



Al-Hiyal Automation Limited

Next Generation Automation RPA :: AI :: Big Data :: IoT

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COMPANY PROFILE



Al-Hiyal Automation Limited

Next Generation Automation RPA :: AI :: Big Data :: IoT



|| RPA || AI || BI || IoT || Industrial Automation || Ecommerce || APP ||

Flat- 2-A, House – 44, Road – 14, Nikunja – 2, Dhaka – 1229



Al-Hiyal Automation Limited

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CONTENT

AL-HIYAL AUTOMATION LIMITED (AHAL)	3
MISSION	4
TECHNOLOGIES WE ARE EXPERT	5
CLIENTS LOCAL	6
CLIENTS INTERNATIONAL	6
SERVICE WE PROVIDE	7
PRODUCT LIST	8
MAJOR PRODUCTS	9
AL-HIYAL ENTERPRISE APPLICATION DEVELOPMENT FRAMEWORK	9
EROSNXT – MEDIA PLANNING, SCHEDULING, BUYING AND BILLING TOOL	11
RPA	12
BI & AI	13
ARES - HUMAN RESOURCE & PAYROLL MANAGEMENT SYSTEM	14
MATRIX - FINANCIAL CAPABILITIES, GOALS, ANALYSIS TOOL	16
DOCUSPEEDY - IPTS – INVOICE PROCESS & TRACKING SYSTEM	17
SAB – SMART ALLOCATION BOT	18
GALAXY – SECONDARY SALES REPORTING TOOL	18
UPROPOSE – INNOVATIVE BUSINESS PARTNERING	19
CAR BOOIKNNG ANDROID APP	20
DAS – DOCUMENT ARCHIVAL SYSTEM	21
FAS - FINANCIAL ACCOUNTING CORE MODULE	22
DOCUSPEEDY - FATS – FILE APPROVAL & TRACKING SYSTEM	23
IRENA - KNITT GARMENTS MANUFACTURING PROCESS SYSTEM	24
FACT	25
OFFICES	25



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AL-HIYAL AUTOMATION LIMITED (AHAL)

Al-Hiyal Automation Limited (AHAL) is a unique development house and has been providing technology consultancy, staffing, onsite and offsite or offshore development services and solutions.

Al-Hiyal Software was registered in 2006 as a proprietorship company in Bangladesh. Now it converted to new name **Al-Hiyal Automation Limited (AHAL) as Limited Company** which is ever green solution provider since 2006 in Bangladesh. **AHAL** introduced in market as **IT Vendor of Unilever Bangladesh**.

Over the last 14 years, **Al-Hiyal Automation Limited (AHAL)** has established itself as a consistent and reliable software & IT services company through its commitment and dedication towards quality, innovation and customer satisfaction.

We are the premier IT Consulting and Professional Services provider in Bangladesh. We maintain the highest value and reliability rankings among its customers and have the experience on the most recognized development platforms. We serve global enterprises through technology and services made possible by the onsite & offshore professional services model.

We are the fierce about the business of strategic consulting, application development and IT outsourcing. Our high-quality, value-added solutions and services, through people, process and product, make us an integral part of our client's business process and help our clients to become successful in the global market domain.

Using the proven methods of design, documentation, implementation, quality assurance, and most importantly, communication, we are the company that understands the business of providing wide range of IT solutions and services. Our work ethic and strategy-oriented culture demand that we see the entire business picture, aiming for long-term impact versus focusing on the latest technology trends.

We believe in:

- ❖ Empowering ourselves through collective leadership
- ❖ Commitment to professionalism, versatility and ethics
- ❖ Adding continuous value to our clients
- ❖ Our culture is based on constant innovation, learning and knowledge sharing.



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MISSION

Al-Hiyal Automation Limited (AHAL) is conferred to conveying planet class innovation results for an essentially incorporated business group. Our vision is to be the Global Technology Solutions Provider. Our objective is to enable our procedure driven approaches for the fast arrangement of business usefulness in a dynamic, captivating and nature's domain.

Al-Hiyal Automation Limited (AHAL) grasps that business worth, can't be accomplished through innovation distant from everyone else. It begins with individuals: specialists working together to get to the heart of your unique business targets and advance the most acclimates results for fit these prerequisites. We accept this human-focused approach to engineering is the thing that has the effect for your business.

To ceaselessly develop as a Professional Software and Web Development Company and be business friends to our household customers in Bangladesh and worldwide customers in the US, Canada, UK, Australia, Europe and other universal markets.

