

2013

# AAR Technologies and Software Solution Pvt Ltd

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RTIZEN

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AAR Technologies &  
Software Solution Pvt. Ltd.

## **We, the Rtizen, The team of AAR Technologies and Solution Pvt. Ltd.**

AAR Technologies & Software solution (p) Ltd., a privately held organization located in Kolkata is Software Consultancy and Development Company that is offering integrated solutions and services for past 6 years. At Rtizen we understand the needs and requirements of our customers and employ relevant technology and resources to meet their needs. Rtizen knows how to use technology and develop software that meets client's requirements and satisfies their business needs developing exactly what they need.

Our strength lies in a young and committed team that combines business acumen with technical knowhow. Our core competence lies in the delivery of world-class solutions that involve Web Applications, My Type ERP, Desktop, Client-Server Applications and Embedded Technologies. We have worked for several US and European Clients as their outsourcing development partner in various development spheres. This has enriched us with a broad range of solution development and consulting experiences at the international level as well.

### **Here you can learn more about the Rtizen:**

Rtizen have experience in development and maintaining software in all project stages - from creation of large scale distributed aggregates to web site development. Our company provides all software life cycle services - from specifying goals and prototype creation to administration and support of created systems. We provide software development under all versions of Microsoft Windows, for UNIX and free BSD systems. We render expertise in both Microsoft and Open platforms-skill sets ranging from **C, C++, PHP, 4<sup>th</sup> generation language like C# / ASP.NET to Sun JAVA to machine level firmware, CADGIS and Mobile Based Technologies**. In our projects we make use of the wide spectrum of latest technologies.

Rtizen offers to its Customers simple and convenient rules that make working with the company both pleasant and predictable. In Rtizen we have simple client interaction schemes and hence are ready to adapt to any kind of environments - at par with the latest trends and diversifying from the traditional SDLC to the Extreme Programming concepts. Rtizen believe in changing, while allowing the customers to feel free with their used to structures of working. We achieve very high product quality due to a well-structured and elaborate system of work organization for our employees. The principal features of our work organization system are shown at our site so that our potential customers would understand how we achieve high product quality.

### **Why work with us?**

Rtizen don't treat customers as parties' rather they like to do business as a family which does not end up in a single or time defined project but our relationship continues as we grow larger and larger in size.

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### The Key Advantages of working with us:

- **High Reliability.** We have a well-organized logistics structure that makes it possible to use effectively the skills of these specialists.
- **Moderate Prices.** The prices include full testing cycle the developed software by Software Testing department of our Company. If you're Company in a condition to offer long-term mutually advantageous cooperation, we are ready to carry out the first task at a discount of 10-15% to show you quality of our work.
- **Wide Range of Services.** Rtizen offers a very wide selection of services to create, modify and test software and Web sites.
- **Speedy project implementation.** Due to our strong creative resource we can form a large workgroup and implement your project in extremely short time interval. The distributed structure of Rtizen makes it possible for the Company to quickly adjust to the current client needs (size and number of workgroups, etc).
- **High degree of confidentiality.** Very simple scheme for customer interaction. Our system of client relations is designed to make it as easy as possible for a client to work with us. Marketing research provided by our specialists confirms the effectiveness of this system.
- **Constant working resource availability.** Due to our distributed structure the Company has practically always a certain number of available specialists ready to start new projects.

### Typical Conditions for Our Customers:

CONFIDENTIALITY	DATA SECURITY
Property Rights for Produced Materials	Order Analysis
Interaction with a Customer during Order Execution	Result of Order Execution
Warranty and Product Maintenance	Order Payment
Our Prices	Special Bonuses



## Service Offerings

Our company specializes in the development of sophisticated client-server systems to be used in global Internet or Intranet networks. We deal among other things with internal workflow systems, online storage & backup technologies, and online databases of any complexity (including distributed servers). Special attention is paid to security considerations for such systems.

