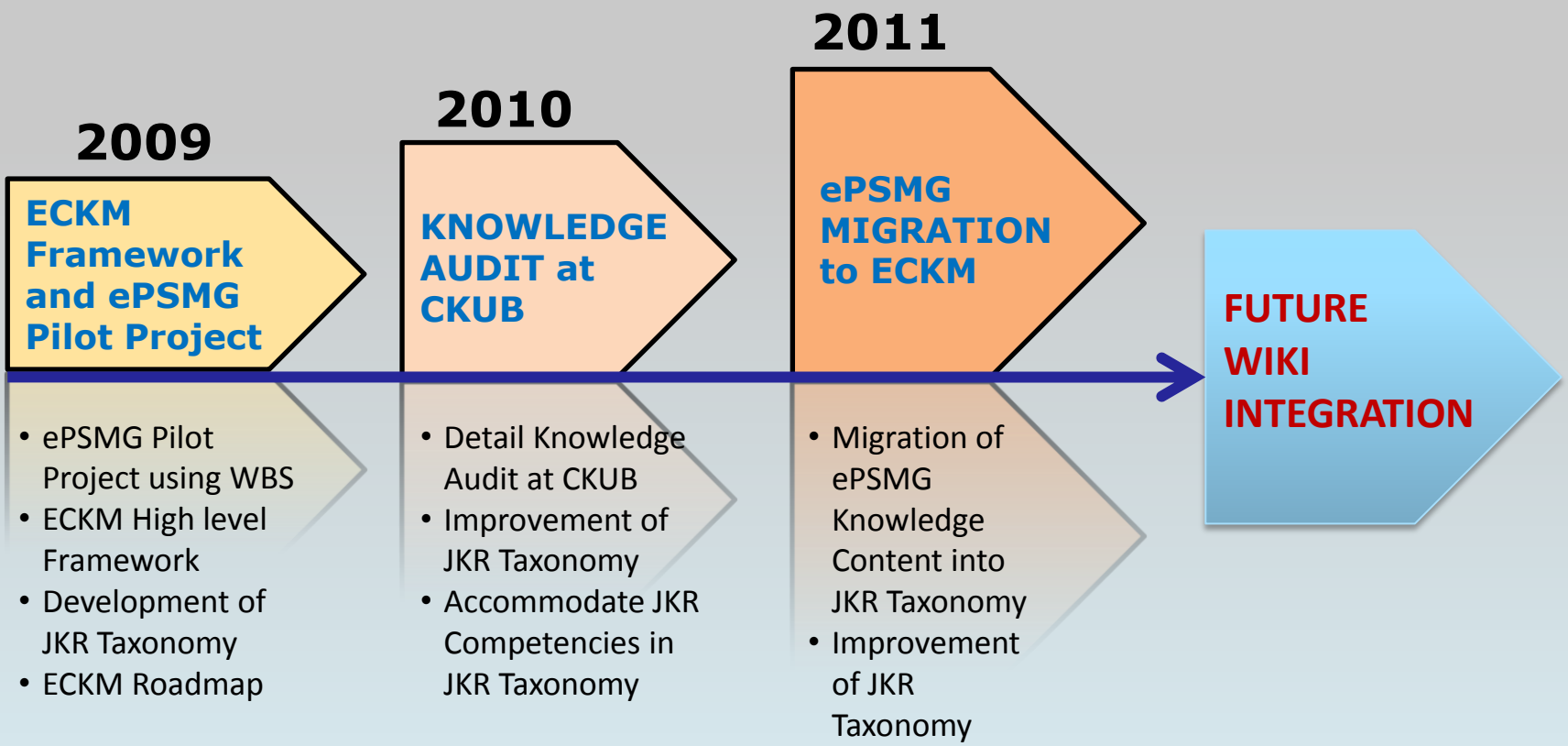
Wiki for Effective Knowledge Sharing

27th FEBRUARY 2012

JKR Wiki Development Phases



JKR Wiki

- ePSMG is the initial JKR Wiki and is developed using a wiki-based application.
- A wiki is an online tool that allows users to update and publish content collaboratively. Anyone who has access can edit the content, using a very simple tool and an ordinary web browser. Wiki usage is known as ‘collaborative authoring’.
- Mediawiki, an open-source application is used in supporting collaboration activities.