Using our key components - people, process and technology, we are aiming to create a world class IT solution provider organization and enable our clients to use technology smartly by delivering the IT solutions on time at an optimal cost.



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TECHNOLOGIES || WE ARE EXPERT



Microsoft Technologies

- ASP.Net Core 2.0
- ASP.Net Form
- ASP.Net API
- AHAL Framework
- C#



JavaScript

- Angular JS
- jQuery



Database

- MS-SQL
- MS-Access
- My-SQL
- Azure-SQL



Open-Source Platform

- PHP
- WordPress
- Os-Commerce
- Magento
- Laravel



Server

- IIS Server
- Apache Server
- Tom Server
- Azure



Android & Misc.

- Xamarin
- SaaS
- Bootstrap
- Ionic
- Power APPs



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CLIENTS || LOCAL

 Unilever Unilever Bangladesh Ltd	 Unilever Consumer Care Limited Unilever Consumer Care Ltd	 রবি Robi Axiata Limited
 airtel Airtel Limited	 MINDSHARE Asiatic Mindshare BD Limited	 MBA MBA Bangladesh Ltd
 WAVEMAKER MEDIA, CONTENT, TECHNOLOGY WAVEMAKER Ltd	 HAVAS MEDIA GROUP HAVAS Media Group	 top of mind Top of Mind Bangladesh
 RYANS Archive A Media Monitoring Company Ryans Archive	 ISPAHANI Ispahani Group	 PADAKHEP MANABIK UNNAYAN KENDRA Padakhep Manabik Unnayan Kendra
 ekaterra ekaterra	 Unilever PAKISTAN Unilever Pakistan Ltd	 MEDIA SOURCE ... real time media intelligence Media Source

CLIENTS || INTERNATIONAL

 Azox Integrated E-Commerce (Integrated E-Commerce Solution Provider)	 MAERSK AP Moller Maersk (Shipping and Logistics Company)	 AXIOM Systems Axiom (Healthcare Payer Market Consulting Services)
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SERVICE WE PROVIDE



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PRODUCT LIST

- Al-Hiyal Enterprise Application Development Framework.
- EROS – Media Planning, Scheduling, Buying and Billing Tool.
- RPA – Robotic Process Automation.
- BI - Business Intelligence.
- AI – Artificial Intelligence.
- ARES – Human Resource Management System.
- MATRIX – Financial Capabilities, Goals & Analysis Tool.
- Docuspeedy - IPTS – Invoice Process & Tracking System.
- ALLOBOT – Smart Stock Allocation Tool.
- GALAXY – Secondary Sales Reporting Tool.
- UPROPOSE – Innovative Business Partnering Tool.
- MOBILE APP
- VAS – VAT Document Archival System.
- Docuspeedy - FATS – File Approval & Tracking system
- FAS – Financial Accounting Core Module.
- IRENA – Knit Garments Manufacturing Process System.



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MAJOR PRODUCTS

Beside our professional services, we are offering wide-range of products to help our customers to provide these services without spending their time and effort to build software solutions for day-to-day operations.

AL-HIYAL ENTERPRISE APPLICATION DEVELOPMENT FRAMEWORK

Microsoft .NET is a standard, robust, scalable, and secure platform that forms the basis for many of today's enterprise applications. Microsoft .NET provides a set of specifications for building multi-tier applications using the wide range of languages like C#, ASP.NET, J#, etc. However, the comprehensive set of specifications is in many cases overwhelming and creates a steep learning curve for developers wanting to use .NET in their development.

The complex nature of the .NET platform has over the years forced developers to evolve best practices and design patterns. Additionally, the increased need for organizations to build composite applications that utilize Service Oriented Architecture (SOA) principles has forced developers to create applications that are extremely agile. Implementing these best practices in agile applications usually involves writing scores of infrastructure code, adding another obstacle for developers building their .NET application.

The way to solve these obstacles is to use a framework such as the Al-Hiyal Enterprise Application Development Framework that abstract the complexity of the .NET platform but still leverages its power.

AL-Hiyal Enterprise Application Development Framework (EADF) is an innovative .NET development framework available in Visual Studio 2008 and Onwards. Al-Hiyal EADF simplifies .NET application development by minimizing the need to write code that implements design patterns and the Application's infrastructure. Al-Hiyal EADF provides these implementations as part of the framework. To recognize a set of runtime services is not enough, Al-Hiyal EADF is also focused on the development experience to provide a visual and declarative approach to .NET development.



