**CSC372 Project Proposal Form**

**Group Info**

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| **Station #** | **First Name** | **Last Name** | **Contribution [0..100]**  **(filled during 3rd lab)** |
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**Project Description (as posted on CoursePeer)**

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**Technical Description of Project  
(System block diagram, technical implementation details)**

use additional pages if required

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**Notes About Project’s Difficulty**

Please check off each accomplishment you propose in your project and indicate whether that

accomplishment was interrupt‐driven (if applicable). For accomplishments with multiple units such as

the LEDs, switches, motors, etc., indicate the number of such units used. For example if you are using

two Lego motors place the number 2 in the column instead of a checkmark.

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| --- | --- | --- | --- |
| **Accomplishment** | **Proposed?** | **Interrupt?** | **Demonstrated?**  **(to be filled by your TA)** |
| LEDs/Switches |  | N/A |  |
| Push buttons |  |  |  |
| Digital protoboard |  |  |  |
| VGA |  | N/A |  |
| LCD |  | N/A |  |
| Custom random number generator |  | N/A |  |
| Lego motors |  | N/A |  |
| Linking C with assembly |  | N/A |  |
| Lego sensors |  |  |  |
| JTAG UART transmit |  |  |  |
| JTAG UART receive |  |  |  |
| Timer |  |  |  |
| Hexkeypad (rows or columns only) |  |  |  |
| Hexkeypad (rows and columns) |  |  |  |
| RS‐232 UART transmit |  |  |  |
| RS‐232 UART receive |  |  |  |
| DMA transfer |  |  |  |
| Nios II Custom Instruction |  | N/A |  |
| Audio Codec output to speakers |  |  |  |
| Audio Codec input from microphone |  |  |  |
| PS/2 Keyboard |  |  |  |
| PS/2 Mouse |  |  |  |
| SD Card Reader |  |  |  |
| Custom Bus Component |  |  |  |
| Ethernet |  |  |  |
| Custom device on GPIO port |  |  |  |

Reminder: Make a copy for your team, and a copy for the TA when completed.

Please describe any other devices or complex software algorithms you will use.

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