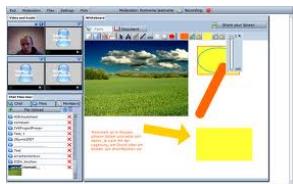


# Install OpenMeetings CentOS 5.5



OpenMeetings ကြည်းသွေး User အတွက် Active Directory ပြည့်စုံမှုပေါင်း ဖြစ်ပါသည်  
<http://noc.rmutl.ac.th/main/?p=838> ပြည့်စုံမှု

OpenMeetings ကြည်းသွေး အသိပေါ်မှုပေါင်း ပြည့်စုံမှုများ ပြည့်စုံမှုပေါ်မှု (အသိပေါ်မှုပေါ်မှု) ပြည့်စုံမှုများ ပြည့်စုံမှုများ မှ Mod အသိပေါ်မှုပေါ်မှုများ Moodle အသိပေါ်မှုပေါ်မှုများ ပြည့်စုံမှုများ ပြည့်စုံမှုများ Step by Step ပြည့်စုံမှုများ

ပြည့်စုံမှုများ ပြည့်စုံမှုများ

1. CentOS 5.5 amd 64 ပြည့်စုံမှုပေါ်မှုများ Server ပြည့်စုံမှုများ
2. [openmeetings\\_1\\_6\\_rc1\\_r3621.zip](#) ပြည့်စုံမှု 82.06 MB
3. Mod အသိပေါ် Moodle ပြည့်စုံမှုများ [openmeetings\\_moodle\\_v\\_1\\_0.zip](#) ပြည့်စုံမှု 86.07 KB

Welcome to CentOS



1.1 安装 MySQL 服务 mysql-server 完成 yum 安装

```
[root@opt src]#yum -y install mysql-server
```

```
[root@opt src]# service mysqld start
```

```
[root@opt src]# mysqladmin -u root password 123456 <--> 重新输入  
123456
```

```
[root@opt src]# vi /etc/my.cnf
```

```
[mysqld]
```

```
datadir=/var/lib/mysql
```

```
socket=/var/lib/mysql/mysql.sock
```

```
user=mysql
```

```
# Default to using old password format for compatibility with  
mysql 3.x
```

```
# clients (those using the mysqlclient10 compatibility  
package).
```

```
old_passwords=1
```

```
# Disabling symbolic-links is recommended to prevent assorted
```

```
security risks;
# to do so, uncomment this line:
# symbolic-links=0
default-character-set=utf8 < :mysql>
character-set-server=utf8

[mysqld_safe]
log-error=/var/log/mysqld.log
pid-file=/var/run/mysqld/mysqld.pid
~

~
"/etc/my.cnf" 17L, 494C written
[root@opt src]# service mysqld restart
Stopping MySQL: [
OK ]
Starting MySQL: [
OK ]
[root@opt src]#

[root@opt src]# mysql -u root -p
Enter password:xxxxxx
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.0.77 Source distribution

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> create database openmeetings; < :mysql>
      openmeetings
Query OK, 1 row affected (0.00 sec)

mysql> show databases;
+-----+
| Database           |
+-----+
| information_schema |
| mysql              |

```

```
| openmeetings      |
| test            |
+-----+
4 rows in set (0.00 sec)
```

```
mysql> exit
```

```
Bye
```

```
[root@opt src]#
```

2. 安装 Java  
openmeeting 需要 Java

```
[root@opt src]# yum -y install java
```

3. 安装 rpmforge-release  
openmeeting 需要

```
root@opt          src]# wget
http://packages.sw.be/rpmforge-release/rpmforge-release-0.5.2
-2.el5.rf.x86_64.rpm
```

```
[root@opt      src]# rpm      -Uvh      rpmforge-
release-0.5.2-2.el5.rf.x86_64.rpm
```

```
warning: rpmforge-release-0.5.2-2.el5.rf.x86_64.rpm: Header
V3 DSA signature: NOKEY, key ID 6b8d79e6
```

```
Preparing...
```

```
##### [100%]
```

```
1:rpmforge-release
```

```
##### [100%]
```

```
[root@opt src]# yum -y install freetype freetype-devel
fontconfig fontconfig-devel java-1.6.0-openjdk-devel libtiff
libtiff-devel libjpeg-devel libjpeg giflib giflib-devel
libpaper libpaper-devel xml-commons-apis libpng libpng-devel
libxml2 libxml2-devel fftw3 fftw3-devel cairo cairo-devel
flac flac-devel wavpack wavpack-devel libsndfile libsndfile-
-devel libmad libmad-devel yasm yasm gcc gcc-c++
```

```
[root@opt src]# yum -y groupinstall 'Office/Productivity'
```

```
[root@opt src]#yum -y install openoffice.org-headless
```

