UNIVERSAL SOLUTIONS

AN ISO 27001:2013 CERTIFIED COMPANY

Application Development Department

Data Services Department

CADD & GIS Department

Survey Department

Systems Department

Customer Service Department

3D Modeling & Animations

Corporate Office

UPTC 0249, 2nd Floor, Upohar Town Centre, 2052 Chakgaria,
Kolkata-700 094, West Bengal, India
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Email : corp@unisolindia.co.in Web : www.unisolindia.co.in

Specialist in eOffice and OCR, OMR & ICR related Pre & Post Examination Projects

THE PROFILE

UNIVERSAL SOLUTIONS (US) is a premier IT Solutions and Services Company, catering to the sophisticated and stringent requirements of users and organizations. We deliver high quality, reliable and cost-effective IT services to customers. We are proud of our employees who bring their own diligence and expertise to meet the needs of our customers. Today, our solutions provide strategic advantage to several most-admired organizations.
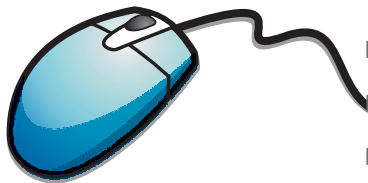
Milestones

UNIVERSAL SOLUTIONS is

- Recipient of MSME National Award - 2010
- An ISO 9001:2008 Certified Company
- An approved unit of NSIC, Govt. of India
- A registered unit of MSME, Govt. of India
- An empanelled unit of WEBEL, Govt. of West Bengal
- A listed unit of BCC& i, West Bengal
- A part of the DUN & BRADSTREET Global Database

Our Focus Area

UNIVERSAL SOLUTIONS offers a comprehensive range of software and IT solutions, including

- e-office - Electronic Document Management System (DMS)
- Pre & post Examination Process through OCR, OMR & ICR
- GIS and Remote Sensing
- Network Based Application Development
- Web Based Solutions
- DBMS & RDBMS Related Services
- Surveying, Mapping and Digital Cartography
- CADD Data Conversion
- IT Infrastructure Development
- Website Development & Web Hosting
- D.T.P with state-of-the-art Printing Technology
- 3D Modelling & Animation

UNIVERSAL SOLUTIONS is also

- Regional Partners of AutoDWG Products
  Innovative technologies to improve read, write, encrypt, share and convert between files of PDF, DWG, DXF, DWF, SWF and GIF formats.
- Distributor of AnyDWG CAD Conversion Products

THE ADVANTAGES

Backed by over 800 Man Years of industry and management experience in the Software Development and CAD / GIS segments.

Universal Solutions

is geared to meet customer's expectations with accuracy & cost effective technology.

is dedicated to provide single-point services to cater to your complete Software Development and GIS/CAD requirements, for both Products as well as Services.

offers services to provide development of online, user friendly, customized packages as per the client's requirement.

continually strives to deliver its products, services and solutions with unparalleled accuracy, speed of service and punctuality.

is striving to understand the changing customer needs, and enrich their quality of life by simply making the technology readily usable for them.

Focus On Quality

It is an ISO 9001:2008 certified company and is focused on delivering quality results, first time and every time. Its Project Division works in close co-ordination with customers to establish the highest standard and quality.

Confidentiality

US is capable of undertaking high security jobs where strict confidentiality is maintained.