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Clients



MINDSHARE



MBA

HAVAS
MEDIA GROUP

WM
WAVEMAKER
MEDIA. CONTENT. TECHNOLOGY.

RYANS Archive
A Media Monitoring Company

airtel

topofmind.

Unilever
Consumer Care
Limited

ISPAHANI



MEDIA SOURCE
... real time media intelligence

PTHM



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EROSNXT – MEDIA PLANNING, SCHEDULING, BUYING and BILLING TOOL

ErosNXT is the complete cloud-based solution for media related activities (like planning, scheduling, buying, monitoring and billing) and this tool is effective for those companies (Media Buying Companies, Media Agency and Monitoring Agency) who are relates to media world. Main objectives of this tools are gap analysis between plan vs. execution, plan vs. bill and bill vs. execution, prepare schedules based on plan, electronic schedule transfer to various medias (like TV, Radio, Newspapers, Magazine, Digital, Outdoor etc.), bill generate from schedules etc.

Benefits of ErosNXT

- ☐ Rate Authorization
- ☐ Budget Approval Process
- ☐ Generate Media Brief
- ☐ Suggestive Plan Generation for TV
- ☐ Prepare Media Plan (TV, Radio, Press, Digital, Outdoor and others) and Authorization
- ☐ Real Time Monitoring
- ☐ Prepare Schedule based on Authorized Media Plan and Authorization
- ☐ Interfacing with Media Viewership Data
- ☐ Dashboard Generation
- ☐ Analysis and Analytics Reports
- ☐ Interfacing with SAP (PR, PO, and GR)
- ☐ Interfacing with Media Telecast Data
- ☐ Prepare Bill based on Authorized Schedule and Telecast Data
- ☐ Reconciliation between Plan Rate Vs Authorized Rate, Plan Vs Execution, Plan Vs Bill, Bill Vs Execution
- ☐ Generate Exception Report
- ☐ Mobile App
- ☐ Robotic Process Implements for Data Fetching
- ☐ And many more MIS Reports

Clients





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RPA

Robotic process automation or **RPA** handles repetitive business processes using software robots to perform tasks, parse, and trigger error-free responses 24/7.

Business Benefits of Robotic Process Automation:

- ☐ Cost savings
- ☐ Significant process improvements
- ☐ Redeployment of resources to higher value functions
- ☐ Improved productivity
- ☐ Improved quality
- ☐ Improved customer service
- ☐ Improved compliance

Our Work:

- ☐ Data Send from SAP to ALLOBOT Automation – **Unilever & UCL**
- ☐ Matrix Cash up Report Automation- **Unilever & UCL**
- ☐ Bank Balance Statement Automation
- ☐ Bank Account Reconciliation With SAP Automation
- ☐ SO Entry Automation
- ☐ Dashboard Data Extraction Automation – **Robi & Airtel**
- ☐ Dashboard Data Fetching Automation – **Robi & Airtel**

Clients





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BI & AI

Business Intelligence is a broad category of applications and technologies for gathering, storing, analyzing, and providing access to data to help clients make better business decisions. BI is a system that collects, integrates, analyses, and presents business information to support better business decision making.

Artificial intelligence (AI) is the ability of a computer or a robot controlled by a computer to do tasks that are usually done by humans because they require human intelligence and discernment. Although there are no AIs that can perform the wide variety of tasks an ordinary human can do, some AIs can match humans in specific tasks.

Business Benefits of Bi & AI:

- ☐ Fast and accurate reporting
- ☐ Valuable business insights
- ☐ Competitive analysis
- ☐ Better data quality
- ☐ Increased customer satisfaction
- ☐ Identifying market trends
- ☐ Increased operational efficiency
- ☐ Improved, accurate decisions
- ☐ Increased revenue
- ☐ Lower margins

Our Work:

- ☐ Secondary Sales Dashboard – **Unilever & UCL**
- ☐ Primary Sales & Inventory Dashboard- **FMCG Unit**
- ☐ Primary Sales & Credit Sales Dashboard- **Cement Unit**