#### 4. CentOS 安装 openoffice.org-headless

```
[root@opt src]# find / -name 'soffice' <br/>Open Office<br/>/usr/lib64/openoffice.org3/program/soffice<br/>/usr/bin/soffice
```

```
[root@opt src]# vi /etc/rc.local
```

```
"/usr/lib64/openoffice.org3/program/soffice      "-<br/>accept=socket,host=localhost,port=8100;urp;StarOffice.Service<br/>Manager" -nologo -headless -nofirststartwizard &
```

#### 5. CentOS 安装 ghostscript , ImageMagick , sox

```
[root@opt src]# rpm -qa|grep ghostscript <br/>ghostscript 3 (ghostscript 3.0) <br/>yum remove ghostscript
```

```
[root@opt src]# yum -y remove ghostscript
```

6. 安装相关依赖包（使用 yum 安装，命令： yum -y install ghostscript lame swf-tools ImageMagick ffmpeg sox ） \*\*注意安装完成后，将相关包放入 /usr/src 目录下\*\*

```
cd /usr/src
[root@opt          src]#           wget           wget
http://ghostscript.com/releases/ghostscript-9.01.tar.gz
[root@opt          src]#           wget
http://sourceforge.net/projects/lame/files/lame/3.98.4/lame-3
.98.4.tar.gz/download?use_mirror=cdnetworks-kr-2#
[root@opt          src]#           wget
http://www.swf-tools.org/swf-tools-0.9.1.tar.gz
[root@opt          src]#           wget
ftp://ftp.imagemagick.org/pub/ImageMagick/ImageMagick-6.6.7-9
.tar.gz
[root@opt          src]#           wget
http://downloads.sourceforge.net/project/sox/sox/14.3.1/sox-1
4.3.1.tar.gz?r=http%3A%2F%2Fsourceforge.net%2Fprojects%2Fsox%
2Ffiles%2Fsox%2F14.3.1%2F&ts=1298364869&use_mirror=cdnetworks
-kr-1
[root@opt          src]#           wget
http://www.ffmpeg.org/releases/ffmpeg-0.6.1.tar.gz

[root@opt src]# cd /usr/src
[root@opt src]# tar xvfz ghostscript-9.01.tar.gz
[root@opt ghostscript-9.01]# ./configure --prefix=/usr
[root@opt ghostscript-9.01]# mkdir obj
[root@opt ghostscript-9.01]# mkdir bin
[root@opt ghostscript-9.01]# make all
[root@opt ghostscript-9.01]# make install

[root@opt ghostscript-9.01]# cd /usr/src
[root@opt lame-3.98.4]# tar xvfz lame-3.98.4.tar.gz
[root@opt lame-3.98.4]# cd lame-3.98.4
[root@opt lame-3.98.4]# ./configure --prefix=/usr
[root@opt lame-3.98.4]# make all
[root@opt lame-3.98.4]# make install
```

```
[root@opt lame-3.98.4]# cd /usr/src/
[root@opt src]# tar xvfz swf-tools-0.9.1.tar.gz
[root@opt src]# cd swf-tools-0.9.1
[root@opt src]# make all
[root@opt src]# make install

[root@opt src]# cd /usr/src
[root@opt src]# tar xvfz ImageMagick-6.6.7-9.tar.gz
[root@opt src]# cd ImageMagick-6.6.7-9
[root@opt ImageMagick-6.6.7-9]# ./configure --prefix=/usr
[root@opt ImageMagick-6.6.7-9]# make all
[root@opt ImageMagick-6.6.7-9]# make install

[root@opt ImageMagick-6.6.7-9]# cd /usr/src/
[root@opt src]# tar xvfz ffmpeg-0.6.1.tar.gz
[root@opt src]# cd ffmpeg-0.6.1
[root@opt ffmpeg-0.6.1]# ./configure --enable-libmp3lame
--enable-postproc --enable-gpl --enable-pthreads --enable-
avfilter --prefix=/usr
[root@opt ffmpeg-0.6.1]# make all
[root@opt ffmpeg-0.6.1]# make install

[root@opt ffmpeg-0.6.1]# cd /usr/src/
[root@opt src]# tar xvfz sox-14.3.1.tar.gz
[root@opt src]# cd sox-14.3.1
[root@opt sox-14.3.1]# ./configure --prefix=/usr
[root@opt sox-14.3.1]# make all
[root@opt sox-14.3.1]# make install
```

