

Express Computer Lab

106, "Divyam Complex", Khodiyar Colony, Jamnagar Gujarat India - 361006 Ph. +912882711222

www.eclgroup.in

Firm General Information

Firm Name : Express Computer Lab

Registered Office : 106, "Divyam Complex", Khodiyar Colony,
Jamnagar - 361005 Gujarat India - 361006

Contact No. : Ph +912882711222

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Date Firm Formed : 26-11-2006

Main Business Activities : All Information Technology Hardware Accessories
Sales & Services Information Technology (IT)
Education Center firm based at Jamnagar Gujarat in
India in the year 2006



Our IT Related Services

We can also provide below mentioned services related to Information Technology.

- Site Services
- Web Site Developing
- Computer System Supply
- We Provide Computer System Yearly Rent or Supply
- Teaching Facilities as per your Requirement for School & College Organization
- Computer Maintains
- All Type of Printer Machine Repairing &
- All Type of Cartridge & Toner Riffing
- Networking Equipments
- Site Engineer & Site Help Desk
- Geographical study using GPS-Feasibility Path Study –Equipment Selection
- Mast / Antenna heights- Favored location status
- Path loss analysis & R F studies - Link stability
- Standard installation procedures- Engineering practice
- Annual Maintenance Contracts
- Warranty, As per terms & conditions of Supply Company
- PTZ Camera
- Fire Alarms
- Fire Panel Installation
- Smoking Detector
- Door axes accessories
- Security Automation
- Regulation

Warranty service at Service Centers-Facility for One Time Repair [OTR] of equipment
Annual Maintenance Contracts- Training

Welcome

Site Services acts solely on behalf of its client in researching destinations and negotiating with hotels for off-site conferences and meetings.

“Site Services has years of professional experience, which include strong negotiation skills and industry partnerships; and they provide a valuable service to their clients.”



Let us be your partner! We provide the highest quality, lowest cost test and report package in Gujarat India. We also have the most innovative options for doing business. We want to be a seamless extension of your company's existing regulatory/quality capabilities.

Let us design a custom plan for your business & your technical requirements.

Welcome To Web Site Developing

Web design, Web promotion, Search engine optimization, Web hosting and Domain registration, Jamnagar India - We expertise development using - XML, XHTML, CSS, Flash, HTML.

ECL is a web development company based in [Jamnagar](#), Gujarat, India providing a full range of web services at accessible cost since it was established in 2006. Our web developer are specialized in building dynamic and table less layout web sites and high end e-commerce web site development.

WEB DESIGNING

Web designing is all about creating a stunning website, streamlined with user interactivity, well-versed with information-rich content.

The first impression is often the last impression. Hence, the need for an aesthetic website arises as it creates long lasting impressions in the minds of the users.

DEVELOPING

Developing a web involves a series of steps and processes. User utility and interactivity is of foremost significance here.

A standardized software development methodology helps us to provide cost effective and efficient business solutions.



SERVICES / WEB DESIGN

Provides website design, redesign or flash web design depending on your preference and requirements at affordable cost.

Web Design

Over years, we have mastered the art of creating appealing online identities for our clients in form of elegant and aesthetic web designs that are quick, user-friendly and address the target audience to effectively fulfill your business needs.

We believe it is important to understand the underlying business need before a website can be conceptualized. We understand your business objective and find the fitting solution to address the same. Web designers at ECL then create an appealing brand image a pleasing web design with functionalities that meet and exceed your expectations.

We embed complex business functions in simple and elegant designs. We consider our designs as an all-important bridge between the technology and the end users designs that are consistent, easily navigable and SEO friendly.

ECL's web design service bouquet includes:

- Website conceptualization
- Website Designing
- Website HTML conversion
- Graphics development and animations
- Flash Introductions
- Flash Presentations
- Scripting

ECL's Advantage:

- Strategic thinking for your business
- Full SEO services for website for increased traffic
- Increase brand visibility through best of the breed web designs
- Reduce Total Cost of Ownership by outsourcing your web development needs to ECL
- Access to highly skilled resources
- Access to round the clock services and support

Tools Expertise:

- Our designers are well versed with web design and development tools like:
- Macromedia Flash , Illustrator, Director,
- Macromedia Dream weaver , JavaScript, Java Applets
- HTML/DHTML/CSS, XML
- Real tools for audio and video integration.

