Appendix E
User Manual
Home Page

This is the Home Page of this E-TD System. In this page, you will see navigation bar (main menu) on the left hand side of the page. A summary of the menu bar and its functions are as follows:

- **Home** – Redirect back to home page.
- **Member Login** – Login page for registered members.
- **Guest Login** – Login page for anyone who is not registered users.
- **New Account Request** – Information Page for students to request new account.
- **Submission Guidelines** – Instruction Page for students in preparing their E-TDs.
- **Online Help** – Online Help Page which will help users in using this E-TD system.
- **About E-TD** – Information Page which will tell users about this system.

Please refer to *Figure E1.*

![E-TD Theses and Dissertations System](image)

*Figure E1: Home Page*
User Manual for All Registered Members

Member Login Page

To use this system, you are required to login via this page if you are a registered user (admin or supervisor or clerical staff or student). In order to login into the system, you are required to enter User Name and Password. Then, click the Login button. If you have entered wrong User Name or Password, the system will notify you that such errors are made. See the Error Message in Figure E3. Otherwise, the system will authenticate and direct you to the page shown in Figure E4. There, you can click Enter button to enter into the system or click Logout button to logout from this system.

Figure E2: Member Login Page
Figure E3: Error Message

Figure E4: Enter/Logout Page
Main Page for Admin

This is the Main Page for E-TD admin. The main functions for E-TD admin are adding ontology to the system and registering new users. Besides, the admin can browse or search E-TDs, can change password, can view ontology and can view member information. Additionally, the submission guidelines and online help are also available to the admin. Please refer to Figure E5.

Figure E5: Main Page for Admin
Add New Term

The admin has to key in new term and it’s definition on this page and click **Save** button. The term will be saved and successful message will be shown to the admin. Please refer to *Figure E6* and *Figure E7*.

*Figure E6: Add New Term*

*Figure E7: Successful Message (for term)*
Add New Synonym

The admin has to key in new synonyms on this page and click Save button. The synonyms will be saved and successful message will be displayed to the admin. Please refer to Figure E8 and Figure E9.

Figure E8: Add New Synonym

Figure E9: Successful Message (for synonym)
Add is-a Relationship

The admin has to key in new ontology on this page and click Save button. The ontology will be saved and successful message will be displayed to the admin. Please refer to Figure E10 and Figure E11.

Figure E10: Add is-a Relationship

Figure E11: Successful Message (for ontology)
Registering New User Page

This is the new user registration page where the admin needs to enter the **User Name** and **Password**, choose **User Type**, enter **Address**, **Email** and **Phone No**. Then, click **Register** button. The system will save the user details to the database and the Successful Message and information of the **User Name** and **Password** of the registered user will be given. Please refer to **Figure E12** and **Figure E13**.

![New User Registration Page](image)

**Figure E12: New User Registration Page**
Registration Successful!!

Please note down the **User Name** and **Password** before you close this window.

**User Name:** Shwe Yee Than  
**Password:** syt

*Figure E13: Registration Successful Message*
Main Page for Clerical Staff

This is the Main Page for Clerical Staff. The main functions for Clerical Staff are uploading thesis for the students, inserting metadata and changing access constraint of E-TDs. Additionally, he/she can browse or search E-TDs, can change password, can view ontology and can view member information. The submission guidelines and online help are also available to the clerical staff. Please refer to Figure E14.

Figure E14: Main Page for Clerical Staff
Upload Thesis Page

This is the upload thesis page of this E-TD system. The clerical staff needs to enter the *Thesis Title*, choose the *Data Type* of the thesis file and click **Browse** button to choose the file to upload. Then, click **Upload** button and the done message will be given. Please refer to *Figure E15* and *Figure E16*.

![Upload Thesis Page](image)

*Figure E15: Upload Thesis Page*

![Message after uploading a thesis file](image)

*Figure E16: Message after uploading a thesis file*
Insert Metadata Page

This is the Insert Metadata Page for the clerical staff to enter the metadata of the uploaded thesis files. There are 14 metadata elements on this page. The clerical staff needs to enter all the metadata elements except Title, Rights and Publisher. These fields are automatically filled by the system. After entering all the other metadata fields, click Save button to save all these metadata. Please refer to Figure E17.

Figure E17: Insert Metadata Page
E-TD Authorization Page (Clerical Staff)

The clerical staff has to change the Access Constraint of the thesis file on this page. He/She needs to give the “all” access to etdadmin and supervisors/lecturers. To do so, select the User Name (i.e., etdadmin@fcsitdomain or lecturer@fcsitdomain) and choose the “all” in Access Constraints. Then, click **Authorize** button. Please refer to Figure E18.

![E-TD Authorization Page (for clerical staff)](image)

**Figure E18: E-TD Authorization Page (for clerical staff)**
Main Page for Supervisor

This is the main page for the Supervisor. He/She can also browse or search E-TDs, change password, view member information and view ontology. The submission guidelines and online help are also available to them. Please refer to Figure E19.

Figure E19: Main Page for Supervisor
The main function of the supervisor is to change the access constraint of E-TDs whether to make it public or not. When the access constraint of a thesis file is changed to “read” access for all the registered members (i.e., fcsitdomain@groups), all the registered members can read the thesis online or download it from the system. Please refer to Figure E20.

Figure E20: E-TD Authorization Page (for supervisor)
Main Page for Students

This is the main page for students who can browse or search E-TDs, view the submission guidelines, change password, view member information and use online help. Please refer to Figure E21

Figure E21: Main Page for Student
User Manual for All Registered Members

Viewing Member Information Page

If the user is the admin, he/she can view all the users’ information or his/her own information. If the user is a member other than admin, he/she can view only his/her own information. Please refer to Figure E22 and Figure E23.

