



MOVE-IT was founded aiming to invest in the scientific research in the software field. Over the last five years, company's life, MOVE-IT has adapted many of the research projects. The latest one was a scientific research named MOVE-FLOW. MOVE-FLOW is a workflow engine based on SAAS concept. This research was the reason that ITIDA (Information Technology Industry Development Agency, Egypt) chosen MOVE-IT to present EGYPT in ICT 2008 in France, and also the reason why MOVE-IT is chosen to contribute in the ITEA2 initiative (Information Technology for European advancement).

In the field of Content and Knowledge acquisition and processing:

We have implemented an Emergency Management System (EMS) for the Saudi Red crescent Society (SRCS). It is a Service Oriented Architecture (SOA) that acquires data from different resources to enhance ambulance service. For example: detecting false calls, selecting suitable hospitals for the case, and recommending best hospital according to shortest path...etc.

The system technologies are relevant to the creation, acquisition, transformation and modification of content & knowledge. Part of this is about finding out and maintaining the relationship between the various semantic levels.

In the field of Content and Knowledge management:

We have developed a web-based system to archive thesis, researches and publications of Helwan university researchers. The project named Digital Library for Thesis and dissertations (DLTD).

The system included technologies for building knowledge-intensive services. This involves retrieving appropriate content & knowledge while ensuring both its integrity and privacy.

In the field of Interaction:

We have developed a service oriented architecture workflow management system called "MOVE-FLOW". Through its SOA the user can build a process to control the execution of a set of services, services and human, machine and human ... etc.

Interacting entities are not only humans but also avatars & autonomous machines; the interactions in user-to-service, service-to-user and service-to-service cases become more similar, and interaction uses multiple modalities.

In the field of Network computing and Resource management:

We are working in a street lighting system. Its main goal is street lighting control, power management and detection of defected and damaged lights. It utilizes Technologies that take into account resource constraints. Such as weight, size, power, energy, computing, time, distance and radio frequency, or safely share resources.

In the field of Engineering, and Process Support:

We have released MOVE-FLOW: it is a workflow management system whose architecture is based on component based and service oriented architecture it works with the concept of Software as a service (SaaS). Clients do not need to host the engine to be able to use it in their applications. They host their processes on the engine. It targets normal users whom can use through its software developer who can use it through its web service interface.

The engine included new approaches to task-centered design. It utilizes the skills of engineering, and non-technical users. Architectures & standards for abstraction layers isolate the implementation of service logic from new ways to implement new interaction paradigms.

In the field of Software Engineering:

We have developed what we name "Developer assistant" which is code generator that helps developer generate ALL the layers he needs including UI. It utilizes Technologies supporting the approach for the development, operation, and maintenance of software.

Latest Scientific Publications...

"SaaS-Flow Software as a Service Workflow Management System"

Mustafa Gamal, Manal Ismail, and Hesham Keshk.

Software Engineering Theory and practice, Florida, USA: ISRST, 2009.

ISBN: 978-1-60651-031-1.

"Software as a Service Workflow Management System"

Mustafa Gamal, Manal Ismail, and Hesham Keshk.

Journal of Electrical Engineering. Ain Shams, Egypt, 2009.

Current working Researches...

MOVE FLOW

MOVE-FLOW...

MOVE-FLOW is a workflow engine based on SaaS model. MOVE-FLOW architecture executes process activities as a set of pluggable services. It considers human tasks as remote services executed by human. MOVE-FLOW Membership provider gives each organization its identity over the system. It guarantees that each organization has a unique namespace to identify processes and operations related to this organization.

MOVE-FLOW has a web portal that enables end user to use the system. The web portal has Task Renderer component, which render tasks into human interaction interface.

We have finished building the engine and the portal.

The planned next step is to enhance both the process designer module and the smart reporting facilities...



NABTA...

NABTA is a web 2 content management system (CMS) based on Software as a Service (SaaS) model.

We started with simple question, Does the current CMS satisfy the majority needs, and how CMS will look in the future?

So, we started with new vision to provide a new more options for the users, a CMS built from the scratch with Web 2.0 in mind and built as SaaS to let the users focus only on their content.

NABTA is a CMS, which enable users to create new sites and manager their content on these sites, change the layout, themes or colors as they want.

As a SaaS CMS, NABTA takes care of technology issues for the user, he should care about managing his content then let NABTA take care of keeping this content alive and available to the users.

NABTA is built by developers who know the diffulties of the development over any CMS.

So NABTA is targeting the development community from its first design meeting.

If we want to make one sentence that describes NABTA, we would say, NABTA is a WEB2.0, SaaS, CMS, Development framework.

NABTA Roadmap:

NABTA first step is to go live with simple, and easy interface which increases the users ability to change their sites layout or content (simple web2.0 CMS).

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www.moveitgate.com



MOVE-IT Enterprise Solutions

We will surprise your expectations.

27 Ain-Shams Street, Helmevet Elzaytoon.

Cairo, Egypt.

☎ Office : (+2) 022 63 82 409.
(+2) 022 24 11 978.

📱 Mobile : (+2) 010 66 70 975.
: (+2) 016 66 52 650.

✉ Emails: Hesham@moveitgate.com.
Support@moveitgate.com.