SERVICES / WEB HOSTING

ECL delivers a high-speed, affordable web hosting services with high quality support to our customers. Choosing the right company for business web hosting is vital to the success of your site.

ECL offers complete range of managed dedicated and shared web hosting services and applications that are fully customizable to your business needs. Our web hosting solutions are not only secure, but also reliable, scalable and affordable.

We endeavor to ensure that our clients can access all web solutions under a single roof which is the reason we also provide complete domain name registration services. We work with our clients to identify the best suited domain name that meets their business perspective and then register the same over the World Wide Web.

ECL offerings in web hosting include:

- Managed dedicated web hosting
- Enterprise level hosting solutions
- Managed shared web hosting
- Small business web hosting
- Corporate E-Mail Solutions
- Customized Web Panel
- SSL Certificates and Payment Gateways

ECL's core strengths in managed hosting includes:

- Maximum uptime
- Cost effective hosting services
- Access to both Indian and USA servers
- Hosting at high end data centers
- High speed servers for faster access and better performance
- Ongoing backup policy to prevent data loss
- Round the clock service with fast turn-around times

SERVICES / DOMAIN REGISTRATION

A domain name is a unique Internet address. It is very important to select the right domain name for domain registration. A unique domain name is your first step in joining the Internet community and ECL helps you in that.

The Internet presents business with an enormous opportunity. Millions of people are already connected and the numbers are growing daily. A domain name is a unique Internet address that can be used for web hosting, email, etc. It is your company's identity on the World Wide Web (www). Your domain name, not only reflects your business, the industry you are in and the country in which you operate, it is your customers' first point of contact because it forms the basis of your email and web site addresses. E.g.: Website: www.yoursitename.com

SERVICES / SEARCH ENGINE SUBMISSION

ECL Search Engine Optimization (SEO) services are aimed at assisting clients to evaluate, optimize and promote their web site in an effective manner. The end result of our web site optimization services provides better content for the search engines.

ECL helps you get Top Search Engine rankings with Google, Yahoo, MSN, Alta VISTA etc. through professional SEO services by our SEO Experts. Our experts lay out an appropriate SEO strategy and process that enable us to deliver desired search engine rankings for our client's websites. We evaluate and research on the keywords, phrases and descriptions. We then analyze the website for SEO friendliness. Finally we draft appropriate keywords, descriptions, image tags, content and overall website structure to make it SEO friendly. We also carry out a research on the search terms frequently used by the searchers. We provide documentation services so that your website's content is SEO friendly. We have over 95% success ratio for all the SEO projects we have carried out so far which makes us one of the most dependable SEO partners around.

Facts about Website Promotion: You MUST promote your website. The Reason ? You are competing with many other businesses. You can't just drop your site in humongous Internet pool and expect immediate clicks and sales. Think about your site not as advertising, but as a store-front that needs to be advertised to be found. Basic search engine optimization (SEO) is a minimum you must do for your site; otherwise NO ONE will ever find it.

Basic SEO + incoming links + fresh website content is a lean and mean formula for online success. You can promote your website yourself - there are many do-it-yourself resources available subscribe to Internet marketing newsletters, build relevant links, keep learning and experimenting, but don't kid yourself - it is time-consuming. If you decide to hire professional help, start with your web development company - see if they provide search engine optimization and website promotion services or if they can recommend someone who does.

SERVICES / MULTIMEDIA CD PRESENTATION

ECL understands that multimedia applications are the most effective marketing tools and so it provides its users the best. Content Delivery and presentations are seeing a new dimension – thanks to all the advancements in multimedia and animation.

ECL understands that multimedia applications are the most effective marketing tools. Businesses need rich multimedia applications for e-learning, training and sales.

ECL possesses excellent skills required for developing rich multimedia e-brochures, presentations and e-learning material.

We possess absolute knowledge of converting smart ideas into great multimedia presentations that has helped us deliver prestigious multimedia solutions to tourism and healthcare industry segments.

We have an integrated team of creative designers, theme developers, writers and multimedia developers who know how to get results for our customers.