Advantages of Wiki

Feature	Blog	Forum	CMS	Wiki
Posting or editing content	Blogs usually only allow the blog owner to post content. Visitors are usually restricted to only commenting on posts from the blog owner. Often many times these comments need to be approved before they appear on the site.	Registered members can post content, however posting may require approval first. If a posting is closed, further comments are not allowed. Original posts cannot be changed by anyone other than the author.	Only those with certain accounts, such as administrators or editors, can post content. Visitors can only view content.	Anyone can add or edit content without the need for an administrators approval. Even unregistered members can be given permission to add and edit.
Method of contribution	As the blog owner is the author of the content, he or she is the main contributor. Permissions can be given to certain authors as well. Most contributions are limited to commenting on other people's posts.	Anyone participating is a contributor, however replies must focus on the original posting. Topics are generally moderated.	Only privileged members can contribute and/or edit.	Everyone has the ability to contribute by creating new articles, editing inaccurate content, or adding to existing content.

Wiki as a Valuable Tools

- Project collaboration, information sharing and managing content;
- Design collaboration;
- Organizing a community around a written project;
- Distributed intelligence gathering;
- A knowledge base or collaborative extranet;
- Fostering information flow within an organization;
- Helping distributed teams work together seamlessly and productively;
- Eliminating the one-webmaster syndrome of outdated intranet content.

Wikis: Enabling Effective Knowledge Sharing Across the Organization

- Being a simple and flexible repository for shared information and collaboration;
- Enabling your team to work more collaboratively;
- Turning static and outdated documents to live and dynamic ones;
- Facilitating the search and retrieval of documents;
- Encouraging people to share;
- Providing a structured approach.

ePSMG Pilot

Haris My talk My preferences My watchlist My contributions Log out

Page Discussion Read Edit View history Go Search

Enterprise Content & Knowledge Management (ECKM)

Navigation

Main page
Community portal
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Objectives [edit]

- To reduce knowledge gaps through learning from each other by the use of tools that capture, gather, store, analyse and share critical information and knowledge.
- To promote knowledge sharing culture and behaviour in JKR.
- To improve accessibility of valuable information and knowledge.

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Online Practical Site Management Guide (e-PSMG)

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Contents [hide]

1 Introduction
2 Mission
3 Expected Benefits
4 e-PSMG Information Framework

Introduction [edit]

E-PSMG is aimed at improving the quality of supervision in numerous quality-related problems and issues that surfaced in the delivery of our construction products had been brought to the attention of the management.

View Building Work WBS

View Road Work WBS

View Bridge Work WBS

View Environment, Safety and Health WBS

Mission [edit]

- To equip site supervisory team with knowledge and tools to deliver quality construction products by-
- Providing basic construction knowledge and tools that are accessible online 24 x 7, comprising but not limited to-
  - Specifications and Standards
  - Manuals and guidelines
  - Lessons Learned (Dos and Don'ts)
  - Best Practices
- Establishing an online discussion forum to be moderated by SMEs

page | discussion | view source | history

Building Work WBS

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- Help

search

Go | Search

toolbox
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1. **Soil Investigation**
   - Introduction of Soil Investigation
   - Type of ground investigation
   - Site Laboratory Test
2. **Site Clearing & Earthwork**
   - Site Clearing
   - Earthworks
3. **Work below Floor Level (Substructure)**
   - Foundation
     - Shallow Foundation
       - General Requirement
       - Testing For Shallow Foundation
         - JKR Probe Test
         - Plate Bearing Test
     - Deep Foundation

Clearing and Grubbing

Description

Clearing:-

Removal and disposal of everything

Grubbing:-

Removal and disposal of surface ve

Equipment / Method / R

- ROAD WORKS:-JKR/SPJ/1988
  - Section 2.1.1.1
  - Section 2.1.1.2
- BUILDING WORKS:-JKR20800
  - Section C2.1