### **Layout and Design of Web Sites (E-commerce Systems)**

Design of web sites (layout, graphical design, programming of complex functions) is a priority direction in the work of our company. We are in the possession of several "know-how" technologies to ensure fast layout of web sites that are identically displayed in all major OS and browsers. Our company is very experienced in creating different extra functions for web sites of any complexity - from sophisticated animation design to complex statistical and e-commerce systems.

### **Development of Complex Systems under Windows/Linux**

We have the Extreme experience in the development of various software under Windows/Linux - from sophisticated distributed deeply integrated client-server systems to simple programs to be created in a very short time frame. Our specialists know very well all particular features of all Microsoft OS; they are experienced in device driver and shell extension development, usage of various SDKs and third parties APIs. We also spent quite a lot of time developing sophisticated multimedia user interfaces and image processing technologies.

### **Software Testing and Quality Assurance**

Our company has a testing department that provides testing of all products developed by us. Besides, we offer our customers to outsource to us the testing of their products. We have large experience in testing system utilities under Windows, and also online systems and web applications.

### **Development areas we cover under service:**

- ❖ Web Application
- ❖ ERP Solution
- ❖ SMS based web application development
- ❖ Mobile based Application



AAR Technologies &  
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- ❖ Web Portal Development
- ❖ Tool Development
- ❖ Software Based Accounting Solutions (E-accounting/ E-commerce)
- ❖ Website Development (with and without using CMS)& Web Presentations
- ❖ Computer Based Tutorials/Web Based Tutorials (CBT/WBT)
- ❖ Office Automation with Document Digitisation
- ❖ CAD GIS

## **Human Resources:**

### **Management Team**

#### **Founder Member:**

Arindam Nath

Avik Sarkar

Debashis Basu, CEO

#### **Advisory Board:**

Anjan Sarkar (Banker for 35 + years)

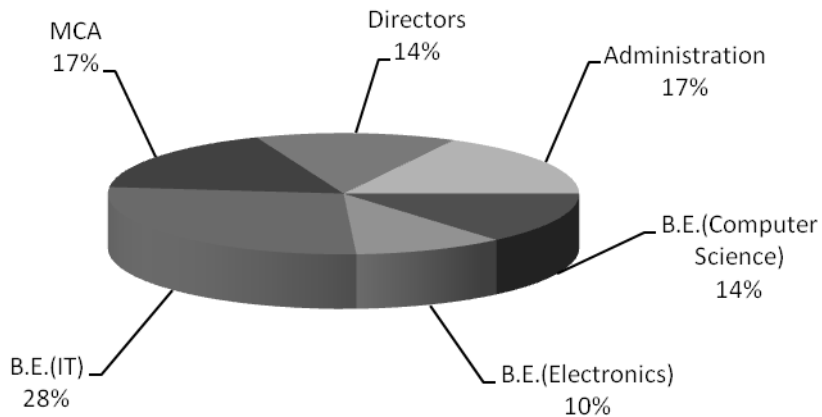
Anup Kumar Gangopadhyay (Admin experience of 30 + years)

### **Employee Strength:**

**Our present employee strength is 35, from which 27 are technical employees and rest of the 8 are administrative employees, average qualification of technical employees are BE, B. Tech, MCA.**



## Human Resource Chart



### Software competencies:

The team of young and dynamic Rtizen can confidently handle the following software:

- Operating system

- ❖ Linux

- ❖ Windows 7/XP/2008/2003/2000

- RDBMS Platform

- ❖ ORACLE

- ❖ PostGreSql

- ❖ MS SQL Server

- ❖ My Sql

- GUI Environments:

- ❖ VISUAL Studio 6

- ❖ VISUAL Studio .NET

- ❖ PHP Triad

- ❖ Jbuilder

- ❖ Eclipse

- ❖ NetBeans

- Tools & languages:

- ❖ C

- ❖ C++

- ❖ Assembly

- ❖ ASP.net

- ❖ PHP

- ❖ JSP, Java Swing



- Multimedia Technology

- ❖ Director
- ❖ Flash
- ❖ Flex
- ❖ Sound Editing Software
- ❖ Dreamweaver
- ❖ Freehand
- ❖ Photoshop
- ❖ Corel Suit

### **Major Projects done by Rtizen Team**

#### **1. Project Name:- Queue Management System**

**Client Name: - Apollo Hospitals, Kolkata**

QMS is a comprehensive Queue Managing Solution that not only manages queue but also keeps track of every relevant data for future analysis. The said system will work as a facilitator for customer satisfaction as well as management tool for capturing data, managing them and finally producing MIS reports. The main objective of the system is to reduce wait time and utilize the same for more business hours.