Clients



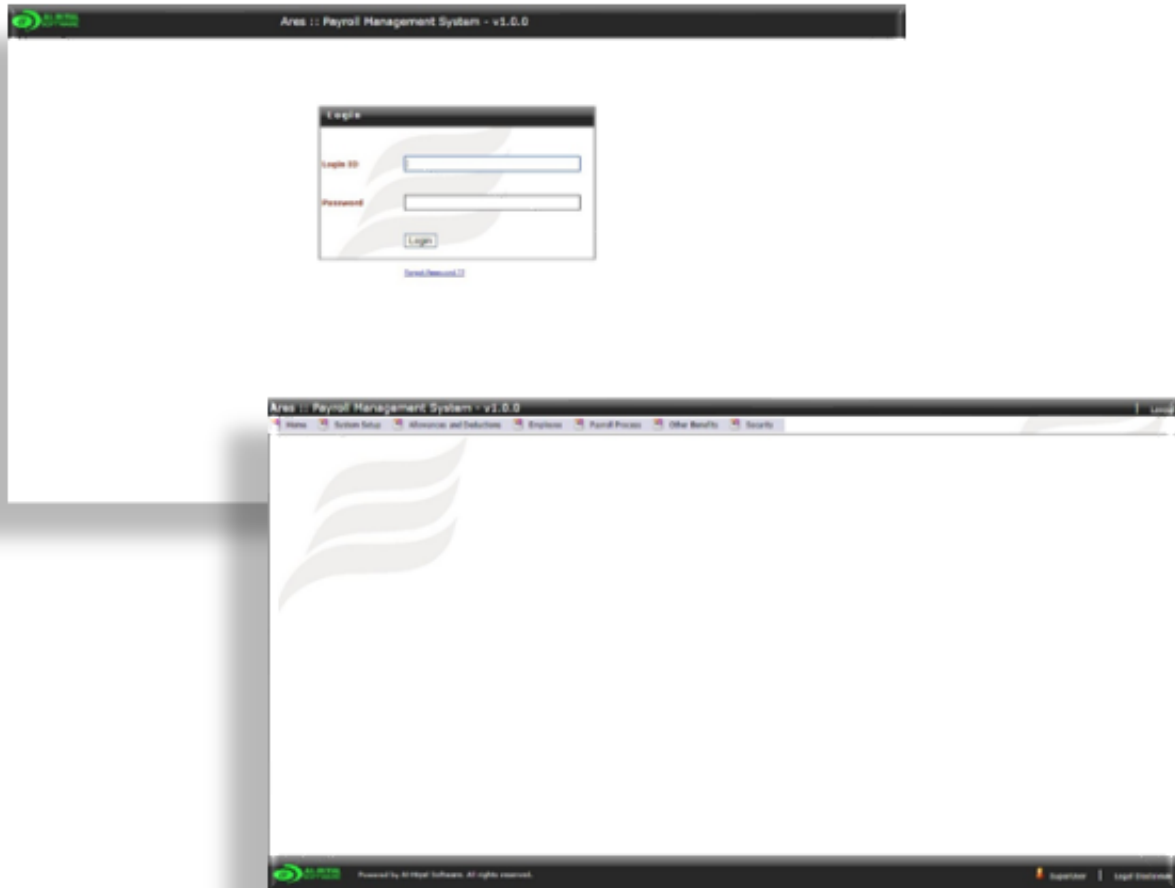


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ARES - HUMAN RESOURCE & PAYROLL MANAGEMENT SYSTEM



Human Resources (HR) resource management system solution is one of the core modules in any organization which enables the effective management of information about the people within an organization and integrates this information within external system. For any organization employees or Human Resources are considered the most powerful resource. So, to maintain the employee related data we require one system which ensures accuracy and consistent within the organization.

The basic task of Human Resource Management is to produce the organizational hierarchies, relationships between employees and to allow effective storage and administration of employee data. Now from the Organization Management perspective, companies can model a business hierarchy, the relationships of employees to various business units and the reporting structure among employees.

Some basic processes covered by any Human Resources department are:



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Personnel Administration: sub module helps employers to track employee master data, work schedules, salary and benefits information.

Personnel Development: functionality provided by this sub module focuses on skills of each employee, qualifications and career plans.

Time Evaluation: process attendance and absences, gross salary and tax calculations.

Payroll: payments to employees and third-party vendors.

More sub-modules provided by the (HR) module are:

- ☐ Human Resource
- ☐ Leave Management
- ☐ Attendance Management
- ☐ Training Management
- ☐ Recruitment Management
- ☐ Payroll Management
- ☐ Provident Fund Management
- ☐ Employee Self Service
- ☐ Online Job Portal

Many of these sub modules are further sub divided into many components like Time Management which is further divided into Time Administration, Shift Planning, Incentive Wages and Time Sheet.

