A.13: Development of web based Indus fault logbook (FLogbook) software

Indus Web Server facilitates viewing of logged data of Indus parameters, any where in RRCAT. Indus Fault Log Book (FLogbook) was recently developed and deployed for regular use on Indus Web Server, for electronically recording the faults encountered in various subsystems of Indus-1 and Indus-2 during round the clock machines operations. The operation crew can record complete details of faults, failures and troubleshooting information. This web based software was designed to operate in the intranet environment over three tier software architecture. Java Server Pages (JSP), JavaBeans and SQL database were mainly used for its building blocks. . This web application provides fault logging, auto-emailing the faults to concerned persons depending on the faulty sub system or faulty device and also provides a commenting facility. Full text search facility allows the users to explore any previous fault. All these features use the back end relational database. Access to FLogbook is authenticated using RRACT central e-mail server and the software can be used by user with his/her official e-mail login and password. .

Fig. A.13.1: FLogbook Features

Figure A.13.1 shows Essential features of FLogbook. FLogbook provides text and image data to be inserted in the fault report. It is equipped with a software module for instant grabbing the control application window or control computer's desktop for attaching it to fault report.as a image file. This module can generate the image in various popular image formats.
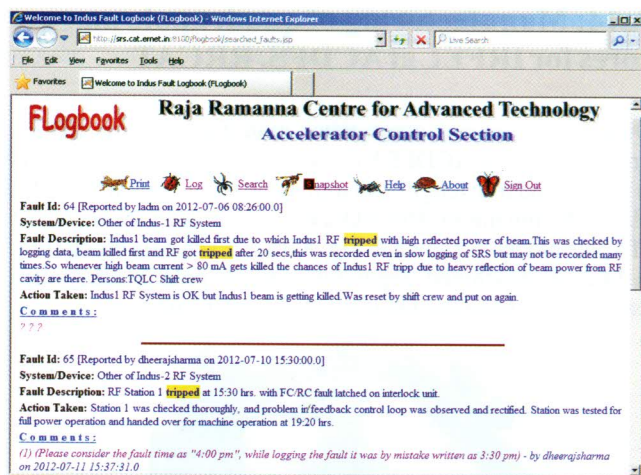

Fig. A.13.2: Result Page of Information Search Query

Information obtained from FLogbook database after firing the query with user's selected search arguments is displayed in Figure A.13.2. Fig. A.13.3shows the automatically generated email
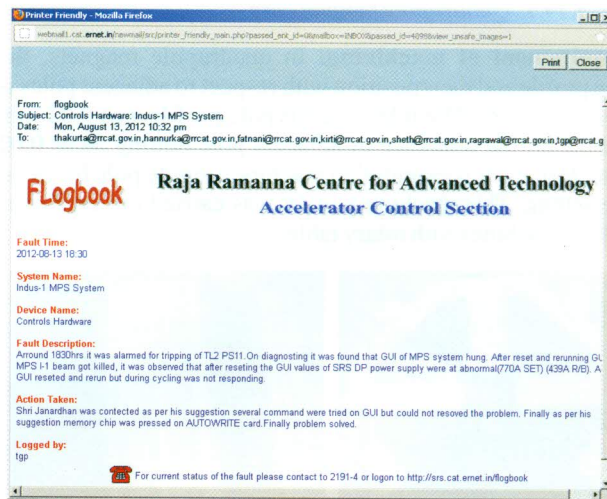

Fig. A.13.3: Email sent by FLogbook

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