Helping Organizations Around the World
to be Leaders in the New Networked Age
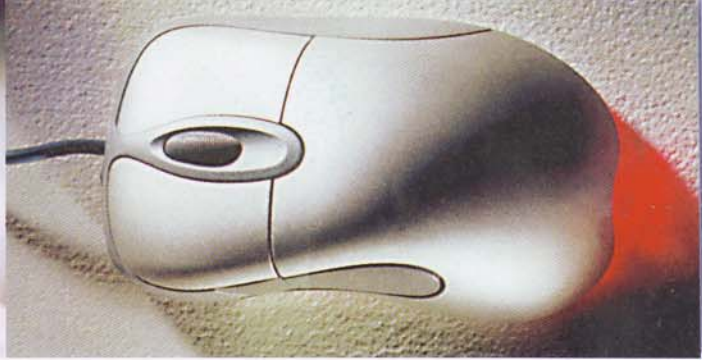
arhant
SOLUTIONS

Group Companies

Arhant Solutions is a software development initiative of ICTC group of companies. Some of the major areas of ICTC's involvement are: business representation of multinational companies (ICTC Pvt. Ltd.), 5 star hotels (Hyatt Regency, Kathmandu), Banking (Nepal Bangladesh Bank), Insurance (Premier Insurance), Construction (ICTC Construction), Industries (Highland Distillery), Trading (Prime International), Power (ICTC Power), InfoTech (Infocom Pvt. Ltd.), Management Consultant (Total Management Services) etc. For more information, you can visit ICTC corporate web site, www.ictc.com.np

An initiative of ICTC group of companies, Arhant Solutions was established with the objective of introducing Nepal's highly matured IT execution capability to the world. With more than 50 extremely competent manpower, Arhant is well equipped to guide your organization to the forefront of the digital world.

Arhant Corporate Ideology

- Respect and value each individual's contribution to the organization
- Continually act on the well-being and happiness of our clients
- Be on the edge of technology and stimulate progress through innovation
- Honesty and integrity in everything we do
- Excellence and continuous improvement in all aspects of the organization

Arhant Mission Statement

Helping Organizations Around the World to be Leaders in the New Networked Age.

For us, 'quality' equals doing whatever it takes to see that smile of satisfaction in our clients. Every associate in Arhant Solutions is put through a rigorous quality program designed to ingrain quality into our basic behavior.

Process Definition

We have developed a stable and scalable process defined and maintained by our Software Engineering Process Group (SEPG). The processes are available organization-wide to all concerned in the Intranet C3 Net (Pronounced C-Cube Net).

The C3 Net consists of the Quality Documentation System which is rich in content on detailed procedures, guidelines, templates, forms etc. covering the software development and project management related activities. The C3 Net has a Knowledge Bank section where the experiences of organization / projects are shared to other projects for improvement.

$$Q \times (EWD) = \smiley$$

Q = Quality
EWD = Everything We Do
☺ = Our Client's Smile of Satisfaction

Arhant Quality Policy

- Bringing the culture of Quality through continuous training and orientation.

- Meeting all the five aspects of quality namely functional, aesthetics, reliability, performance and safety.

- Product continuations through strong documentation and training.

- Strong emphasis on defect prevention.

- Strict adherence to client requirement & specifications.

- Continuous upgradation of technology, facilities, skill sets & product performance.

- Emphasis on customer satisfaction through strong product support.

Products being tested on Arhant Test Lab

Quality Assurance Program

We have developed and adopted a quality assurance program, which has proven extremely effective. Following are some of the components of the program:

Configuration Management

The organization has an established configuration management practice for better change management and version control. We extensively use tools like PVCS, Microsoft VSS etc.

Quality Control

The Quality Control activities are carried out with periodic reviews and audits. Reviews are conducted at critical project milestones and deliverables. The review is made according to a well defined structured review process.

Testing

The validation of the project deliverable is carried out by the independent testing team. As per the process, the testing team is involved right from the project initiation. During the requirements phase, the testing team develops the testing strategy and plan.

System Administration

System Administration Group ensures that adequate computing resources are available and maintained for smooth operation. This group is primarily responsible for administering hardware, software, operating system, network and disaster management.

Training

Training activity covers the periodic analysis of the skill-sets database of all employees. Training covers the process training, technical training, soft skills training and any other project specific training.