We have consistently delivered return on our client's investment by providing multimedia solutions that exactly fit their business needs. Creative approach, innovative design, personal attention and customer satisfaction are the main aspects of our work.

ECLS Offers:

- Online Product Demos or Flash Manuals:
- CD brochure or digital multimedia presentation
- Flash Web Intro
- Flash Banners
- Corporate Web product Launch Demo
- Flash Product and Software Feature presentations

SERVICES / E-COMMERCE

ECLs can be a key ally in implementation of your E-Commerce ventures, which requires an adept business sense, a thorough knowledge of secured transactions and web technology required to do so. The emphatic role of Web in new economy business needs no introduction. Introduction of e-commerce has changed the fundamental paradigms of businesses. With e-commerce, the products have broken the physical barriers of boundaries.

With regulatory framework being more conducive for e-commerce, the industry is on an upwards trend.

ECLs can be a key ally in implementation of your e-commerce ventures, which requires an adept business sense, a thorough knowledge of secured transactions and web technology required to do so.

We have so far developed some of the most sophisticated e-commerce applications for our clients in India as well as abroad.

ECL also offers :

- Interactive e-commerce web sites with shopping cart.
- Powerful and easily configurable store management from a Web Browser.
- Utilize real-time payment processing or manual credit card processing.
- Easy Seamless integration of the online store into the Web site.
- We develop membership based Web Portal / Vortal.
- Integration of ecommerce web site with pay pal, 2checkout, ccbill, 1shoppingcart, worldpay and many more web payment gateways.
- Dynamic Photo gallery web sites with custom water marking on images.
- Limiting viewrs to sign in for photo sharing and viewing each time custom CMS
- Large custom portal / Vortal
- Web based dynamic CMS driven and managed Website.
- Business web application development such as Marketing Communication System, Dealer/Distributor Online Ordering System.

SERVICES / GRAPHIC DESIGN

Graphics are ubiquitous – and are the most important means of visual communication using text and images to present information or promote a message. And there too ECLs will be for your help.

We create vivid impressions through our qualitative two/three dimensional graphics development services. Graphics are ubiquitous – and are the most important means of visual communication using text and images to present information or promote a message.

We have mastered this art of embracing vivid imaginations to render high quality graphics.

ECL is into graphics designing since a decade now where we have supported large scale clients for their web designing and graphics designing needs. Our work reflects high quality of real graphics designers.

We extend complete corporate identity to our clients inform of logo designs, card designs, creating their online identities in form of websites and their corporate presentations.

ECL offers:

- Interactive Web Designs
- Logo Designing.
- Letter heads and stationery design
- Web site headers
- Brochures Design
- PRINT MEDIA including brochure handouts, leaflets and newsletters
- Product Packaging material.

SERVICES / FLASH ACTION SCRIPT

ECLs is a web development company providing a full range of web services including web design, web promotion, search engine optimization, web hosting and domain registration at affordable cost.

Express Computer Lab

ECL Jamnagar Gujarat India is a leading flash website Design Company that offers a full range of web development services for small, medium and large businesses. What distinguishes ECL from other web design companies is that we are a unique and innovative web site design company specializing in eye-catching graphic designs and dynamic flash content involving action script.

We would use Flash to deliver an astounding, dynamic website design, Flash intros, Flash presentations, Flash interfaces and Flash banners coupled with motion and sound effects to you.

ECL is your single source for every phase of Flash development from needs analysis and story boarding, to graphics design, photography and narration management, animating, Action Script and server programming.

ECL flash web designers pride themselves on defining the state-of-the-art in corporate Flash design. From basic animations to advanced Flash applications, our designers' depth of knowledge and experience can help you unleash the full power of Flash.

Our Flash web design is Classical, cool and trendy, dark and mysterious, light and minimalist, high tech, or cartoonist, or whatever the web design preference is.

We, as flash web site designers would fulfill A-Z requirements pertaining to a world class website design involving flash content.

SERVICES / WEB MAINTENANCE

ECL provides website design, redesign or flash web design depending on your preference and requirements at affordable cost.

