Package in Hindi"** (Second Prize) for the Bilingual Accounting package, **ArthaLekha** from the Ministry of Information Technology.

- Dr. M. N. Cooper, the Chairman and Jt. Managing Director of the Company received the **'Manthan Award – 2002'** from *Manthan Pratishthan* for Technical Achievement in the field of Computers.

- Mrs. Meena R. Joshi, Technical Director of the Company, received the prestigious **"Mrs. Leelavati Mehendaley Women Entrepreneur Award"** for the year 2001 by The Institution of Engineers (India), Pune.

- Mrs. Meena R. Joshi, Technical Director of the Company, received the **'Marathi-Ratna Puraskar'** of the *Marathi Bhasha Samvardhan Pratishthan*.

- In August 2004, Modular Infotech Pvt Ltd has won the award **"CSI-Infosys IT Awards 2003-04"** Category **– Best Shrink-wrapped Software** (First Prize) for the Multilingual Office Suite **- AnkurOffice.**

- In August 2004, Modular Infotech Pvt Ltd has won the award **"Boomi Brands Award 2004"** Category **-Language Software** (First Prize) for the Multilingual Software Package **- Shree-Lipi.**

- In February 2005, Modular Infotech has received the prestigious *"MMS Great Achievement Award 2005"* from the **Mumbai Mudrak Sangh,** on the occasion of MMS Golden Jubilee Function.

- In August 2005, Modular Infotech Pvt Ltd has won the award **"Boomi Brands Award 2005"** Category **-Language Software** (First Prize) for the Multilingual Software Package **- Shree-Lipi.**

- In August 2006, Modular Infotech Pvt Ltd has won the award **"Boomi Brands Award 2006"** Category **- Language Software** (First Prize) for the Multilingual Software Package **-Shree-Lipi.**

- In March 2009, Modular InfoTech Pvt. Ltd. has won **Hari Malini Joshi Award by MCCIA**, Pune for its Braille Library Concept.

- In August 2009, **Maharashtra Government** - Directorate of Industries has selected Modular Infotech Pvt. Ltd., under the category of **IT (R & D) Innovation for the Maharashtra IT Award .**