Figure E22: All Member Information Page
Viewing Ontology Page

This page is to retrieve and show the ontology of software testing stored in the database. Please refer to Figure E24.
Changing Password Page

Any member can change password on this page. Enter User Name, Old Password, New Password and New Password Again and click Change Password button. The system will change the password and display the successful message to the user. Please refer to Figure E25 and Figure E26.

Figure E25: Change Password

Password Changed Successfully

Figure E26: Successful Message
User Manual for Guest

Guest Login Page

If you are not a registered user, you can login via this guest login page. This page is especially intended for the world wide users who are not staffs or students of FCSIT. Guest users have to use “guest” in both user name and password to login. Please refer to Figure E27.

Figure E27: Guest Login Page
Main Page for Guest

This is the Main Page for guest who can browse or search E-TDs. Guests users can see the metadata and can read abstract of all the E-TD in this system. But, they are not allowed to view or download the body of the E-TDs in the repository. Please refer to Figure E28.

![Figure E28: Main Page for Guest](image)
Browsing Theses Page

Users can browse E-TDs by Language or Program or Year. If users want to browse all the E-TDs in system, click Browse All button. Please see Figure E29. In this example, E-TDs are browsed by Language and the query given is English. Therefore, all the E-TDs written in English will be retrieved and listed in the result. Please refer to Figure E30.

Figure E29: Browsing Theses Page
<table>
<thead>
<tr>
<th>Language</th>
<th>Function</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Choose Action –</td>
<td>First home Goh Siew Ping: A Case Tool for Software Project Management Plan</td>
</tr>
<tr>
<td>English</td>
<td>Choose Action –</td>
<td>First home Ong Chin Yan: A Case Tool for Software Project Management Plan</td>
</tr>
<tr>
<td>English</td>
<td>Choose Action –</td>
<td>First home Shi Yue Tian: A Case Tool for Software Project Management Plan</td>
</tr>
<tr>
<td>English</td>
<td>Choose Action –</td>
<td>First home Shi Yue Tian: A Case Tool for Software Project Management Plan</td>
</tr>
<tr>
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<td>First home Shi Yue Tian: A Case Tool for Software Project Management Plan</td>
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<tr>
<td>English</td>
<td>Choose Action –</td>
<td>First home Shi Yue Tian: A Case Tool for Software Project Management Plan</td>
</tr>
<tr>
<td>English</td>
<td>Choose Action –</td>
<td>First home Shi Yue Tian: A Case Tool for Software Project Management Plan</td>
</tr>
</tbody>
</table>

**Figure E30: Result of Browsing E-TDs**
Theses Searching Page (Simple Searching)

On this page, users can search E-TDs by Title, Author, Program, Year, Language, Abstract and Keyword. These values can be chosen from the drop down list (see the red circle in Figure E31) and key in the query into the text box. Once the result is retrieved, the system will display the result in a table as in Figure E32. To read the E-TD online, click the blue link or click view button shown in a red circle in Figure E32.

If you are a member, you will be able to view the thesis file online as in Figure E33.

You can also click the download button to download the file if you are an authorized user. Please refer to blue circle in Figure E32. If you are authorized user, the dialog box will be pop up to download the file. Please refer to Figure E34.

If you are a guest user and try to view the body of the thesis by click the view button, you will see a page as in Figure E35. Likewise, if you are a guest user and try to download E-TD from this system, you will be displayed a page as in Figure E36.
**Figure E32: Result of Simple Searching**

<table>
<thead>
<tr>
<th>Keyword</th>
<th>Function</th>
<th>Title</th>
<th>Uploaded Time</th>
<th>Size</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>black-box testing</td>
<td>Choose Action</td>
<td>thesis file download thesis 2013</td>
<td>04/01/2013</td>
<td>500KB</td>
<td>PDF</td>
</tr>
</tbody>
</table>

**Figure E33: Viewing Thesis File Online**

```
This is so that the operating system provides enough file handles, memory semaphores and shared memory segments to allow Oracle itself to function adequately. Make sure there's a carriage return at the end of the last line.

Then run the following command to apply the new value edited just now:

# chinsysctl -p

Installing Oracle Software:

In the folder where the Oracle installation file located, unpack the installation file downloaded. In my case it is 10201_database_10.3.2.zip, so issue the following...
```
Figure E34: Dialog Box to Download the Thesis File

Figure E35: Unauthorized Message to View for Guest Users

Figure E36: Unauthorized Message to Download for Guest Users
Theses Searching Page (Ontology-based Searching)

First, users have to choose the Keyword and enter the query in the text box. In Figure E37, the keyword entered is “black-box testing”. Because of ontology, the E-TDs which not only include the keyword “black-box testing” but also the ontology of “black-box testing” are returned from the system. Please refer to Figure E38.

Figure E37: Searching Theses (Using Ontology Searching)
Show Metadata Page

Any user either member or guest can view the metadata of the E-TD on this page. Please refer to Figure E39.
Request Account

This is the information page for the students to request account from the admin to use this system. Please refer to Figure E40.

![Request New Account Page](image)

*Figure E40: Request New Account Page*

E-TD Submission Guidelines Page

This page is the information page for the students in preparing their thesis to submit to this system. Please refer to Figure E41.
E-TD Online Help Page

This is the online help page intended for all the users in using this system.

Please refer to Figure E42.
About Page

Users can read about this E-TD system on this page. Please refer to Figure E43.

Figure E43: About E-TD System