Clients



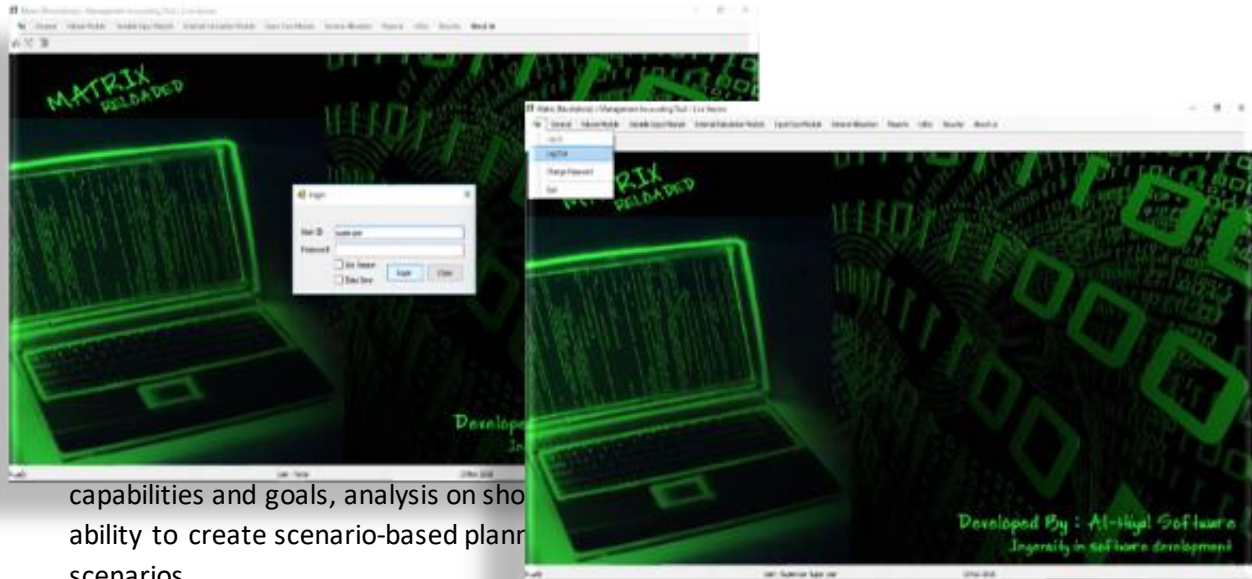


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MATRIX - FINANCIAL CAPABILITIES, GOALS, ANALYSIS TOOL



capabilities and goals, analysis on show ability to create scenario-based planning scenarios.

The major features of this system:

- ☐ Dynamic Formula Calculation Setup
- ☐ Each entry module has an entry
- ☐ import and export facilities
- ☐ Landed Cost Calculation Modules
- ☐ Location and Product wise General Allocation Modules
- ☐ Activity Base Calculation Modules
- ☐ Input Modules (Blend Cost, Chemical Packing and Imported Finished Goods)
- ☐ Dynamic Process Sequence and Process Run
- ☐ Dynamic Report Generation and many more reports.

The system helps management team to take decision for future planning, budgeting very short period but effective and accurate way. It's improved the employees' productivity and minimizes the company cost.

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DOCUSPEEDY - IPTS – INVOICE PROCESS & TRACKING SYSTEM

Barcode No.	Work ID	Company Code	Scan User ID	Receive Date	Vendor Code	Vendor Name	Invoice No.	PO No.	Amount BDT	Payment Status	Due Date
ITL2022061500151C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL7914	Farmer Cargo Portman	04-FR020-01-15-2022	04 For The Month of May 22	287,880.00	Service Confirmation	30 Jun 2022
ITL20220615001510C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL7915	Rahman Enterprise	04-R000000-15-2022	04 For The Month of May 2022	180,000.00	Service Confirmation	30 Jun 2022
ITL202206150015140C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL79001	Apurban Paddy Limited	Carrying B01	12.06.22	288,000.00	Service Confirmation	30 Jun 2022
ITL202206150015140C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL74289	A R Construction & Supplier	08.06.22	P0217121	7,070.00	Service Approval	30 Jun 2022
ITL202206150015140C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL81540	Mallikarjun Limited	B/R 2002-1000-0000-00412015	08.03.22,09.22,12.24,02.07.24,02	300,120.00	Service Confirmation	30 Jun 2022
ITL202206150015140C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL81106	Deep Marketing Bangladesh Ltd.	B/R 248.021	P0217147	1,214,400.00	Service Confirmation	30 Jun 2022
ITL202206150015140C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL81900	Uchchayonmukha Vendor	07.06.2022	07.06.2022	75,000.00	Service Confirmation	15 Jun 2022
ITL202206150015140C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL83204	Imroza	B/R 101	P0217129	104,000.00	Service Confirmation	30 Jun 2022
ITL202206150015140C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL74000	Uda Testing	B/R 401	P0217154	41,000.00	AP Process	30 Jun 2022
ITL202206150015140C	ITL000000001786	ITL	anfalur rahman	15 Jun 2022	SL73000	Arif Khan Process	B/R 171.172	P0217006,7008	120,700.00	AP Process	30 Jun 2022