From the Proprietor's Desk

Dipankar Roy,
Proprietor

Universal Solutions is an IT related company, which, though not very old, has climbed from peak to peak in course of the thirteen years gone by. The secret of our success has been TQM (Total Quality Management) and adherence to time schedule. We have obtained ISO 9001:2008 certificate for Quality Management System(QMS). In our work-force there has been a beautiful combination of the experience of age and youthful energy. We have been performing both in the fields of software and hardware. Besides that we have a team of experienced survey professionals who have successfully completed quite a number of survey jobs in difficult terrains. Our objective, in all we do, has been the customer's delight. We have nearly 250 satisfied customers in our list, both in the private and public sector. In the pages following we have tried to give, in a nutshell, the different varieties of jobs that we have performed and are capable of performing with accuracy and precision to the satisfaction of our customers with a view to building a long-lasting relationship with them.
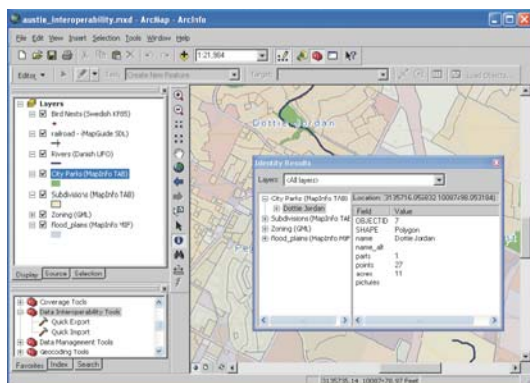
S ERVICES

Software Development

- Database Applications
- Web Based Solutions
- Client Server Based Applications
- Customized Software in Regional Languages
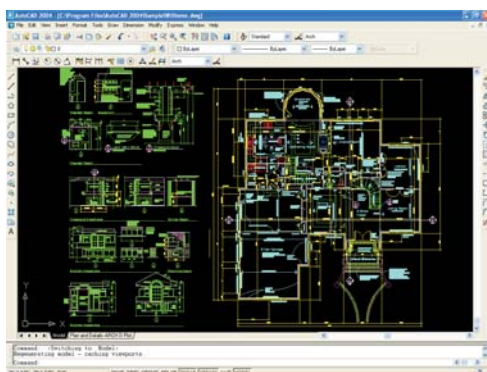- Sales of Hardware & Software
- AMC

GIS and Remote Sensing Services

- Data Creation, Data Capture, Data Conversion
- Data Translation, Data Migration
- Analysis (Thematic, DTM, Image Classification / Rectification)
- Application Development (Query Shells, Web-enabled)

Document Management Services

- Digital Conversion of Documents
- Scanning, Cleaning, Raster Editing, Finishing
- Pre and Post Examination Processing
- OCR Conversion
- OMR & ICR Form Processing
- Archiving
- Cataloguing, Book Marking, Indexing
- e-Office / eOffice (N.I.C.)

CADD Services

- Digital Conversion of Engineering Drawings
  - Scanning
  - Raster Cleaning & Editing
  - Digitization
  - Plotting
- 3D Modelling of Components
- Programming / Scripting

3D Modelling & Animation

- Mechanical 3D Modelling
- Interior 3D Modelling
- Walk through / Animation
- 3D Character Animation

Specialist in eOffice and OCR, OMR & ICR related Pre & Post Examination Projects
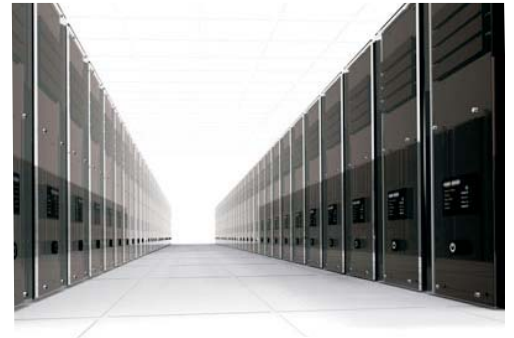
SERVICES

IT Infrastructure Services

- Hardware Peripherals / Networking
- Email hosting
- AMC

Web Based Solutions

- Website development
- Website registration
- Website hosting
- Search Engine Optimization