PROCEDURE

1) A gradation test is performed on a sample of aggregate in a laboratory.
2) A typical sieve analysis involves a nested column of sieves with wire mesh cloth (screen).
3) See the separate Mesh (scale) page for details of sieve sizing.
4) A representative weighed sample is poured into the top sieve which has the largest screen openings.
5) Each lower sieve in the column has smaller openings than the one above.
6) At the base is a round pan, called the receiver.
7) The column is typically placed in a mechanical shaker.
8) The shaker shakes the column, usually for some fixed amount of time.
10) After the shaking is complete the material on each sieve is weighed.
11) The weight of the sample of each sieve is then divided by the total weight to give a percentage retair

The size of the average particles on each sieve then being analysis to get the cut-point or specific size properties of the aggregate and to see if it is appropriate for various civil engineering purposes such as foundations.

A suitable sieve size for the aggregate should be selected and placed in order of decreasing size, from nest of sieves to collect the aggregate that passes through the smallest. The entire nest is then agitate the sieves. After the aggregate reaches the pan, the amount of material retained in each sieve is then w

Sieves used for gradation test.

page | discussion | view source | history

Road Work WBS

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1) SURVEY WORKS & SETTING OUT

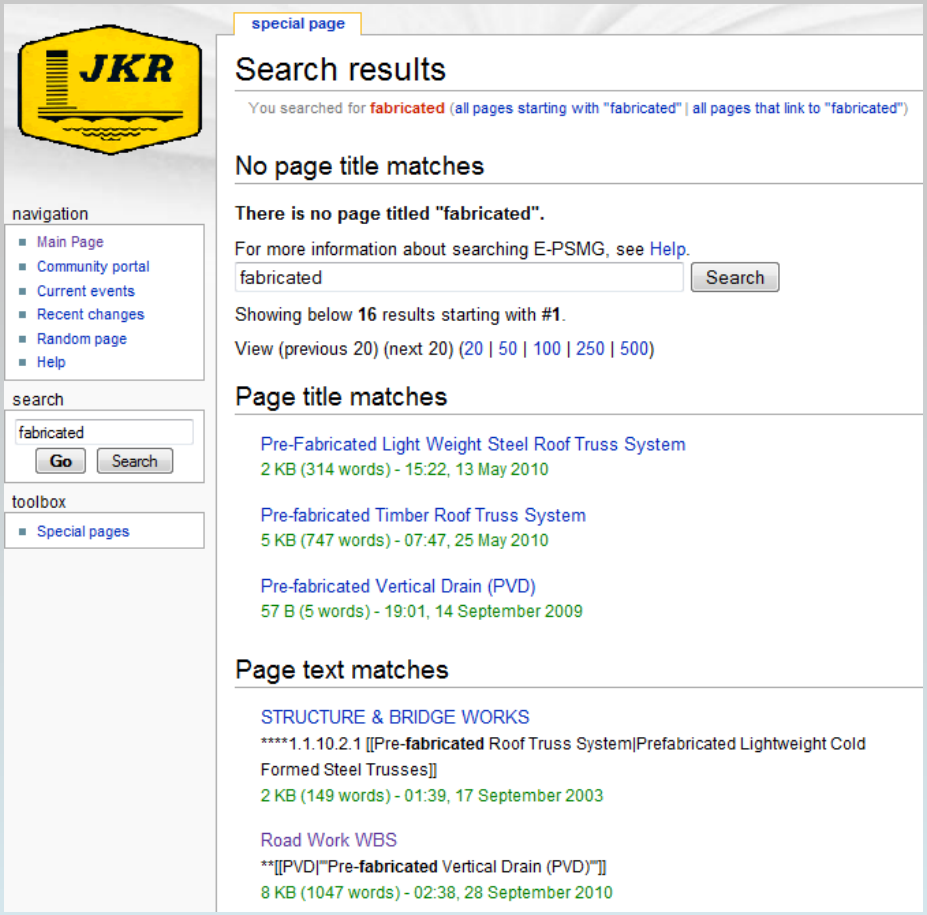
2) SOIL INVESTIGATION

- In-situ Test:-
  - Borehole
  - JKR Probe
  - Hand Auger
  - Trial Pit
  - Cone Penetration Test (Piezocone)
  - Vane Shear Test
  - Plate Bearing Test
- Site Laboratory Test:-
  - Sieve Analysis
  - Moisture Content
  - Modified Proctor Test