Web Maintenance

Is your website not performing as intended? Do you have issues with your existing website in terms of functionality, link structure, dead links and defects? Get in touch with us to avail **our web maintenance services** which **include:**

- Maintenance of existing web applications
- Testing and Defect Fixing
- Implementation of new features
- Website Layout redesigning
- Updates Implementation
- Consultation on improvement areas, third party reviews
- Ongoing optimization Top

SERVICES / SEO

ECL is a web development company providing a full range of web services including web design, web promotion, search engine optimization, web hosting and domain registration at affordable cost.

ECL is a web development company based in Jamnagar, Gujarat, India providing a full range of web services including web design, web promotion, search engine optimization, web hosting and domain registration and all internet services at accessible cost since it was established in 2000. Our web developers are specialized in building dynamic and tableless layout web sites and high end e-commerce web site applications using Web 2.0, ASP.Net, PHP, Our custom Web site Design solution to enabling the company's mission to provide customers with stable and reliable web site development.

SERVICES / FLASH ACTION SCRIPT

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OUT SOURCE TO US

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SERVICES / TESTIMONIALS

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Computer Maintenance



Ten Tips to Keep your Computer Running Smoothly

1. Never, never, turn your computer off with the power switch until Windows has shut down.

The one exception to this rule is when your computer locks up and your hard drive is not running (hard drive light is not blinking). In this situation, you can turn the power off without harmful effects to the hard drive. As cutting the power can also result in lost data or Windows files, you should only do this when you have to.

Following this rule will prevent permanent hard drive defects caused by the hard drive heads contacting the surface of the drive disc, and it will prevent a host of Windows problems. Whenever possible, recover from crashes by pressing the Ctrl + Alt + Delete keys at the same time. Press them again to reboot your computer.

2. I highly recommend that you purchase an UPS (uninterruptible power supply) for your computer.

This will keep your computer from crashing during power outages, and will protect your computer from low and high voltage occurrences.

An UPS is far superior to a surge protector and will save your computer from almost any type of power disaster. (See #1 above for what happens when your computer crashes.)

3. Backup, backup, backup, any data you cannot afford to lose to at least two separate physical drives. So backup data to external hard drives, Zip disks, CD-RWs etc.

The time to backup is when you create something you can't afford to lose. Don't wait until tomorrow.

4. Run Scandisk and Defragment at least once a month. This will keep your hard drive healthy and prevent crashes. Alternatively, purchase Norton Utilities and use it to keep your hard drive healthy.

5. Never unplug peripherals from the computer when it is powered up. Unplugging with the power on can short out the connector socket or the motherboard. The only exception to this rule is if you know a peripheral is "hot pluggable". If you do not know what "hot pluggable" means then ignore this exception.

6. Do keep at least 300 MBs of your C: drive free for Windows to use. If you use Windows XP or Vista then you should have 400-600 MBs of free space on your C: drive.

If you do not have enough free space you will choke Windows and it will start dumping data to your hard drive, or it will just get really, really, slow.

Use the ADD/Delete tool in the Windows Control Panel to delete unneeded programs from your drive.

You can also use clean sweep included in Norton Utilities to clean up your drive. If you do use clean sweep or another hard drive cleaner, do not delete shared files unless you back them up. The cleaners do a rotten job of knowing if another program uses shared files.

7. Do not let a lot of programs load up when you start your computer. They use valuable memory and Windows Resources (Windows internal workspace).

All programs in your Windows System Tray (in the lower left of your screen) are running on your computer.

Close them if you don't need them or run them and configure them not to load when you boot up.

Other programs running in the background can be found by pressing Ctrl + Alt + Delete at the same time.

8. Do use a virus checker regularly. Everyone should use a virus checker. The best type of protection is continuous monitoring from a dedicated anti-virus program like Norton Antivirus. The second best thing is to use the free online virus checkers such as House call provided by Trend Micro.

9. If you have a high speed Internet connection you need a firewall program. A firewall program keeps those who want to hijack your computer from gaining access to your system. You really do not want someone else running your computer.

I suggest you purchase and run Norton's Personal Firewall program. Your firewall should boot up with your computer to protect it from invasion.

Case in point: When I am online 10 hours or more with my DSL connection, my computer is usually attacked by a hacker at least once.

Do not think you are safe from hackers!! Hackers use search programs to seek out computers at random. Get a firewall program and use it.