IPTS is a highly scalable, platform independent BPM solution that enables wide variety of industries to streamline their business processes. This system work based on a Rule based Workflow system for Business Process Automation.

Main Features

- ☐ Flexible Business Process Management.
- ☐ Invoice Scanning & Archiving.
- ☐ Retrieval of Archived Documents.
- ☐ Online Invoice Tracking.
- ☐ Online Invoice Processing.
- ☐ Workload balancing of Different Stack holders.
- ☐ Online Authorization of Invoices.
- ☐ Web browser User Interface for remote access and administration

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SAB – SMART ALLOCATION BOT

Main Features

- ☐ Starvation Allocation Logic
- ☐ Order Trimming
- ☐ Material Substitution
- ☐ Customer Prioritization
- ☐ Material Determination
- ☐ Parent Child Allocation Capability
- ☐ Multiple Version
- ☐ Direct Dispatch
- ☐ Integration with ERP (SAP, SNC and etc.)
- ☐ Email Capabilities to Stakeholders
- ☐ MIS Reports



Clients



GALAXY – SECONDARY SALES REPORTING TOOL

Main Features

- ☐ Destination SKU Reach
- ☐ FOS related Reports
- ☐ CD Performance Deck
- ☐ Drive COTC/MD
- ☐ Secondary Sales Data
- ☐ Discrete SKU Report
- ☐ Winter Outlet SKU Combination

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UPROPOSE – INNOVATIVE BUSINESS PARTNERING

The image displays four mobile app screens connected by arrows, illustrating a workflow for budget approval. The first screen is the 'Sign In' page with fields for User ID and Password. The second screen, 'Pending ABs', lists several budget items with details like AB No., Title, Amount, and Date, each with a 'Date Extend' button. The third screen, 'AB Details', shows a detailed view of a specific budget item, including its title, number, date, initiator, amount, and closure date, along with an 'Authorization Users' table. The fourth screen shows the 'Authorization Users' table with columns for Name, Receive Date, and Processed Date, and buttons for 'Preview', 'Update', 'Approve', and 'Reject'.

AB No.	Title	Amount	Date
QTD081802	r7Ju	792,000.00	12 Aug 2018
SAM081801	grifgc	1,178,500.00	13 Aug 2018
CAC081804	ABC	17,957,580.00	18 Aug 2018
EVN091801	test-sabiha	2,495,000.00	04 Sep 2018
PON091801	test3-sabiha	20,000.00	04 Sep 2018
OMN091801	test4-sabiha		04 Sep 2018

Name	Receive Date	Processed Date
Sabiha Yeasmin	04 Sep 2018 12:00	
Mr. Tanveer Faruq	04 Sep 2018 12:00	
Zahidul Islam Malita	04 Sep 2018 12:00	
Munshi Ashraf UR Bari	04 Sep 2018 12:00	
Kadar Lile	04 Sep 2018 12:00	

It is a web-based solution that organizes all contacts and documents, deadlines, and related data within a proven, flexible set of practices-specific windows and workflow that can be easily customized. It has a mobile app for Budget approval.

The tool integrates

- ☐ Control over Marketing Budget
- ☐ Control over Charge and Payment
- ☐ Control over Promotional Expenditures
- ☐ Interface with SAP

Clients



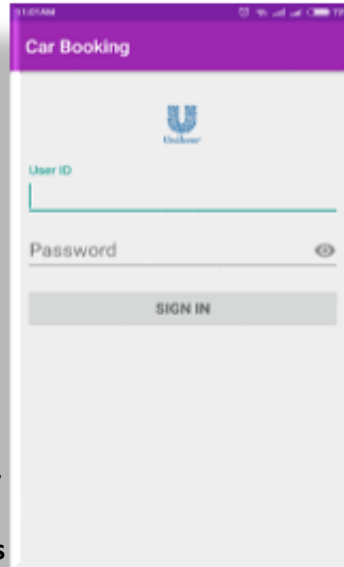


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CAR BOOKING ANDROID APP



- ☐ Tracking the Journey Details
- ☐ Store Car Booking Records
- ☐ Efficiently Vendor Handling
- ☐ Generate MIS Reports