Hand Auger

The hand auger is very simple hand tool used for drilling into soft soils down to a max different steel augers (drill bits) can be attached at the bottom end of the drill rods. Tl emptied. A different auger can be used for each formation (soil) type. Hand augering

Above the water table, the borehole generally stays open without the need for suppor can be emptied either with an auger or a bailer. The permanent well casing is then in support for the borehole as the permanent casing (direct installation), although in tha silt and soft clay


special page
Search results
You searched for fabricated (all pages starting with "fabricated" | all pages that link to "fabricated")
No page title matches
There is no page titled "fabricated".
For more information about searching E-PSMG, see Help.
fabricated
Search
Showing below 16 results starting with #1.
View (previous 20) (next 20) (20 | 50 | 100 | 250 | 500)
Page title matches
Pre-Fabricated Light Weight Steel Roof Truss System
2 KB (314 words) - 15:22, 13 May 2010
Pre-fabricated Timber Roof Truss System
5 KB (747 words) - 07:47, 25 May 2010
Pre-fabricated Vertical Drain (PVD)
57 B (5 words) - 19:01, 14 September 2009
Page text matches
STRUCTURE & BRIDGE WORKS
****1.1.10.2.1 [[Pre-fabricated Roof Truss System|Prefabricated Lightweight Cold Formed Steel Trusses]]
2 KB (149 words) - 01:39, 17 September 2003
Road Work WBS
**[[PVD|"Pre-fabricated Vertical Drain (PVD)"]]
8 KB (1047 words) - 02:38, 28 September 2010
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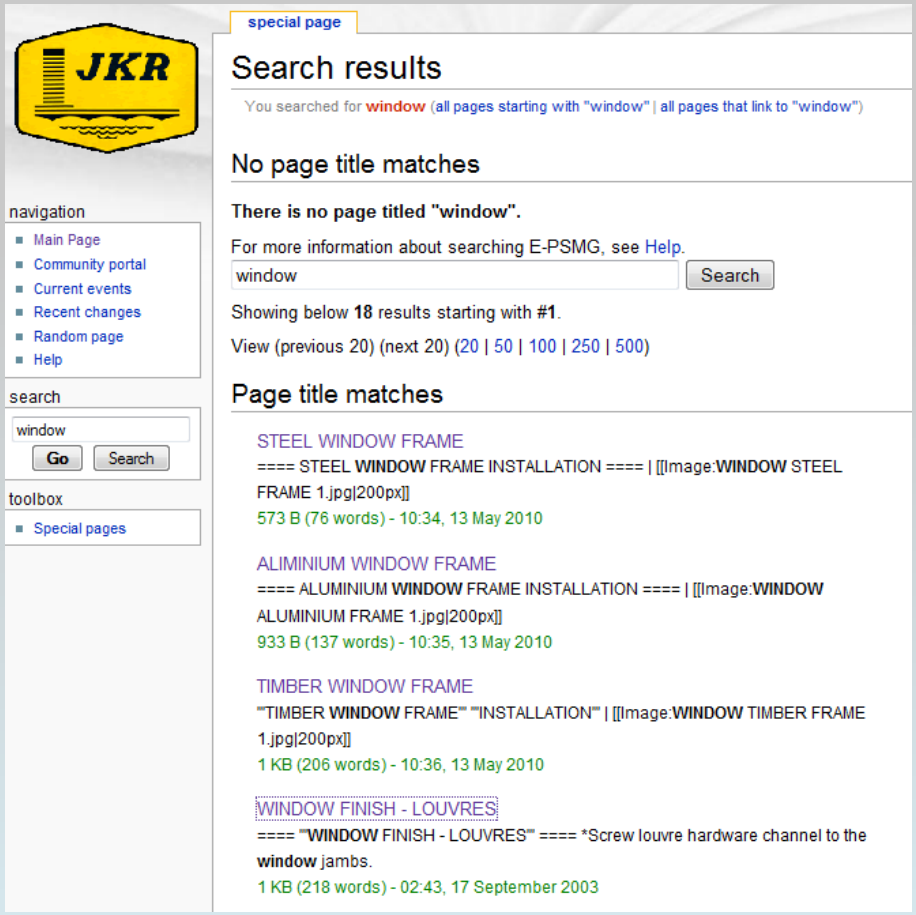
special page
Search results
You searched for window (all pages starting with "window" | all pages that link to "window")
No page title matches
There is no page titled "window".
For more information about searching E-PSMG, see Help.
window
Search
Showing below 18 results starting with #1.
View (previous 20) (next 20) (20 | 50 | 100 | 250 | 500)
Page title matches
STEEL WINDOW FRAME
==== STEEL WINDOW FRAME INSTALLATION ==== | [[Image:WINDOW STEEL FRAME 1.jpg|200px]]
573 B (76 words) - 10:34, 13 May 2010
ALIMINIUM WINDOW FRAME
==== ALUMINIUM WINDOW FRAME INSTALLATION ==== | [[Image:WINDOW ALUMINIUM FRAME 1.jpg|200px]]
933 B (137 words) - 10:35, 13 May 2010
TIMBER WINDOW FRAME
"'TIMBER WINDOW FRAME'" "'INSTALLATION'" | [[Image:WINDOW TIMBER FRAME 1.jpg|200px]]
1 KB (206 words) - 10:36, 13 May 2010
WINDOW FINISH - LOUVRES
==== "'WINDOW FINISH - LOUVRES'" ==== *Screw louvre hardware channel to the window jambs.
1 KB (218 words) - 02:43, 17 September 2003
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Statistics