10. Keep track of the software disks you receive with your computer and new peripherals. These disks contain valuable software drivers and programs for Windows and are needed when Windows must be reloaded. Keep these disks and your Windows software disks in a safe, dry, place -- you never know when you will need them.

Networking Equipments



Computer networking, wireless network, router, hub, repeater, adapter, firewall

Networking equipments are used to link a number of devices, such as computers, servers, workstations, printers, and scanners into a network (system) for the purpose of sharing resources. Networking of computer systems and other electronic devices has become a necessity for most working environments. A local area network (LAN) is a local computer network sharing the resources of a single processor or server within a relatively small geographic area. Most LANs are confined to a single building or group of buildings. A wide area network (WAN) is a geographically dispersed telecommunications network that uses phone lines, microwaves, satellites, or a combination of communication channels to connect several locations. WANs are LANs connected together using technologies such as plain old telephone service (POTS) lines or PSTN (public switched telephone network), ISDN (integrated services digital network), digital subscriber lines (DSL), frame relay, ATM (asynchronous transfer mode) or other high speed services. A networking system consists of multiple computing devices which include computers, peripherals, interface cards and other equipment needed to perform data-processing and communications within the network. Commonly used networking devices includes repeaters, switches, modems, hubs, firewalls, splitters, multiplexers, routers, bridges, gateways, servers, and the network interface card on computers.

DSL,ADSL MODEM

A modem is a device (modulator/demodulator) used for data transmission from or to a data communication equipment such as a laptop or a personal computer over communication circuits. Digital subscriber line (DSL) is a technology that provides high-speed communications using telephone lines. DSL modems provide the ability to transmit data at higher rates across twisted pair telephone wiring. Asymmetrical digital subscriber line (ADSL) modems offer a high speed alternative to conventional analog voice band modem technology. DSL uses a number of technologies such as quadrature amplitude modulation (QAM), carrier less amplitude and phase (CAP) modulation, and discrete multi-tone (DMT) modulation to encode and decode data on a single carrier frequency.

COMPUTER NETWORK SECURITY SYSTEM

Computer network security systems allow network nodes to have several software applications that use the same security enforcement rules by having a cryptographic application which is accessible by each of the applications. Modern network communications systems employ facilities for security measures to protect transmission data from the potential risk of piracy, alteration, and other illegal access to the data. A network intrusion detection system provides capabilities to identify and respond to malicious or anomalous activities aimed at networked systems. Software protection of computer data can be enhanced by the use of specialized computer hardware that provides additional security functions. Firewalls are intermediate systems coupled between a protected network server and the internet.

COMPUTER FIREWALL PROTECTION

A firewall serves as a security enclosure around a private local area network (LAN) of computers and associated peripherals. Firewalls shield data and resources from the potential ravages of computer network intruders. Firewalls typically incorporate hardware and software to prevent an outside user from gaining unfettered access to internal assets. The firewall is a specially configured computer that can interrupt the flow of communications between two or more computers. Firewalls can be implemented in routers, special firewall appliances, and bastion hosts at the connection point of two or more computer networks. Personal firewalls are a software application running on a personal computer. Packet filtering is the action a firewall takes to selectively control the flow of data to and from a network.

NETWORKING

Informatics has qualified, trained and certified installers for Structured Cabling Systems. Informatics specialized in Fiber Optic Cabling, Backbone Cabling, Cat 3, Cat 5 & Cat 6 Cabling for Voice and Data Networks. The site survey for evaluation of new or existing facilities, identification, testing and documentation of existing cables are done with the perfection to provide error free networks for years to come. The state-of-the-art cable installation and the standards maintained by us always deliver quality installation. Informatics provides detailed and documented project plan of the installation to keep our customers apprised of the progress. Many competitors in the market engage third-party engineering support for installing structured cable systems due to which the network quality cannot be guaranteed. From cable pulling, terminations, testing to commissioning of any sites, are handled by our qualified engineers for better control and speedier work done. To support the growing demand for speedy network and high-speed links to entire network, Informatics provides a wide selection of Gigabit Ethernet solutions to address the challenges associated with the rapidly increasing and unpredictable nature of network traffic. The information access at anytime, anywhere is becoming essential for companies to perform well in business competition; a delay of minutes may cause few millions now days, keeping this fact in mind Informatics offers end-to-end Internet networking solutions including multi-protocol routers, LAN/WAN and wireless switches. Informatics offers complete integration of wireless technology and provides onsite installation and maintenance.