We have used output devices such as LED devices, Plasma TV and PCs as well. Multiple reports can also be fetched from this system out of which business decision may be taken.

Language : JSP, AJAX, Flex, C, Visual Basic, Assembly Language  
Database : MS Sql Server 2000  
Browser : IE, Firefox

#### **2. Complain Management System (Co maker- Principal)**

**Client Name: - Philips Electronics India Pvt Ltd**

This system is designed for complain tracking for particular customer between company and its co-makers. When a particular complain comes from a customer, administrator or authorized person from the Principal company will enter the complain details along with co-maker name in the system. A system generated mail will automatically send to that particular co-maker against whom the complain has been lodged. On the other hand from the co-makers end their supply quality manager can also update on the same. He can upload and download files. System can calculate co-maker response times as well as action taken time and problem solving time for a particular complain.

Language : PHP+ AJAX  
Database : MySQL  
Browser : IE, Firefox



### 3. Web Based Logistics system

**Client Name: - Philips Electronics India Pvt Ltd**

The system developed under web Based Technology. Main objective of the system is to track the goods in transit and the total logistics as a whole. Hence, The Principal Company will place allocation against the co maker online and the co maker create their Challan on that basis. Based on that the GIT (goods in transit) will be calculated. Zone wise report is also accessible. The authorized user can use the software in anywhere to suit their needs based on their access rights. Also can retrieve and send information parallel in any origin as per their requirement.

Front End : ASP.net+ AJAX  
Database : Sql Server 2005  
Browser : IE, Firefox

### 4. Communication Statistics System

**Client Name: - Indian Army**

Through this system communication devices status are maintained and based on that report shows the connectivity status between different locations.

Front End : PHP  
Database : My Sql  
Browser : IE, Firefox

### 5. Project Name: - Centre Management System

**Client Name: - IIJT Education Limited**

Covering a huge area of operations in E&T Industry, USP of this system is getting the data online from different geographical locations and consolidating it in the head office.

Environment:-Windows/Linux  
Technology:-JSP, Struts, Jboss, PostGre Sql

### 6. Project Name:- Sales Tool Box

**Client Name: - Siemens PTD, Thailand**

Knowledge Hub for sales force and at the same time presentation making tool

Environment:-windows environment  
Tools Used:-Visual Basic 6 in front end, ms access and SQL Server at back end

### 7. Project Name: - EDA





**Client Name: - Flakt Woods (Industrial fan division)**

Aimed at simplifying complicated industrial drawing modifications just by using a simple interface which is used for parametric changes which ultimately changes the drawing

Environment:-Windows environment

Tools Used: - Visual Basic 6, Solidedge (for drawing), and SQL Server

**8. Project name: - MyType ERP (Microsoft Technology)**

**Client Name: - Kaushalya Infrastructure Limited**

Covering a huge area of operations in Construction Industry, USP of this system is getting the data online from different geographical locations and consolidating it in the head office.

Environment:-windows environment

Tools Used:-ASP.NET, C#, SQL Server

**9. Project Name: - Web Based Design acceptance and electrical circuitry layout system**

**Client Name: - Electro Plast Inc. USA**

A Web Application to take down client design specs, do calculations on inputs and generate electrical and heating element layouts for the input design specs. The complete operation is to be done online in a single flow.

Environment:-Windows

Tools Used:-.net, MS Excel and AutoCAD.

**10. Transit Camp Automation system**

**Client Name: - Indian Army**

This system is a camp management automator; it worked as a management tool for the transients coming to the camp going from the camp as well as stores and ration indent management.