Statistics

Page statistics	
Content pages	376
Pages (All pages in the wiki, including talk pages, redirects, etc.)	2,741
Uploaded files	2,148
Edit statistics	
Page edits since E-PSMG was set up	9,175
Average edits per page	3.35
User statistics	
Registered users	99
Active users (list of members) (Users who have performed an action in the last 30 days)	1
Bots (list of members)	0
Administrators (list of members)	5
Bureaucrats (list of members)	4
manager (list of members)	0

View statistics	
Views total (Views to non-existing pages and special pages are not included)	83,944
Views per edit	9.15
Most viewed pages	
Main Page	12,791
E-PSMG Information Framework	7,810
Building Work WBS	5,520
Road Work WBS	2,695
Environment, Safety and Health WBS	2,385
Earthworks	1,380
Soil Investigation	1,299
Bridge Work WBS	900
Air Conditioning System (ME)	662
Kuari	657

What we did right

- Get the right person (SME Expert)
- Auditing existing knowledge (Multi disciplinary)
- Continuous multi-session Expert Workshop
- Easy editing article interface (WYSYWIG)
- Simplified main page view tailored to layman audience
- Information classification with multi-facet approach and taxonomy
- Incorporate JKR competencies finding
- Junk information cleansing
- Single-Sign-On with JKR

ePSMG – Lessons Learned

- Full commitment on developing the knowledge content;
- A centralised KM office to monitor and manage the knowledge content;
- Integration of other JKR applications to ensure all information are automatically updated;
- A successful starting point for the development of “Full JKR Wiki” accommodates and integrates with other related information.

Sustaining Wiki

- Make sure it is relevant and fresh
  - Page quality rating by user.
  - Publication on printed material.
- The leaders should be identified and encouraged;
- The leaders of the Wikis should also be editors, spotting mistakes and changing them automatically;
- Show who is the content provider;
- Provide incentives to contributors and users in the form of recognition or rewards;

Thank You!