[Facility Management Services](#)

Informatics Computers provides facility management services to the leading companies in country our responsibility & activity is to provide a one stop single desk solution with in the customer premises for Desktop to Server Level trouble shooting, Installation of various kind of Software & Hardware, Backup, Antivirus protection, Data security, Training and assistant on various platform. It includes Helpdesk services, Desktop Services, Network Management, Mail Management, Data center services, Remote Management services, Security Management, Asset Managements, Multi Vendor Managements Work Flow management, Wide Area Network Management, VPN & Firewall Management etc. We are a "re-sourcing" facilities management company interested in assisting clients to maximize current resources and supplement them to accomplish both short and long-term goals and objectives. Our client's priorities dictate our action. Helping clients identify areas of concern and potential solutions is what we are about. Our efforts are designed to enhance the strengths of current facility management or facility maintenance program components, while providing a structure and foundation for growth to meet organizational needs for the future. Our Systems approach to our facility management and facility maintenance services insures meeting quality of services, strong onsite facility management team & coordination of resources. We believe that specialized resources are required to bring value to our clients. What we do, we do well. However, in order to bring added value to our clients we have established Strategic Partnerships with firms that share our commitment to problem solving in the IT enabled world.

[Annual Maintenance Contracts](#)

Informatics Computers undertakes Annual Maintenance Contracts for machines (PC's), Servers and peripherals, supplied by -themselves or otherwise. For client sites having a large number of machines, Informatics Computers also provide one or more engineers on site to provide better support to the client organization. We have a team of highly qualified & experienced maintenance engineers to provide you computer maintenance & support. A repair all of a sudden might prove expensive and going in for an Annual Maintenance Contract can be beneficial. There are however, certain things that you must know about these contracts before you actually get into one. Comprehensive AMC: This includes repair and replacement of the faulty PC parts for a lump sum price. You are not charged separately for the labor or for the parts replaced. Non-Comprehensive AMC: This type of AMC does not include replacement of parts. It does not charge for the labor but the owner has to pay the actual price for the parts replaced.

[Servers & Network Operating Systems](#)

Informatics specializes in server maintenance. The quality of our other services flow from this core competency to achieve a first time fix in a 'network down' situation. A team work approach provides back up to the on-site engineer, ensuring that the customer's Server is operational again as soon as possible. A tailored service, offering enhanced options for critical systems, for example, 24 hour cover, dedicated spares, disaster recovery, health checks and operating system support. Currently Informatics provides support for the Windows NT, Windows 2000 Server, and Windows 2000 Advanced Server, Windows 2003 Server platforms, Spear Mail, Postmaster, Workgroup mail and Third party Mail servers.

[IT Security Services](#)

Informatics provide managed security services by deploying the firewalls, gateway level antivirus products etc. designing and deploying the security policies, with a complete range of authentication and authorization tools, firewall products, virtual private network solutions, anti-virus protection, and network scanning and intrusion detection systems. Information security is concerned with three main areas: Confidentiality - information should be available only to those who rightfully have access to it. Integrity -- information should be modified only by those who are authorized to do so. Availability -- information should be accessible to those who need it when they need it. Informatics team can defined and implement the information security to take care for entire network.

[Marketing Activities](#)

With tie-ups with major peripheral and software vendors, Informatics Computers offers competitive deals in various software packages, and peripherals like printers, multi media kits, modems, etc. With the other activities outlined above, Informatics Computers is in a position to offer a completely customized and scaleable solution to its clients. The returns on the client investment is always secure, as these solutions can be scaled as desired.

[Component and Chip Level Repairs](#)

Having recently acquired space, adjoining the marketing office, Informatics Computers now provides chip level repair services for monitors, Power Supplies, Mother boards, etc. As this facility is now available in-house, Informatics Computers now offers better turnaround times and excellent up – time for the client installations. Thus, Informatics Computers possesses in-house facilities to address almost every IT need of the client. A single vendor therefore can take care of all your IT requirements, ranging from hardware, maintenance, peripherals, Web presence or customized software development. Informatics Computers, today, remains a one-stop shop, at the most competitive rates. With its proven track record in the above-mentioned diverse areas, Informatics Computers has carved out a niche for itself in this rapidly changing field of Information Technology. The numbers of satisfied clients, after all, tell the true story.