7.0 下载安装包 openmeetings\_1\_6\_rc1\_r3621.zip 安装  
openmeetings\_moodle\_v\_1\_0.zip 安装到 /usr/src

安装 openmeetings\_moodle\_v\_1\_0.zip wget 安装目录 安装

```
[root@opt src]#cd /usr/src
```

```
[root@opt src]#wget
http://openmeetings.googlecode.com/files/openmeetings_1_6_rc1
```

\_r3621.zip

```
[root@opt src]#unzip openmeetings_1_6_rc1_r3621.zip
```

```
[root@opt src]# ls  
debug  kernels  openmeetings_1_6_rc1_r3621.zip      red5
```

9. 会议 openmeeting 会议

```
[root@opt src]# cd /usr/src/red5/webapps/openmeetings/conf
```

```
[root@opt conf]# mv hibernate.cfg.xml hibernate.cfg.xml.old  
[root@opt conf]# cp mysql_hibernate.cfg.xml hibernate.cfg.xml
```

10.  hibernate 

```
[root@opt conf]# vi hibernate.cfg.xml
```

```
<!-- User / Password -->
<property name="connection.username">root</property>
<property name="connection.password">123456</property>

<!-- Database Settings -->
<property
name="connection.driver_class">com.mysql.jdbc.Driver</property>
<!-- for performance reasons changed to MyISAM from
org.hibernate.dialect.MySQLInnoDBDialect -->
<property
name="dialect">org.hibernate.dialect.MySQLMyISAMDialect</property>
```

```
<property  
name="connection.url">jdbc:mysql://localhost/openmeetings?autoReconnect=true&useUnicode=true&createDatabaseIfNotExist=true&characterEncoding=utf-8</property>
```

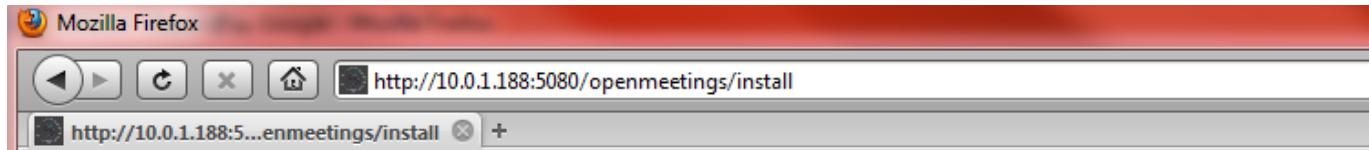
11. မြန်မာစာတင်ဆက်ရန် red5 မြန်မာစာတင်ဆက်ရန်  
မြန်မာစာ မြန်မာစာတင်ဆက်ရန် mysqld မြန်မာစာတင်ဆက်ရန်  
မြန်မာစာတင်ဆက်ရန် ntsysv

```
[root@opt]# cd /etc/rc.d  
[root@opt rc.d]# vi rc.red5  
#!/bin/sh  
#  
export RED5_HOME=/usr/src/red5/  
/usr/src/red5/red5.sh &  
  
[root@opt rc.d]# vi rc.local  
/etc/rc.d/rc.red5  
/sbin/iptables -F
```

```
[root@opt rc.d]# chmod 755 rc.red5  
  
[root@opt rc.d]# chkconfig mysqld on      <- မြန်မာစာတင်ဆက်ရန်  
ntsysv မြန်မာစာတင်ဆက်ရန် mysqld မြန်မာစာတင်ဆက်ရန်  
[root@opt rc.d]#/etc/rc.d/rc.red5 <- မြန်မာစာတင်ဆက်ရန်  
မြန်မာစာ မြန်မာစာတင်ဆက်ရန် မြန်မာစာတင်ဆက်ရန် မြန်မာစာတင်ဆက်ရန်
```