One of Arhant Solutions' main strengths lies in the area of Application Development. We have competencies in both ready-to-use application and customized product development. Our proven methodologies, processes, and state-of-the-art software facility ensure that our customer gets the best solutions in a cost-effective manner, on time, every time.
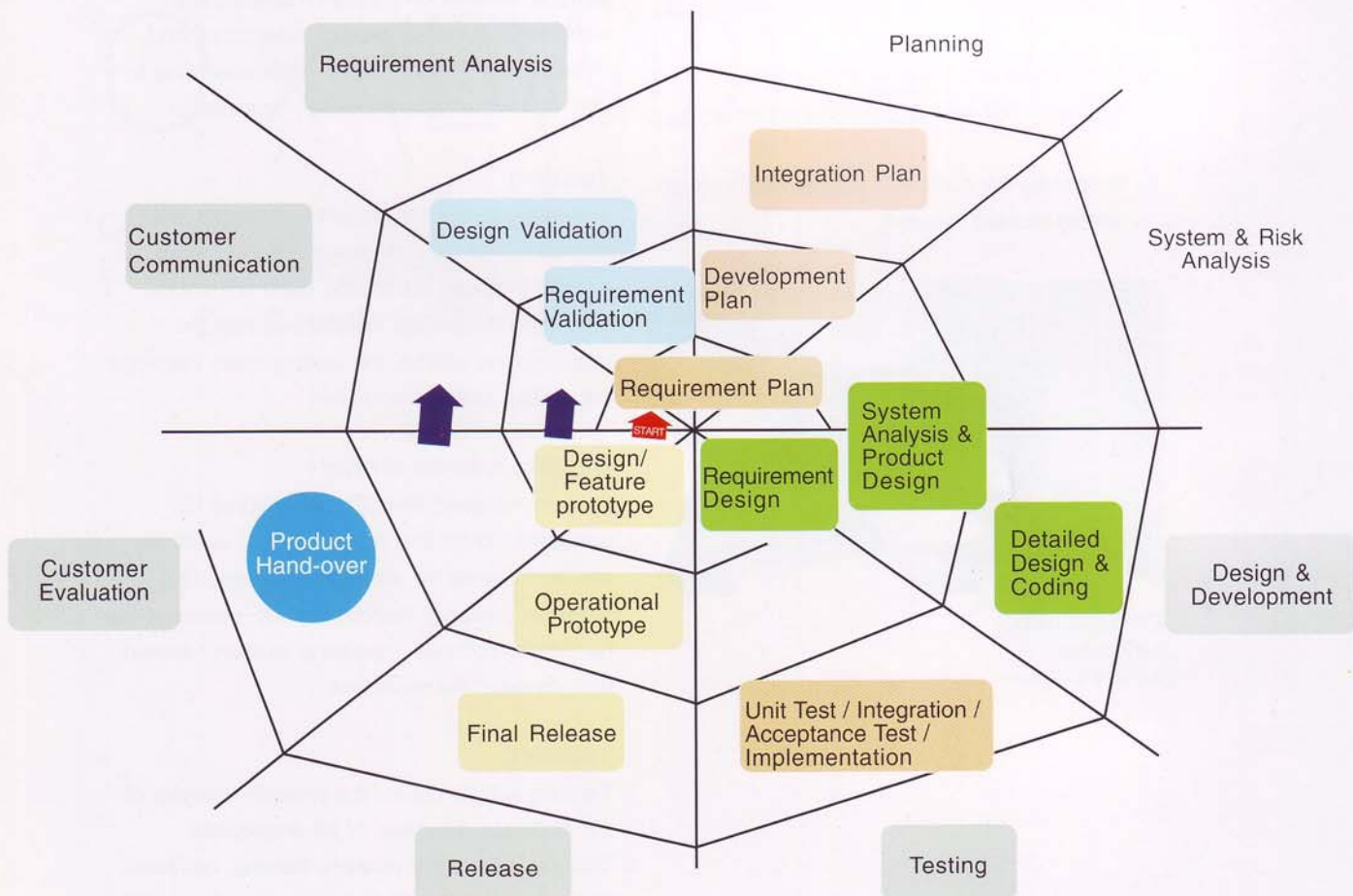
To effectively address a wide canvas of our customer needs, our consultants have expertise in the following major solution building blocks and development tools.

Software Development Methodology

We use number of process models to accomplish a given task. For small to moderate sized projects we use traditional waterfall or XP models. For bigger and more complex projects we following Spiral Model.