Global Positioning System

(1) (GENERAL PRINT SERVER) An IBM mainframe feature that lets tn3270 clients access lpd/lpr printers via the sna/vtam network. SEE TN3270 & VTAM.

(2) (GLOBAL POSITIONING SYSTEM) A satellite-based radio navigation system run by the u.s. department of defense, officially known as NAVSTAR GPS (See also GLONASS, galileo & Beidou). It was designed so that signals from at least four satellites would be on the horizon at all times, which is sufficient for the GPS receiver to compute the current latitude and longitude (map location) and elevation anywhere on earth to within a range of 15 to 70 feet (See Latitude). The first GPS satellites were launched in 1978 and have been replaced several times with newer models.

MEOs In Six Orbits

In six different orbits approximately 12,500 miles above the earth, the system's 24 meo satellites circle the earth every 12 hours. The satellites constantly transmit their current time based on atomic clocks and current location on two frequencies in the L-band labeled L1 (1575.2 MHz) and L2 (1227.6 MHz). Most receivers pick up L1, while more advanced receivers pick up both signals for greater accuracy by determining and removing ionosphere delays.

There is also numerous government and commercial monitoring networks around the world that use earth-based reference stations to improve accuracy (see GPS AUGMENTATION SYSTEM).

Whether installed in vehicles or carried by hand, a GPS receiver calculates the distance to the satellites by comparing the times the transmitted signals were sent with the times received. By knowing the precise locations of the satellites at a given moment, the receiver uses trilateration, the navigation technique of ship captains for centuries, to pinpoint its own location. See Triangulation.

At Least Three Satellites

If four satellites are picked up, map location and elevation can be computed. If three are available, only location can be derived, and if less than three signals are received, the system cannot compute its current location unless it uses the speed of the vehicle (see In-Dash Navigation).

No More Asking Directions Widely used in the military, GPS is used in many other applications, including agriculture, oil, gas, mining and construction.

In the Mid-1990s, GPS car navigation systems emerged, and by 2000, In-Dash Systems were either standard or an option in luxury cars. Subsequently, after-market units were made available for all vehicles. Portable units can be taken from car to car, and navigation software can be added to a laptop computer. Small handhelds help hikers and hunters find their way. See Vehicle Tracking, GPS Augmentation System, Mobile Positioning, Loran, MEO, Gnss, Galileo & Geocaching.

GPS in the Car

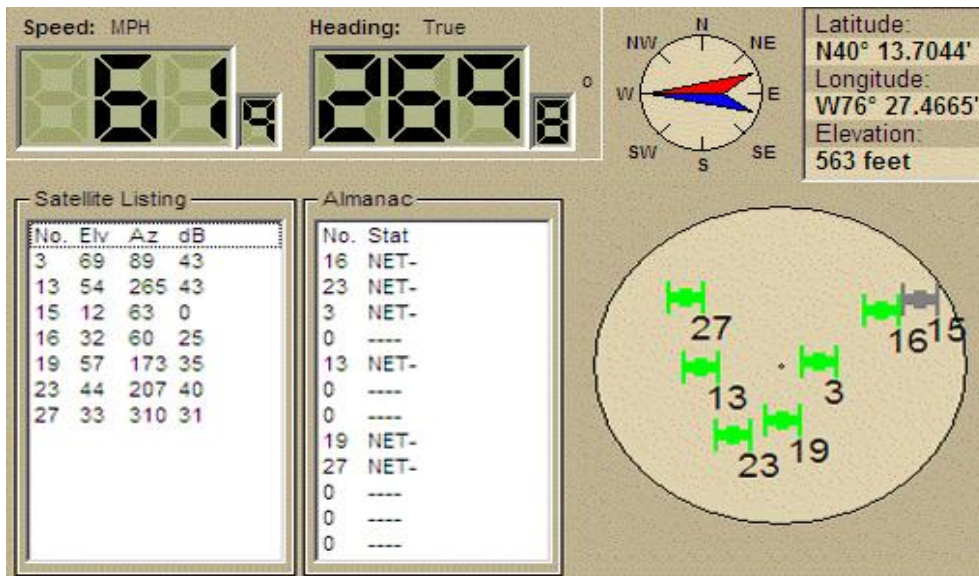
In 1996, Sony's nvx-f160 was one of the first navigation systems for the road. It could direct you to the nearest restaurant, hotel or other point of interest. (Image courtesy of Sony Corporation.)