D.T.P with state-of-the-art Printing Technology

- Layout Designing
- Colour Offset Printing
- Colour Laser Printing
- Bulk Laser Printing
- Printing of Confidential Documents *(Ballot Paper Question Paper, Examination Answer Paper, Electoral Roll)*
- Security Marked Documents *(Marksheet with hollogram, Certificates, all types of Identity cards* (EPIC etc.)
- Mflex & PVC printing *(Banners, Posters, Advertisement)*
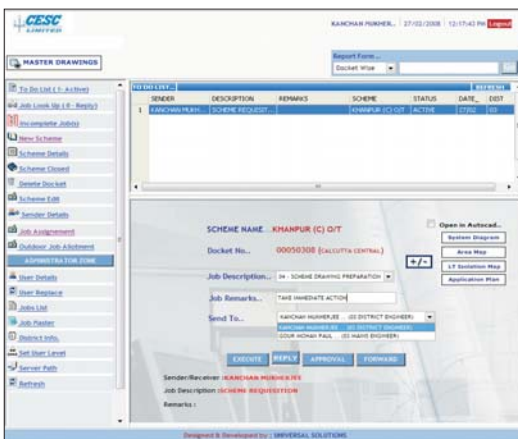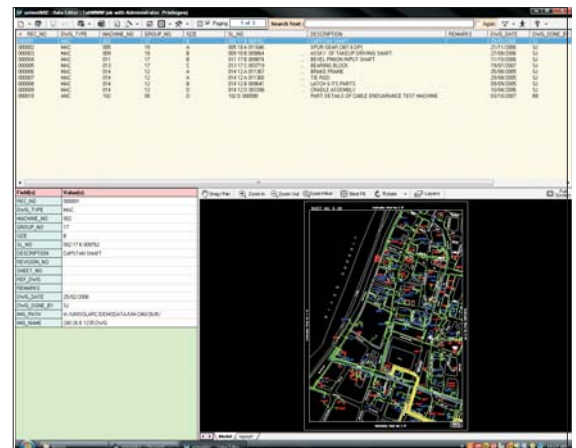- OMR Printing

Survey Works

- Surveying, Mapping and Digital Cartography
- Survey and Management of Data for Land and Building,
- Survey for Municipal Taxation
- Contour Survey - Planimetric and Height control
- Extensive Data Collection and Analysis
- Alignment Surveys for Utilities & Utility Mapping
- Property & Cadastral Survey, Mapping and Validation
- Centre Line and Detailed Pipeline Route Survey
- Route Optimization
- Hand held GPS Survey
- DGPS Survey

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SOME OF THE SOFTWARES DEVELOPED BY US

■ **unisolARC©**

unisolARC© for management & viewing of Digital Documents & Drawing through both network based application & web based application.
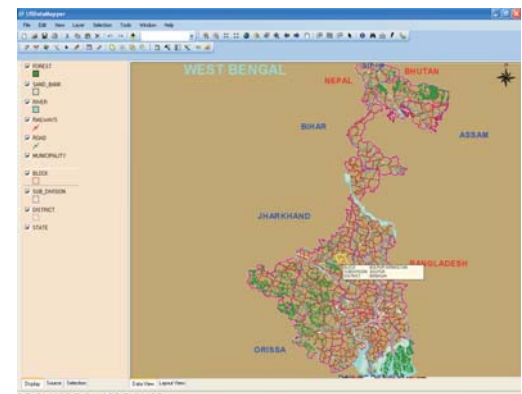
■ **CESCtrack**

Web based solution for tracking of CAD drawing jobs related to schemes & fault repairing by a power distribution company at Kolkata.