Arhant Solutions Software Architecture & Design

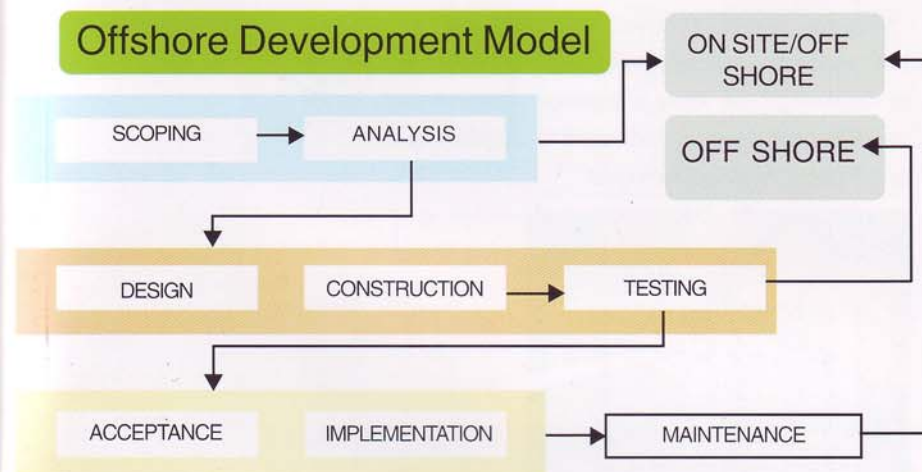|	Planning
Requirement Analysis	
	Integration Plan
Customer Communication	Design Validation	System & Risk Analysis
	Development Plan
	Requirement Validation
	Requirement Plan
	START
	System Analysis & Product Design
Design/ Feature prototype	Requirement Design
Product Hand-over	Detailed Design & Coding
Customer Evaluation	Design & Development
Operational Prototype	
	Unit Test / Integration / Acceptance Test / Implementation
Final Release	
Release	Testing

Offshore Development Services

Our software development facilities are equipped with the best networks, high-speed Internet connectivity, and latest software and hardware infrastructure. We also support dedicated centers of excellence and on-going high technology projects. In addition to the software development facilities, we also set up and manage offshore development centers and off-site centers depending on the client's requirements.

Offshore Development Model

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SCOPING → ANALYSIS        ON SITE/OFF SHORE
                          OFF SHORE
DESIGN   CONSTRUCTION → TESTING
ACCEPTANCE   IMPLEMENTATION → MAINTENANCE
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One of the Software Development Labs

Technical Expertise

Technical expertise within the organization extends over :

Development Language and Tools

Languages	VC, VB, C++, VB.Net, Java, ASP.Net, PERL, Python
Tools	NET Studio, VB Studio, Dreamweaver MX, Sun ONE Studio
Server Components	MTS, COM/DCOM, EJB, CORBA, RMI, SOAP
Web Server Tools	MS IIS, Apache, Tomcat
Databases	Oracle 8i, MS SQL Server, Post Gre SQL, MS Access, MySQL

Process and Methodologies

Methodologies	OOAD, RUP, MSF, XP
Data Presentation Standard	XML
Modeling Tools	Rational Rose UML
Payment/ Security	SET, SSL, PKI, Cyber Cash, S-HTTP, Digital Certificate/ Signature
Development Platform	Windows [NT, 2000, XP], UNIX [Linux, BSD, SOLARIS]

Acronyms

XML: Extensible Markup Language, CORBA: Common Object Request Broker Architecture, DCOM: Distributed Component Object Model, EJB: Enterprise Java Beans, OTS: Object Transaction Server, ASP: Active Server Page, JSP: Java Server Page, DHTML: Dynamic Hyper-Text Markup Language, VB: Visual Basic, SET: Secure Electronic Transaction, SSL: Secure Socket Layer, PKI: Public Key Infrastructure, OOAD: Object Oriented Application Development, RUP: Rational Unified Process, UML: Unified Modeling Language, MSF: Microsoft Solutions Framework, XP: Extreme Programming.

Total Quality People (TQP)

Quality initiatives rarely work if they are not accompanied by a crucial element called 'People'. Product and Process improvement programs are short lived if the 'People' element is faulty. That is why we have chosen to concentrate on a quality program which we like calling "Total Quality People".

