



Project Name: [SMAARTSYS](#)
(Self Management, And Report Tracking System)

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[About Levanture:](#)



Levanture is a Custom Computer Development Company and is organized under the laws of the State of Virginia. Since its inception, Levanture Inc has been governed by its ethics and core values. Levanture Inc is a leading, total business solutions provider. We provide bundled solutions to address the growing needs of an organization. Our areas of expertise include Software Development, Process Development and Re-engineering and Training. We provide pragmatic solutions that are evolved from a comprehensive understanding of the industry that we operate in.

Levanture Inc. delivery models rely on deftly adapting technologies based on the client needs. By using the latest and State-of-the-art technologies, Levanture applies its sophisticated processes and best practices with technologies, combined with expert technical resources to provide integrated services to end-users.

Our team is a total mix of experienced software developers, engineers, and scientists with expertise in different domains of technology, software development, business management, sales and marketing, education and research. Every one of them contributes to the company with their in-depth knowledge, skill and experience in their individual fields. We nurture talent at Inspire-Systems, and individuals are encouraged to be creative and take pride in their achievements and initiatives.

Since its inception, Levanture has been guided by a strong commitment to the community. Increasingly the focal point of Levanture's business initiatives has been and continues to be to partner with the various local, commercial, state and governmental agencies. As our initiatives in that direction come to fruition, we are poised to further extend our commitment to the local and regional economy.

In this highly competitive market, we are confident that with our entrepreneurial spirit, our employee's dedication and commitment, and the ability to continually innovate in the newer and advanced areas of information technology, we will continue to grow strongly and steadily, and will build this organization towards greater heights and benefit the society as well.

Levanture has been always highly appreciative and grateful to the Service's assistance in enabling the company to meet its hiring needs on a timely basis, and trusts that it will continue to do so. We further trust that the Service will review the information submitted in favorable light, and grant approval of the H-1B petition submitted on behalf of the beneficiary.

[Project Details:](#)



Levanture's "Self Management and Report Tracking System" (**SMAARTSYS**) is a Enterprise Solution, designed to streamline the enterprise processes of any Professional Services Company. Designed to streamline the systematic enterprise processes, SMAARTSYS incorporates the latest standards in its architecture.

Key SmartSys modules are:

- ✓ **Clients**
- ✓ **Vendors**
- ✓ **HR**
- ✓ **Finance**
- ✓ **Sales**
- ✓ **Admin**

SmaartSys is a global solution for Enterprise Consulting Processes.

Client's module helps in the organization of the clients contact information that the company works for. It would be big help in making the company time well spent on reviewing the contact details, actions and events of the particular client.

- ✓ The Client Module was designed to capture comprehensive Client Info, Status and History.
- ✓ The Client data is broken in several sub-sections for easier maintenance and use across multiple departments.
- ✓ Read/Write access to every section can be controlled by the Admin making the data very secure.
- ✓ One of the unique features of the Client module is to display the current and past list of employees/sub-contractors, working/worked with the Client and a brief snapshot of their assignment.

Vendor's module: In any organization, Vendors are the most overlooked in their communication plan. It's an oversight, especially if these key suppliers or vendors contribute a big chunk of value to their services. Organizations being so focused on their costumers, investors and others that Vendor are kept out of the communications loop.

Organizations fail to assess the importance of Suppliers or Vendors role in the value chain. But with Smaartsys Vendors module suppliers or vendors form the key part of the organizations communication chain.

HR Module is designed to capture the employee's project details from end to end. From the personal details of the consultant to the client name along with the project start details. HR can view the whole list of the employees with their updated status with other relevant information any time. Smaartsys makes compiling complex data about individual workers task into an easily manageable set of breakdown functions from an employee initiation to the current status of their personal, client, project, insurance details to their termination.



More than 90% of people fill their timesheets irregularly and incorrectly. HR department hardly gets time from routine activities to improve the output of the company.

All above facts further lead to problems such as:

- ✓ Loss of profits because of unaccountability for projects & tasks.
- ✓ Poor & incorrect data to compare the projects costs & profits.
- ✓ Inefficient and non-transparent leaves management.

To overcome these issues SmaartSys enables HR to keep up-to-date timesheets of the employees. The system enables to add a timesheet and update it.

Invoice Management through SmaartSys optimizes and simplifies the process of creating, managing, monitoring and routing purchase orders and invoices for personnel and vendors. Invoices are processed more efficiently and quickly with problem invoices automatically routed for proper problem resolution, approval and payment.

Once the invoices are generated the system automatically faxes or emails the invoices to the Vendor or Client.

Finance Module: This module of the product will take care of all the finance related issues as to how finance comes in and how it has been utilized. Total flow of money and total expenditures will be reflected here. As an after effect of this, the management will be able to take their important financial decisions, budgeting etc.

Various reports that can be generated like Unbilled Receivables and A/R Aging report

Sales function is critical for most business. To maximize an organizations revenue and profit, sales teams need to have good processes, tools and skills. Sales Process is the underlying framework driving an organization's internal and external sales methodologies. Implementing robust process should be seen as a change and Smaartsys brings in that initiative.

Admin Module: Many organizations have large number of users with different levels of authorization. With the admin module the super user will maintain the site security and integrity by ensuring users have their own login and password as well as assignments to appropriate workgroups. The assignment of these permissions allows having control levels of access to the site.