12. မြန်မာစာတင်ဆက်ရန်

<http://ipaddress:5080/openmeetings/install>



# Openmeetings - Installation

Necessary steps which should have already been done:

1. Install and configure a database
2. Edit **hibernate.cfg.xml** to fit your database authentication values.

hibernate.cfg.xml can be found in **\$RED5-HOME/webapps/openmeetings/conf/**.

You need to alter:

```
<!-- User / Password -->
<property name="connection.username">postgres</property>
<property name="connection.password">*****</property>

<!-- Database Settings -->
<property name="connection.driver_class">org.postgresql.Driver</property>
<property name="dialect">org.hibernate.dialect.PostgreSQLDialect</property>
<property name="connection.url">jdbc:postgresql://localhost/openmeetings</property>
```

you should **restart red5** after you did change database - connection values

3. Install openoffice-service running on port 8100 in headless mode ([OpenOfficeConverter](#))
4. Install imagemagick + ghostscript +swf-tools and make it available in your Classpath
  - o Linux distros: Imagemagick can be installed with your package system (apt-get,yast,..)
  - o Mac OSX: Imagemagick can be installed from the [imagemagick projectpage](#) or using fink + apt-get
  - o Windows: Follow the instructions on the [imagemagick projectpage](#)

If these steps have been done you can follow with step 1 of installation:

## Continue with STEP 1

\_\_\_\_\_ user & password \_\_\_\_\_  
\_\_\_\_\_ database \_\_\_\_\_ hibernate.conf.xml \_\_\_\_\_  
\_\_\_\_\_ Continue with STEP 1  
\_\_\_\_\_

Mozilla Firefox

http://10.0.1.188:5080/openmeetings/install?command=step1

http://10.0.1.188:...all?command=step1 +

## Openmeetings - Installation

**Userdata**

Username	teppap
Userpass	123456
EMail	teppap@rmutl.ac.th
User Time Zone	Etc/GMT+7 (Indochina Time, Krasnoyarsk, Thailand, Vietnam, Jakarta)

**Organisation(Domains)**

Name	rmutl
------	-------

សារព័ត៌មានអ្នកប្រើប្រាស់ សារព័ត៌មានអ្នកប្រើប្រាស់  
អ្នកប្រើប្រាស់ (អ្នកប្រើប្រាស់) សារព័ត៌មានអ្នកប្រើប្រាស់ សារព័ត៌មានអ្នកប្រើប្រាស់  
អ្នកប្រើប្រាស់

សារព័ត៌មានអ្នកប្រើប្រាស់ mail server សារព័ត៌មានអ្នកប្រើប្រាស់  
អ្នកប្រើប្រាស់ e-mail សារព័ត៌មានអ្នកប្រើប្រាស់អ្នកប្រើប្រាស់ សារព័ត៌មានអ្នកប្រើប្រាស់  
អ្នកប្រើប្រាស់ សារព័ត៌មានអ្នកប្រើប្រាស់ សារព័ត៌មានអ្នកប្រើប្រាស់ e-mail  
អ្នកប្រើប្រាស់ សារព័ត៌មានអ្នកប្រើប្រាស់ សារព័ត៌មានអ្នកប្រើប្រាស់

Mozilla Firefox

http://10.0.1.188:5080/openmeetings/install?command=step1

http://10.0.1.188:...all?command=step1

## Configuration

Allow self-registering (allow_frontend_register)	<input type="button" value="Yes"/>
Send Email to new registered Users (sendEmailAtRegister)	<input type="button" value="Yes"/>
New Users need to verify their EMail (sendEmailWithVerificationCode)	<input type="button" value="Yes"/>
Mail-Referer (system_email_addr)	noreply@rmutl.ac.th
SMTP-Server (smtp_server)	mail.rmutl.ac.th
SMTP-Server Port(default Smtp-Server Port is 25) (smtp_port)	25
SMTP-Username (email_userpass)	noreply
SMTP-Userpass (email_userpass)	xxxxxxxx
Enable TLS in Mail Server Auth	<input type="button" value="No"/>
Default Language	thai
Default Font for Export [default_export_font]	TimesNewRoman

ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ်  
ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ်  
ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ်  
find ဗုဒ္ဓဓရာဇ် ဗုဒ္ဓဓရာဇ်

```
[root@opt usr]# find / -name 'convert'  
## ဗုဒ္ဓဓရာဇ် ImageMagick  
/usr/bin/convert  
[root@opt usr]# find / -name 'pdf2swf'  
/usr/bin/pdf2swf  
/usr/src/swf-tools-0.9.1/src/pdf2swf
```

```
[root@opt usr]# find / -name 'sox'  
/usr/lib/sox  
/usr/bin/sox  
/usr/src/sox-14.3.1/src/.libs/sox  
/usr/src/sox-14.3.1/src/sox  
[root@opt usr]# find / -name 'ffmpeg'  
/usr/share/ffmpeg  
/usr/bin/ffmpeg  
/usr/src/ffmpeg-0.6.1/ffmpeg
```

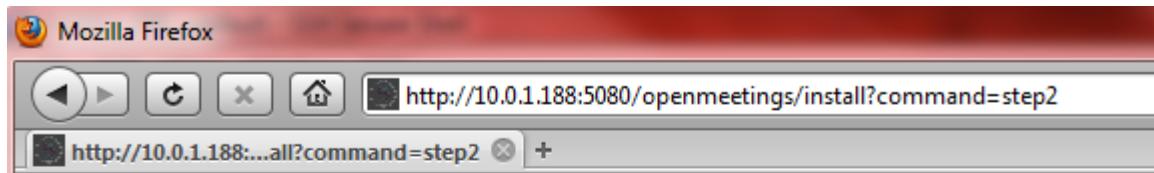
.....  
..... (.....  
.....)

The screenshot shows a Mozilla Firefox browser window with the URL `http://10.0.1.188:5080/openmeetings/install?command=step1`. The page is titled 'Converters'. It contains several input fields for specifying paths to external tools:

- SWFTools Path:** /usr/bin/
- see also:** [ConvertersInstallation](#)
- ImageMagick Path:** /usr/bin/
- see also:** [ConvertersInstallation](#)
- FFMPEG Path:** /usr/bin/
- see also:** [ConvertersInstallation](#)
- SoX Path:** /usr/bin/
- see also:** [ConvertersInstallation](#)
- Crypt Type:** org.openmeetings.utils.crypt.MD5
- Crypt Class:** org.openmeetings.utils.crypt.MD5CryptImplementation
- see also:** [org.openmeetings.utils.crypt.MD5CryptImplementation](#)

You can use this default crypt type which is equal to PHP-MD5 function or BSD-Style encryption by using: `org.openmeetings.utils.crypt.MD5CryptImplementation`

Openmeetings - Installation Complete! Install ဆုံးဖြတ်ခဲ့ပါသည်။



If your Red5-Server runs on a different Port or on a different domain  
[alter the config values of the client](#)

Openmeetings - Installation Complete! Enter the Application ဆုံးဖြတ်ခဲ့ပါသည်။ login အသေးစိတ်ပါ၏