"TQP is about people; it's about building a culture of integrity and excellence"
Prajol Shrestha, Executive Director

Project Management

Our Project Management Skills have allowed us to complete projects consistently **on time and under budget**. With web based collaborative Project Management tools, we ensure that projects are executed as per the full satisfaction of our clients. In order to keep ourselves updated on the latest Project Management concepts, we have taken membership of Project Management Institute (PMI), an apex body which governs and sets standards for worldwide project management practices.
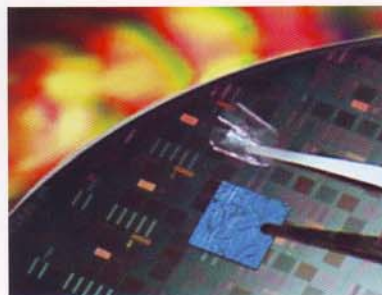
Arhant Innovations
"I think therefore I am." Descartes

We strongly encourage our associates to 'think' and that makes Arhant 'different'. Our constant effort is in bringing the childlike inquisitiveness within each of our associates. *"When everybody is thinking alike, no one is thinking at all."* We regularly conduct special workshops and training sessions on "Creative Visualization", "Idea Marathon", etc. which help our associates to develop a "Questioning Mind".

On the Edge of Technology

"Only way to predict future is to invent one" We realize the importance of being on the edge of technology. We have a separate research and development division dedicated to developing and testing new technologies.
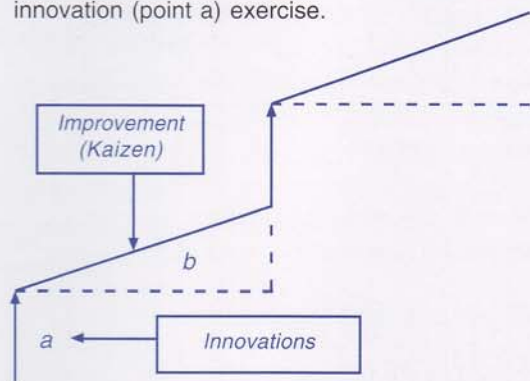
Kaizen and Arhant

If Quality is our head, Innovation represents our heart. We feel Quality without Innovation is meaningless. We took the Japanese concept of continuous improvement (Kaizen) and blend it with innovation to come with something which quite accurately describes our belief and attitude.

In this model continuous improvement (point b) is supplemented by frequent and consistent innovation (point a) exercise.

Keeping Promises

A product, however good, serves no purpose if not completed on time. Thus our motto: *"We deliver products on time, every time"*. To assist us deliver product on time, we have developed a special web based collaborative project management system we call 'Wings'. With this tool we ensure the timely completion of the project regardless of where the developers are located.

Physical Resources

Arhant Solutions with its spacious building, well equipped resource centre, high bandwidth Internet connectivity, state-of-art developed centre is well equipped to undertake large scale software development projects. The facilities provided are commensurate with our commitment to excellence and high professional standards environmental mitigation and monitoring activities.

High Bandwidth
Internet Connection
at Arhant Premise

About Nepal

Situated at the heart of South Asia among the great Himalayas, Nepal has been perceived as country full of mysteries, endowed with glorious history, culture, civilization, and diverse natural beauty.

With the changing times, Nepal has been opening up and has kept up with the global changes; incorporating international agenda – market economy, good governance, transparency and corruption free practices- into national agenda.

Nepal has, over the year, performed its part, like the rest of the world, to make contribution in the rapid development in the field of Information Technology. Now, Nepal has been able to increasingly portray herself as 'a force to reckon with in the field of IT in the Global arena.''

Why Nepal?

Availability of Technical Manpower More than one thousand computer programmers enter the job market in Nepal graduating from various universities and other computer institutes. This gives organizations here an opportunity to recruit the best manpower from wide selection.

Professionalism Nepalese are naturally warm and self disciplined which lends itself to a strong work ethics and professionalism within the programming community.

Aptitude for Logic Traditionally Nepalese have been strong in science and mathematics which give rise to a genre of programmers with a natural aptitude for strong logic and numerical capability.

English Proficiency English is the second language in Nepal and is taught right from grade one (from preschool in many cases) in all the schools. Almost everybody in IT sector can converse fluently in English.

Low Cost Structure Due to very low cost structure, cost of living in Nepal is one of the lowest in the world. This directly results in very low execution cost which is around 30% to 40% lower than that of India.

Friendly Government Policies Export and investment friendly government policies of Nepal has rendered project out-sourcing to Nepal a pleasant and cost effective experience.

Strong Telecom Infrastructure Nepal, especially Kathmandu, has one of the best telecommunication infrastructure in the subcontinent. Getting high bandwidth connectivity facilities is convenient and hassle free.

A R H A N T

in Pali (ancient language used during Gautam Buddha's period) means
a perfected person, one who has gained insight into the true nature
of existence and has achieved nirvana (spiritual enlightenment).
The Arhant, having freed himself from the bonds of desire will not be
born again.

Arhant Solutions