GPS in the Woods

Portable Navigation Systems work anywhere. The flat object pointing up at the top of this unit is the antenna.





GPS On a Laptop

Delorme's street atlas turns any laptop into a "NAV," and the software is extremely informative. The bottom clip shows all satellites in range (it just lost #15), their elevation (ELV), Azimuth (AZ) & Signal-To-Noise Ratio (DB). Net Means (N) the satellite is used for navigation, (E) ephemeris data are available, and (T) it is being tracked. The yellow object on the dash is the antenna.

Quality Policy

“SUCCESS IS AN ART WON BY QUALITY ASSURANCE”

It is Our Endeavour to achieve high quality standards, through maintaining our own standards and procedures with comparison to The Client's.

We are adhere strictly to the quality parameters at all stages to confirming the customers requirement.

It is our motto that all employees should generate their own environment to maintain the quality system. hence all personnel are directed to adhere to the requirements of quality standards, specifications and contractual guidelines.

This policy will be understood, implemented and maintained all levels in the company.

We hope this will meet your requirement . If you need any further details on information . We are pleased to provide the same based on your confirmation . We will send your our regular contract .

Acknowledgement

We at “Express Computer Lab” are Bounded on our responsibilities and Awareness towards the company policy.

We will continue to contribute our Experience in all the areas which we believe that is way to success and Prosperity to us and for the company.

THANKS

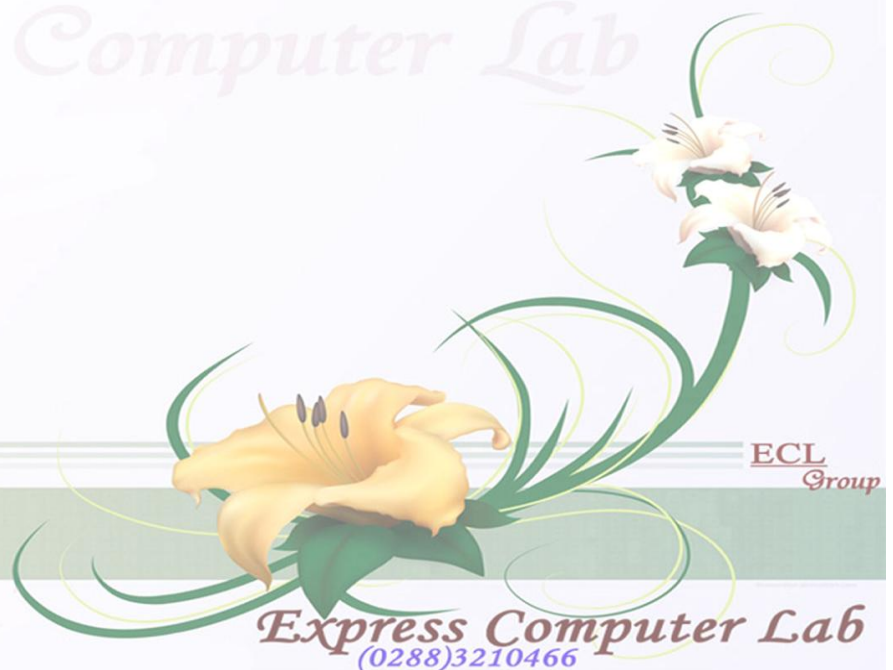
Firm Objective

To be regarded as a premier "Information Technology & consultant Firm" recognized for delivering a customer friendly services most efficiently, cost effectively & high quality within a continuously improving framework of safe, innovative and efficient operation.

TO PROVIDE ANNUAL MAINTENANCE CONTRACTS AS PER YOUR REQUIREMENT

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Express Computer Lab



ECL
Group

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