**ສືບຄວົນ**

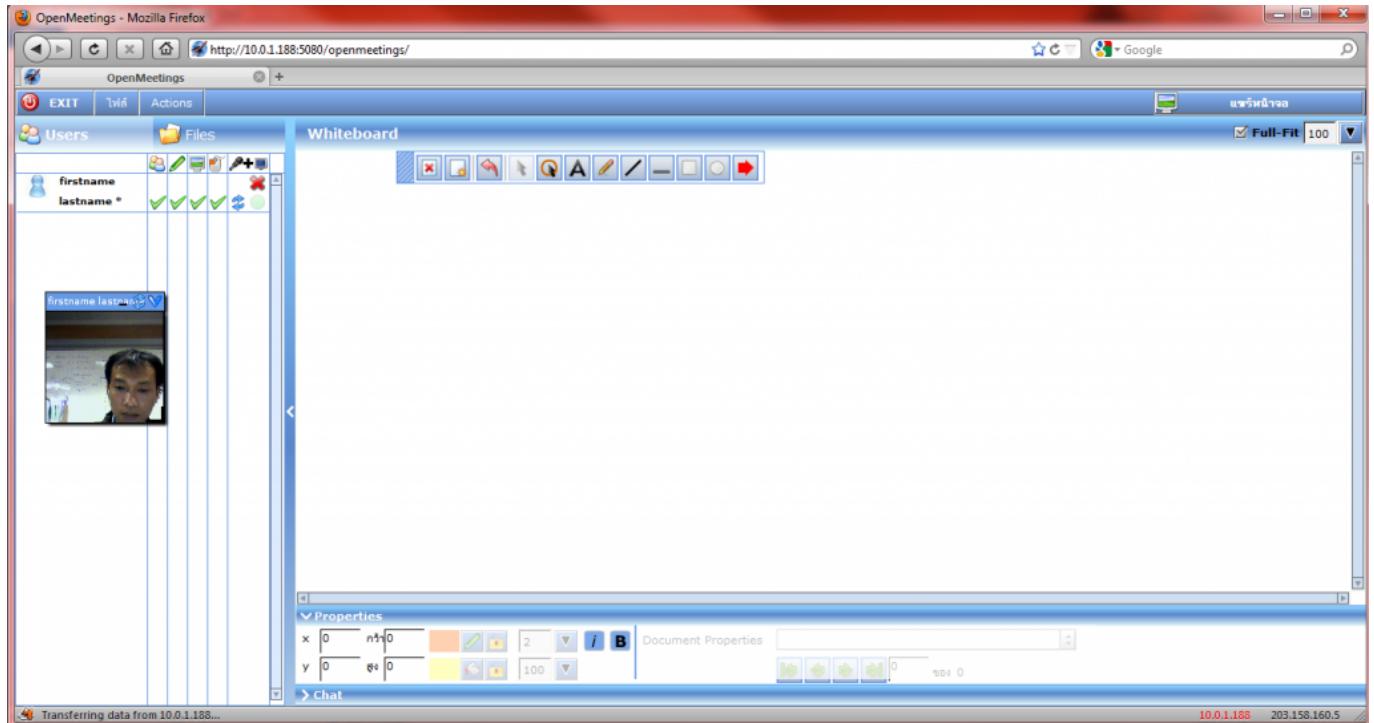
ຝ່າຍ່າ:	teppap
รหัสຜານ:	*****
ພາກາ	thai
Color-Style	lightsteelblue
Quality	best ~ 16KB upload
Domain	local DB [internal]
<input type="checkbox"/> ຈໍາຊື້ສືບຄວົນ <input type="button" value="ໄປໄດ້ເປັນສາມາຊັກ?"/> <input type="button" value="ລົງທຶນເຫົາໄສ"/>	
<a href="#">ຄືນຮັສຜານ</a> <a href="#">visit OpenMeetings</a>	

ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່ ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່ ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່  
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 ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່

The screenshot shows the OpenMeetings web interface. On the left, there is a 'How to Conference' guide with four steps: 1. Press Start, 2. Choose Room, 3. Check Setup, and 4. Start Conference. Step 4 has two options: START and Plan a Meeting. Below this, there is a note about OpenMeetings being a Web Conferencing Platform and links to its documentation. On the right, there is a user profile for 'firstname lastname' with a blue user icon, a 'Logout' button, and a note about the user's calendar and group membership. The bottom of the screen shows a toolbar with icons for file operations.

ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່ ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່ ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່  
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 “ເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່” ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່ ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່  
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ເຖິງເວັບໄຕທີ່ມີຄວາມສຳເນົາໃຫຍ່ Room ໂພນ



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e-mail ດ້ວຍເວັບໄຊ ອີຣີ [teppap@rmutl.ac.th](mailto:teppap@rmutl.ac.th) ແລະ  
[arit@rmutl.ac.th](mailto:arit@rmutl.ac.th)

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