Reasons for SmaartSys

- ✓ SmaartSys Integrated Solution speeds up time-to-value delivery.
- ✓ SmaartSys has incorporated the right analytics for real-time decision making.
- ✓ SmaartSys is intended to maximize the effectiveness of Human Resources function.
- ✓ SmaartSys simplifies the financial reporting process, making it faster, more flexible, and more accurate.
- ✓ SmaartSys creates lasting positive change with measurable and quantifiable results that can be continuously monitored.

Project Information & Technical Description:

a) Nature of the Project: SMAARTSYS (Internal Portal)

This project is exclusively developed for Levanture Inc., is a Enterprise Solution, designed to streamline the enterprise processes of any Professional Services Company. Designed to streamline the systematic enterprise processes, SMAARTSYS incorporates the latest standards in its architecture.

b) Technology:

- HTML (Presentation Layer)
- Java Script (Front-end scripting language)
- Java, J2EE, XML, HTML, EJB, JSF, Websphere, Rational Application Developer, TCP/IP, X.25 (Business Logic Layer)
- Oracle 9i and MySQL (Database Layer)
- API (Application Programming Interface)
- WINDOWS XP/2000 and Linux
- Crystal Reports

c) Phases of the Project: The following are the phases of the project.

1. Inception Phase
2. Elaboration Phase
3. Construction Phase
4. Transition Phase
5. Deployment and Maintenance

1. Inception Phase: During the inception phase, the following activities would be handled.

- System Study
- Feasibility Study
- Gap Analysis
- System Requirement Specification Documentation
- System Design Documentation
- Effort & Cost estimation Planning
- Resource Planning

2. Elaboration Phase: During the Elaboration phase, the following activities would be handled.

- Database Selection
- Architectural Designing
- Database Designing & Normalization
- Project Scheduling & Time frames
- Modularization
- Allocation of Modules

3. Construction Phase: During the Construction phase, the following activities would be handled.

- Pseudo Code Development
- Front-End Coding
- Business Logic Layer Development
- Code Reviewing
- Creation of Test cases and Test Scenarios
- Unit Testing
- Modular Testing
- Integrated Testing
- Functionality Testing
- Compatibility Testing
- Bug Listing/Reporting
- Bug Fixing
- Integration
- Internal User Acceptance Test/Sign-Off

4. Transition Phase: During the Transition phase, the following activities would be handled.

- Packaging & Setup Creation
- Online Help Creation
- User Manual Preparation
- Installation Document Preparation
- Creation of Users
- Setting up Privileges

5. Deployment & Maintenance: During the Deployment phase, the following activities would be handled.

- Environment Setting
- Network Setting
- Database initialization
- Startup Configuration
- User Training
- Customization & Maintenance

d) Activities Involved:

- System Analysis
- Feasibility Study
- SRS (System Requirement Specification) Preparation
- SDD (System Design Document High Level/Low Level) Preparation
- System Architectural Designing
- Database Designing
- Division of the Application into Modules
- Resource Planning
- Project Scheduling

- Allocation of Modules among Team members
- Development
- Code Review
- Testing
- Integration
- Deployment
- User Training
- Customization
- Migration of existing data
- Maintenance

e) Key Features of the Project: The following are the key features of the product.

- **Storable Class Editor** is used for creating custom fields and storable classes. Storable classes are used to store data in the application database. A storable class is a template consisting of a collection of fields in the database. Storable objects are instances of storable classes.
- **Object Browser** is used for viewing the contents of storable objects in the application database,
- **Opcode Workbench** is used for testing applications and customized components by running opcodes.
- **Universal Event Mapper**, for specifying how event data is loaded into the database. An event is an online action that is recognized by the application and recorded in the application database, e.g., connecting to the Internet, placing an IP phone call, changing a password, creating an account etc. application tracks events and bills users for them.

ITINERARY:

PROJECT OVERVIEW:

Project Name: **SMAARTSYS**
 Project for: **Levanture Inc.**
 Project Implemented By: **Levanture Inc.**

Overview of the Project:

#	Phases & Activities
1	Inception Phase <ul style="list-style-type: none"> • System Study • Feasibility Study • Gap Analysis • SRS Documentation • System Design Documentation • Effort & Cost estimation Planning • Resource Planning
2	Elaboration Phase <ul style="list-style-type: none"> • Database Schema Alterations and new table additions. • Architectural Designing • Database Designing & Normalization • Project Scheduling & Time frames • Modularization • Allocation of Modules • Writing Detailed Functional Requirements
3	Construction Phase <ul style="list-style-type: none"> • Application Design Documents • Application Development • Business Logic Layer Development • Code Reviewing • Creation of Test cases & Scenarios • Unit Testing • Modular Testing • Functionality Testing • Compatibility Testing • Validation Testing • Bug Listing/Reporting • Bug Fixing • Integration
4	Integration and Implementation Phase <ul style="list-style-type: none"> • Packaging & Setup Creation • Integrated Testing • Bug Listing/Reporting • Bug Fixing • Creation of Users • Setting up Privileges • System Testing and debugging

	<ul style="list-style-type: none">• User Acceptance Testing.• Internal User Acceptance Sign-Off Online Help Creation• User Manual Preparation• Installation Document Preparation
5	Deployment & Maintenance <ul style="list-style-type: none">• Production issue resolution• Environment Setting• Network Setting• Database initialization• Startup Configuration• User Training• Customization & Production Support• Knowledge transfer to maintenance team.

Location of the work site & Venue where the services are performed:

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