Environment : Windows XP, Windows 2003, Linux  
Technology : JSP (struts framework) POSTgreSQL

**11. Portal for Farmers**

**Client Name: US based company (Manplan)**

Here farmers can make their own composition of fertilizers and use others and can exchange knowledge over the net...this works with a desktop solution which works with its web version

Environment : Browser based, Windows/Linux



Technology : ASP, MS SQL Server

## 12. Total ERP Solution for Manufacturing Industry

**Client Name: Maraica Industries Limited, BDJ Stamping Industries Limited**

This is a small my type ERP for Manufacturing Industry those who are looking for cost effective solution for their automation. We have covered all the process starting from purchase to Accounts in this system.

Architecture : Web based 3 tiers  
Front End : ASP.NET+ AJAX  
Database : MS SQL Server 2005  
Browser : IE, Firefox

## 13. CADGIS

**Client Name: CADWORLD (Original Client UK based)**

Creating/Updating English county Lancashire Map in AutoCAD format from the scanned documents on changed information.

Tools Used : Auto CAD, Pdf/Image Viewer

## 14. File Management System for Medical Insurance Claim Processing BackOffice

**Client Name: Lastpeak Data**

This is a document management and file tracking system for Medical Insurance Claim processing where Data Entry, QA levels are maintained and logs are saved regarding a specific document. Extensive Search Options are also available.

Architecture : Web based 3 tiers  
Front End : JSP + AJAX  
Database : Oracle 10 G  
Browser : IE, Firefox

## 15. Online Test and Result Analysis Tool for Gre/CAT/any other multiple choice type exam

**Client Name: Oldmonkstaff**

Online test taking and result analysis tool having extensive user and question paper management facilities.

Architecture : Web based 3 tiers  
Front End : JSP+ AJAX



Database : Postgre SQL  
Browser : IE, Firefox

#### **16. Ticketing and Cruise resource/package management system with Point of Sales**

**Client Name: Vivada Inland waterways limited**

This System helps vivada to manage cruise resources, manage packages and products. Resource booking and ticketing is also can be done through this. This has also got point of sales facility.

Architecture : Web based 3 tiers  
Framework : Struts  
Front End : JSP+ AJAX  
Database : Postgre SQL  
Browser : IE, Firefox

#### **17. Battery Selection and Sizing Tools**

**Client Name: Exide**

This unique solution helps Exide sales and R 'n D people for selecting batter type for particular application use and its sizing based on client input/need. Through this system battery room dimension can also be determined.

Front End : JSP+ AJAX  
Database : Text files  
Browser : IE, Firefox

#### **18. SMS based gatepass System (Entry tracking for more than 7000 towers)**

**Client Name: Indus Towers Limited**

Indus is one of the largest telecom infrastructure company in the world. Our System is used for sms based gatepass request generation and entry confirmation for more that 7000 towers. Through this web portal Indus also communicate with their technicians, vendors and other field staff. This system has been hosted with Rackspace and we have mapped sms gateways along with this system

Front End : JSP+ struts  
Database : My Sql 5  
Browser : IE, Firefox

#### **19. Online Material Movement Tracking (Tracking for more than 7000 towers)**

**Client Name: Indus Towers Limited**



Presently we are developing this system through which Indus will keep track of material movement to and from warehouses to towers for tower upgradation and addition purpose. Also vendors and Transporters as well are part of this system

Front End : JSP+ struts  
Database : My Sql 5  
Browser : IE, Firefox

## **20. Web Based Order Tourist Information System**

**Client Name: The Indian Tourism Pvt Ltd**

We have developed and implemented this system through which The Indian's can store Personal and Travel information of each tourist visiting India through their company along with Travel Agents, Guides, Hotels, Car Rental for future Reference and analysis.

Front End : PHP  
Database : My Sql 5  
Browser : IE, Firefox

## **21. Web Based Order Tracking, Sales, Purchase System for large electronics store chain**

**Client Name: Sales Emporium**

We have developed and implemented this system through which Sales Emporium will keep track of its stock, purchase, Sales of each point of sales and commission of the salesman along with the accounting part. It's a complete web based solution for electronics retailers.