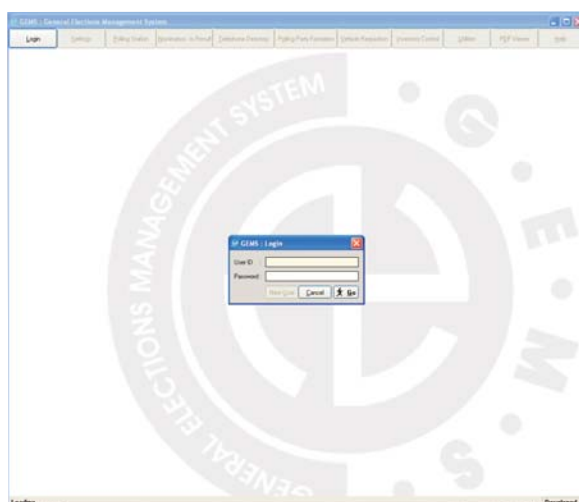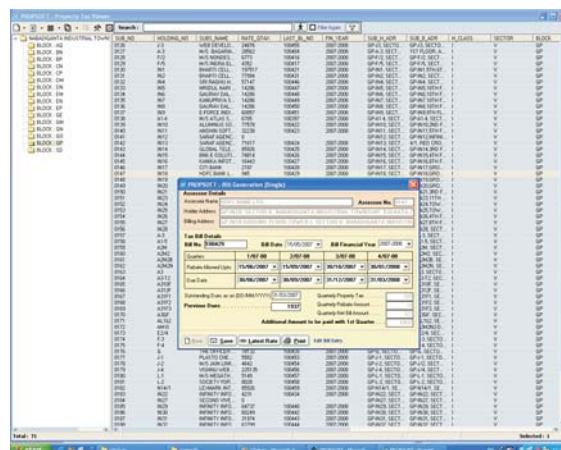■ **USMapEditor and its Subset USMapViewer**

GIS data viewer and Analyser to add, view and analyse the GIS thematic map and provide map with different colours for better representation of tabular data.

SOME OF THE SOFTWARES DEVELOPED BY US (Contd.)

■ **PropSoft**

Property Tax Management Software for Assessment Details, Bill Generation, Printing of bills & Collection of property tax by Municipal bodies.
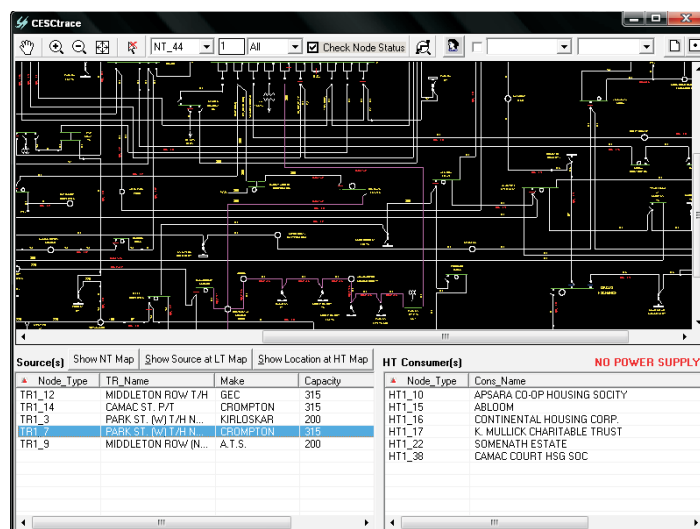