Clients



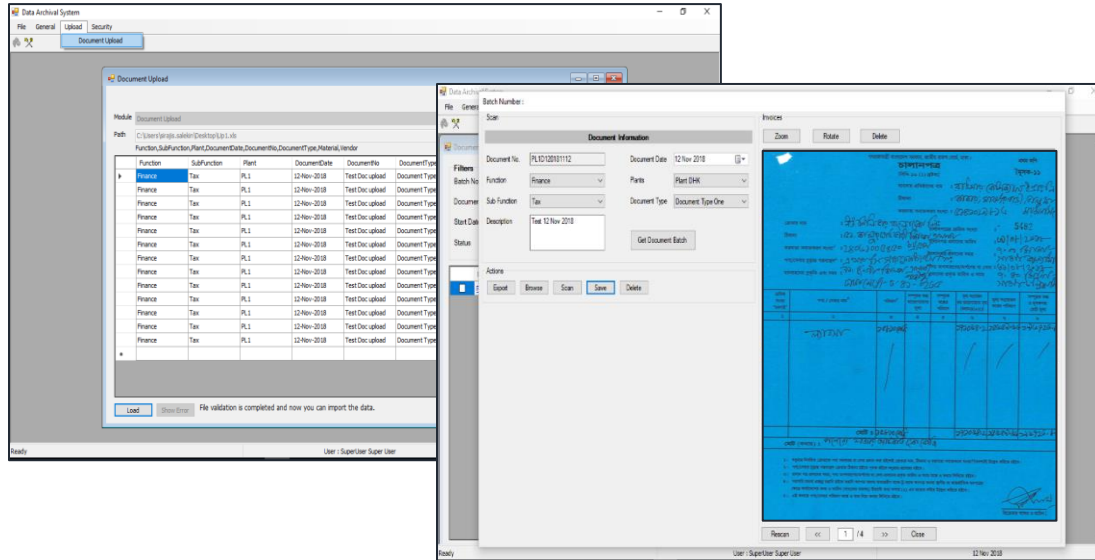


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DAS – DOCUMENT ARCHIVAL SYSTEM



Document storing day after day and show them to Government whenever they want become panic for long run companies. So, Al-Hiyal Automation Limited offering a solution for storing as well as scanning those documents in a place and user can download & print any time as well as show Government by giving a simple sharing link to them.

The major features of this system:

- ☐ Document scanning like VAT , Tax etc.
- ☐ Date wise / Month wise storing
- ☐ Any time printable Document like VAT, tax etc.
- ☐ Link share to any party when number of document huge

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FAS - FINANCIAL ACCOUNTING CORE MODULE

The program can handle accounting needs for any type of concern. All the output is on the fly and no batch mode processing is required. One can get trial balance, balance sheet, Profit and Loss Statement, cash flow analysis, schedule of accounts at any given time. There is no obligatory period closing process like monthly or yearly closing. Back-posting and reversal of vouchers with full audit trail is available. The software has the option of voucher printing and report generation feature. Accounts Payable and Accounts Receivable modules are attached with the main module and ageing analysis is available on the fly.

The major features of this system:

- ☐ Master Data
- ☐ Chart of Account
- ☐ Payment -----> Cash Payment, Bank Payment
- ☐ Receive -----> Cash Receive, Bank Receive
- ☐ Journal Voucher
- ☐ Posting Approval
- ☐ Opening Balance
- ☐ Book
- ☐ Ledger Book
- ☐ Trial Balance
- ☐ Balance List
- ☐ Monthly Turnover
- ☐ Recurring Voucher
- ☐ Transaction-----> Reverse Transaction, Closing Transaction
- ☐ Profit Loss Statement
- ☐ Balance Sheet
- ☐ Rollback Year End
- ☐ Final Account Report Process

