CS684 Documentation

ERTS LAB
IIT-B

CS684 – 2010 Project

Project: Visual Programming Environment for Firebird

Project Title: Visual Programming Environment for Firebird

Students:

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Project Objective:

- IDE to drag, drop and create visual programs.

- Converting program to equivalent C program.

- C programs will compile and execute on Firebird V Atmega 256.

Hardware Platform

1. Firebird V ATMEGA2560

Software

1. AVR Studio 4
2. Netbeans
3. Jdk 1.6

Code Description

Code Files.

Filename	Purpose	Executes on
WorkspaceController.java	Main Program	PC
firebird.h	Contains the abstractions of major operations.	Robot

Deliverables

Filename	Contains	
OpenBlocksProject	SourceCode of java programs to be compiled and executed in order to run the IDE. Contains documentation of the code as well.	

Execution Instructions:

1. Open Netbeans.
2. Open netbeans project from the folder OpenBlocksProject_1
3. Run the file Controller.WorkspaceController.java
4. Design your program
5. Click on Get C code and save the file
6. Open the saved C file in AVR studio and add the header file firebird.h.
7. Compile and burn on the robot.