■ **GEMS**©

General Election Management System (GEMS©) for monitoring, compilation, analysis, query and report generation of the elections conducted by West Bengal State Election Commission.
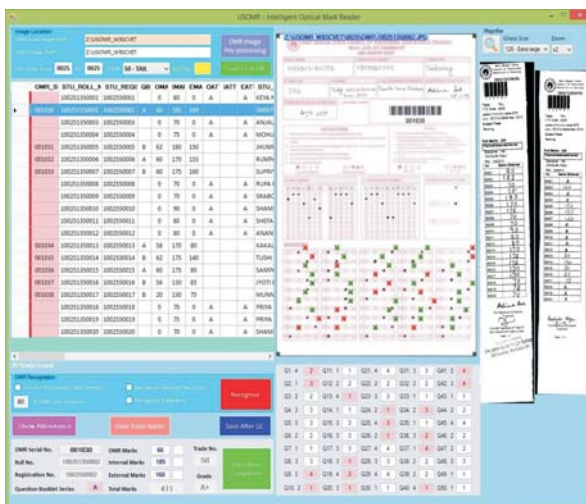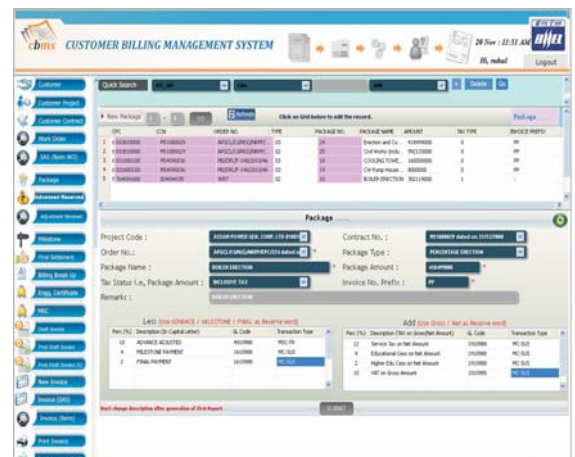
■ **CESCtrace**

For tracking connectivity & flow of electricity through schematic diagram.

SOME OF THE SOFTWARES DEVELOPED BY US

■ **BHEL CBMS**

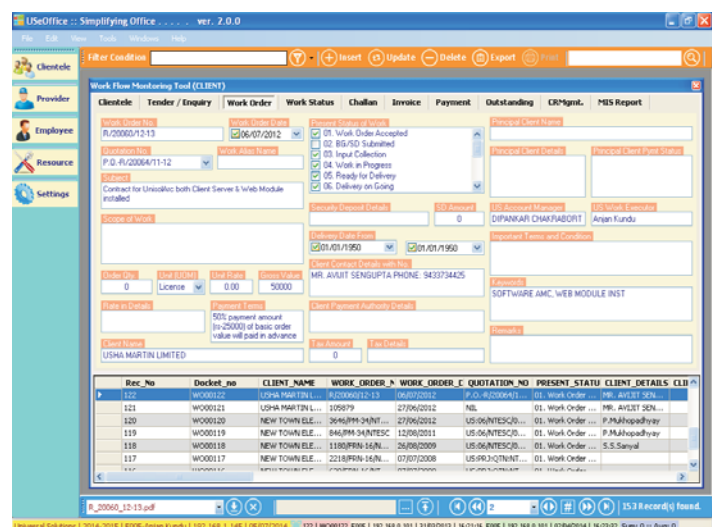Development of Customer Billing Management Software for BHEL, PSER.

■ **USOMR**

Development of software for Post-Examination OMR Processing / Tabulation.

■ **USeOffice**

An office automation tool for simplifying your day-to-day office activities.

Specialist in eOffice and OCR, OMR & ICR related Pre & Post Examination Projects

INFRASTRUCTURE

Hardware

- A0 Scanners
- A3 Scanners
- A4 Scanners
- A3 Laser Printers
- A4 & Legal Colour Laser Printers
- A0 Inkjet Colour Plotters
- A4 & Legal size Laser Printers
- A4 High Speed Scanner
- 136 Column Dot Matrix Printer

- Pentium / Core i5, i7 based PCs
- Laptops
- HP & IBM Servers
- CD/DVD Writers
- Portable/External Harddisk
- Bio-Metric devices (Finger Print & Iris Scanner)
- CCTV / IP Camera Surveillance

Software

- Software Development Kit (Microsoft, Sun, Adobe, C-DAC, Third Party Tools)
- RDBMS like MS SQL Server, MySql
- ESRI software development kit
- ESRI software suite
- DTP Software suite (Adobe, Corel)
- AutoCAD & AutoCAD Map
- ICR, OCR & OMR Processing Software, Data Management System Software
- Various conversion and automation tools
- ERDAS Imagine
- Office Automation Tool
- Antivirus
- IIS, Apache Tomcat

MANPOWER

Over 800 Man Years of ITES industry and management experience in Survey, Software Development, CAD / GIS, Data Management Service and Printing segments.