Front End : PHP  
Database : My Sql 5  
Browser : IE, Firefox

## **22. Web Based ERP for Agro Products**

**Client Name: Saradha Agro**

We have developed and implemented this system through which Saradha will keep track of its stock, purchase, Sales along with the accounting part. It's a complete web based solution for AGRO products.

Front End : PHP  
Database : My Sql 5  
Browser : IE, Firefox



### **23. Online Wage Register (Capturing Wage details for more than 10000 Mobile Tower Assistants)**

**Client Name: Indus Towers Limited**

This web portal captures personal data of all MTA's involved in mobile tower maintenance and keeps tracks of their wage details as this maintenance process has been outsourced to different vendors. This also checks data duplication, incomplete details for compliance purpose.

Front End : JSP+ struts  
Database : My Sql 5  
Browser : IE, Firefox

### **Development of Interactive web sites**

Our Rtizen have developed websites for various types of industries, products & services both for the domestic & overseas customers. In this era of intense competition, web sites designed by an Rtizen stands out by virtue of their high quality & affordable prices.

Some of the selected clients for whom Rtizen have developed their web presence.

- ❖ [www.ijjt.net](http://www.ijjt.net)
- ❖ [www.kaushalyainfrastructure.com](http://www.kaushalyainfrastructure.com)
- ❖ [www.parulprakashani.com](http://www.parulprakashani.com)
- ❖ [www.sukumarduttaandassociates.com](http://www.sukumarduttaandassociates.com)
- ❖ [www.hindu-school.com](http://www.hindu-school.com)
- ❖ [www.rhs-services.com](http://www.rhs-services.com)
- ❖ [www.theindiantourism.com](http://www.theindiantourism.com)
- ❖ [www.fmjf.com](http://www.fmjf.com) (Montreal Jazz festival, Canada)
- ❖ [www.sunshinetoursindia.com](http://www.sunshinetoursindia.com)
- ❖ [www.chhou.org](http://www.chhou.org)
- ❖ [www.settsan.com](http://www.settsan.com)
- ❖ [www.cadworld-aces.com](http://www.cadworld-aces.com)
- ❖ [www.duttaeximconsultant.com](http://www.duttaeximconsultant.com)
- ❖ [www.decointernational.com](http://www.decointernational.com)
- ❖ [www.livosin.com](http://www.livosin.com)
- ❖ [www.eagehealth.com](http://www.eagehealth.com)



## **Benchmarks**

We have a large pool of highly professionally qualified trainers who are having experience in computer training in big corporate houses. We have the proud privilege of imparting computer training to the staff (clerks, officers & sub-staffs) of **Bengal, North East & Bhubaneswar circle of State Bank of India.**

***Our Company also has a major role in digitization of old documents.*** We have got the expertise and infrastructure for digitization of very old documents

- ❖ **SBI, History Cell, Kolkata.** (150 years old document)
- ❖ **Document digitization of BSNL, Siliguri.**
- ❖ **Document Digitization for Entire SBI Employees (more than 2 lacs) Provident Fund and Gratuity Fund Nomination Form at SBI Central Accounts Office , Kolkata.**
- ❖ **Document digitization for the entire office file for Escorts Limited, Kolkata**
- ❖ **C.A.F. project for B.S.N.L. Siliguri, West Bengal, India**

Our Experienced ITES team also has completed prestigious projects like **R.S.B.Y** (Rastriya Swasthya Bima Yojna), a **joint venture project of state and central government of india.**

**We are empanelled vendor in the field of Data services and Software/System Development & Integration for Webel Technologies Ltd (A Govt. of West Bengal Undertaking).**

## **Product Lines:**

### **PRESCRIBE**

**It's a solution for Doctors for keeping patient database, Patient history, and medicine list and get print out of prescription.**



TestMate is a test engine that enables faculties to create subject based questions papers and test their students in a **multiple choice** or **true/false** setup. The students in turn can analyze and compare their scores against their earlier performances and also against the performance of other students. This application can be used both as online or offline and it has been developed in **free source** using JAVA, POSTGreSQL. To add to the user's convenience, the application can be run on both WINDOWS and LINUX.