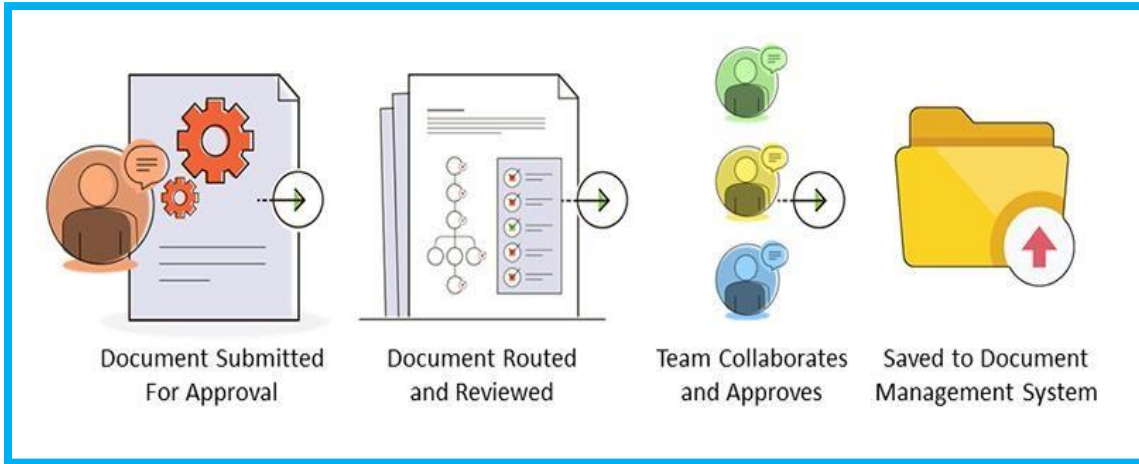


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DOCUSPEEDY - FATS – FILE APPROVAL & TRACKING SYSTEM.



File Approval & Archival System: A formalized, automated approval process for submitting, routing, reviewing, approving, approval tracking, and collaborating on a variety of document types to make approval decisions. Document approval software ensures organizational standards are met and provides a complete audit trail of document workflow actions taken including time, date, and individual.

Some basic processes covered by system are:

- ☐ **Initiator:** Initiate the Note with attachments and send for further approval.
- ☐ **Approval:** Based on department & functionality there are multi-level approver assigned for approve the file.
- ☐ **Query:** Query in between Initiator & Approver.
- ☐ **Digital Sign:** As no pen & paper are using here so Digital sign will be used here for each user.
- ☐ **Document Storage:** Attachments as well as final outputs will be stored for future audit trial if need.
- ☐ **Approver Add:** In any stage Initiator & Approver can add new Approver.
- ☐ **Recommendations:** User can add recommendation.
- ☐ **Integrations:** Integration with 3rd party system.
- ☐ **Language:** Based on User requirements.
- ☐ **Mobile App:** Mobile APP for approval only.

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IRENA - KNITT GARMENTS MANUFACTURING PROCESS SYSTEM

This system is basically developed for export oriented knit garments industries. The system automates the entire manufacturing process and records production data for each order by fabrics color and by fabrics size, monitors the knitted fabrics, dyeing fabrics & finished garments items process. Head Office receives the order from the buyer & then electronically transfers the order sheet to the Knitting, Dyeing & Garment Factory. Based on the order sheet, the knitting factory produced the fabrics & then delivered the fabrics to the dyeing factory. Dyeing factory dyed the fabrics & then delivered the fabrics to the garment's factory. This system caters the production line of the finished goods of the garments factory & then ship ordered items to the buyer. The commercial part of the system is Merchandising, Order Processing, L/C Monitoring, Bill and Bank information tracking and monitoring. The entry point of the system is order received from buyer and the endpoint of the system is goods delivered to buyer. Between entry and endpoint there are lots of activities to properly handle the export order.

To do so, the system has the following components, and the components are:

- ☐ Export L/C Monitoring System
- ☐ Merchandising and Order Processing System
- ☐ Production Monitoring System
- ☐ Knitting Production Monitoring System
- ☐ Dyeing Production Monitoring System
- ☐ Garments Production Monitoring System
- ☐ Procurement Management System
- ☐ Material Management and Inventory Control System
- ☐ Raw Material Inventory
- ☐ Spare Parts as well as Other Materials Inventory
- ☐ Equipment and Machinery Information Management System



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www.alhiyal.com

FACT

AHAL has been providing technology consulting, staffing, onsite & offsite or offshore development services and solutions that enable our clients to successfully meet their business objectives. Our large numbers of skilled people in IT domains have been helping our clients to manage their day-to-day IT operations efficiently; so that our clients can concentrate on their core business competencies.

OFFICES

To reach an Al-Hiyal representative, please contact us at:

Address (Registered Office)

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