Senior Executives

K. K. Chakrabarti, IAS (Retd.) – Chief Adviser (Corporate)

A. K. Dasgupta, Ex. Chief (Finance) Joint Plant Committee (SAIL) – Senior Adviser (Admin.)

R. Viswanathan, Ex. Manager, Union Bank of India – Senior Adviser (HR & Projects)

Project Managers are

- Industry-experienced in the fields of IT and GIS/Remote Sensing projects
- Experienced in Software system design, documentation and implementation
- Experienced in handling large volume of data

Project Coordinators are

- Industry experienced in interpretation of clients' needs for the best of services
- Experienced in delivering hands on and training on site

Quality Control Officers are

- Experienced in Quality Management System as per International Standards
- Experienced in handling confidential documents

Team Members are

Experienced in Software Development skill for

- Windows, Linux
- Client Server and Distributed System
- MS Visual Studio, .NET, Java, Jscript, ASP, VBscript, C/C++.
- Oracle, MS SQL Server, MySQL, MS Access, Foxpro
- IIS, Apache Tomcat
- ESRI MapObjects / ArcObjects, Avenue scripts, VBA for AutoCAD, MS Office and other applications

Experienced and skilled Operators in

- AutoCAD, Bentley (Microstation), ESRI, PCI (Geomatica)
- Data capturing and Data entry for offshore and on site project
- Scanning, Printing, Data Conversion, OCR, OMR & ICR Form Processing
- Survey and GIS data conversion with Cartography

Specialist in eOffice and OCR, OMR & ICR related Pre & Post Examination Projects

FLAGSHIP PROJECTS

- Pre Examination Processing Work for SSC(ER) and WBSSC
- e-office Projects – Process & Development – for Office of DM, 24 PGS (S)
- OMR Processing Work Tabulation for WBSCVE&T and Presidency University
- Livestock Census Management System (LCMS)
- General Election Management System (GEMS$^{©}$)
- Maintenance of LMAPS – GIS based Logistic Operational Tool
- CESCtrack - Web based tool for tracking draughting process related to schemes & faults.
- unisolARC$^{©}$- Electronic Drawing & Document Management and Archival System.
- USMapEditor and its Subset USMapViewer
- Development of GIS based bilingual www.livestockcensuswestbengal.org
- Kolkata Municipal Corporation Survey Works Including Location Survey.
- Detailed Survey and Mapping for Fisheries Department including Water Bodies Survey and Rapid Verification of Data on ground from satellite imagery

SOME OF OUR VALUED CUSTOMERS ARE

- Staff Selection Commission (ER), Govt. of India
- West Bengal Staff Selection Commission
- West Bengal State Council of Vocational Education & Training
- Presidency University, Kolkata
- Jadavpur University
- Silpabarta Printing Press Ltd. (A Govt. of West Bengal Undertaking)
- West Bengal State Election Commission
- Animal Resources Development Department, Govt. of West Bengal
- Calcutta Electric Supply Corporation (CESC) Ltd.
- Kolkata Municipal Corporation (KMC)
- Bharat Heavy Electricals Ltd., Kolkata
- Ramakrishna Mission Residential College, Narendrapur
- Durgapur Steel Plant & Bokaro Steel Plant (SAIL)
- West Bengal Housing & Industrial Development Corporation Ltd.
- Directorate of Land Records & Surveys, Govt. of West Bengal
- Asansol Durgapur Development Authority (ADDA)
- Usha Martin Ltd., Ranchi, Jharkhand
- New Town Electric Supply Co. (A Jt. Venture of WBSEB)
- West Bengal State Electric Distribution Company Ltd. (WBSEDCL)

Thank You