TIS, a DATAWAREHOUSING application developed for the Travel & Tourism Industry which is basically a repository of an organization's electronically stored data to facilitate reporting and analysis. Many references to TIS use this broader context. Thus, an expanded definition for Tourism Information System includes business intelligence tools, tools to extract, transform, and load data into the repository, and tools to manage and retrieve metadata.

This has also been developed using open source tools and web architecture for user convenience.

**AGROMATE**

This is an ERP system for companies involved in Agro based product business. This will keep track of its stock, purchase, Sales along with the accounting part. It's a complete web based solution for AGRO products. Tracking Procurement of Raw materials is also handled through this system. This has been developed using Open Source tools.



A help desk is an information and assistance resource that troubleshoots problems products or services. Corporations often provide help desk support to their customers via a toll-free number, website and/or e-mail. There are also in-house help desks geared toward providing the same kind of help for employees only. In the Information Technology Infrastructure Library, within companies adhering to ISO/IEC 20000 or seeking to implement IT Service Management best practice, a help desk may offer a wider range of user centric services and be part of a larger Service Desk.

**Service Modules Covers.**

- Basic Call Management
- Escalation Management , SLA and Call Management
- Document Management
- Asset or Inventory Management
- Call Cost Management
- Customer Portal
- Billing Assistance

**QUEUE  
MANAGEMENT  
SYSTEM**

This System helps maintaining QUEUE in any form of business starting from hospitals to restaurants. This system basically control the footfall in a particular premises and stores data for future data analysis for business development purposes.



<b>LOANSOFT</b>	This system has been designed for financial organizations who are involved in loan disbursement and recovery. This system can be customized to match the needs of any specific organization. This is a complete web based system which can also be installed in local server for security purpose.
<b>HOSPITALITY</b>	This has been designed keeping in mind the needs of the hospitality industry. Through this system one can manage hotel, restaurants, Luxury Cruise and Resorts. Apart from regular Hotel and restaurant/bar management this has also got features like Cruise resources Management, manage packages and products. Resource booking and ticketing is also can be done through this. This has also got point of sales facility.
<b>ORBITYCS</b>	The Orbitycs provides a standard integration methodology from capturing data from various external sources. This solution consists of features like: data warehousing, Billing and CRM, Dashboard and MIS. This system can be used in various business domain for data analysis purpose as this portal has got features like comprehensive management form allowing a very detailed range of data to be captured for each of the individual.

#### **Our Clientele:**

##### **Domestic**

- ❖ Philips India Limited (BULUM) & (BULE)
- ❖ Apollo Gleneagles Hospitals Ltd.
- ❖ Indus Towers Ltd
- ❖ Universal Success Enterprise Limited
- ❖ Fortis Healthcare
- ❖ IIJT Education Limited
- ❖ Kaushalya Infrastructure Ltd.
- ❖ Ranbaxy Ltd
- ❖ Indian Tourism Pvt Ltd.
- ❖ Allen Laboratories Pvt Ltd.
- ❖ International Combustion Ltd.
- ❖ Maraica Industries Limited
- ❖ Pitambari Fashions Pvt Ltd
- ❖ Lastpeak Data Private Limited
- ❖ Bioniche Inc
- ❖ Subject Gre
- ❖ MSTI





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- ❖ IMPS College of Engineering and Technology
- ❖ Webel Technology Limited (Under Sub contract of WTL enlisted vendor)
- ❖ Indian Army through enlisted vendor
- ❖ Exide Industries Ltd
- ❖ Vivada Inland waterways Ltd
- ❖ Saradha Group

**Overseas**

- ❖ Siemens PTD (Thailand)
- ❖ Warmfloor Inc (USA)
- ❖ Thermonde (USA)
- ❖ Recruitopiacorp Inc. (USA)
- ❖ InetBP (Belgium)
- ❖ DHP Trading (UK)
- ❖ StudioMora (USA/ West Indies)
- ❖ Webware Bazaar (USA)