University of Toronto, Faculty of Applied Science and Engineering

Department of Electrical and Computer Engineering

**ECE 243S – Computer Organization – 2020**

**Project Proposal Form**

Use this form to briefly describe your project, in point form. You should submit the filled‐in form to the Quercus Assignment titled **Project Proposal**, and mail your TA to request feedback on it. The TA will advise you if changes are needed to your project proposal, toward the goal of making it sufficiently, but not overly, challenging and interesting. In most cases your TA will approve (perhaps after suggesting changes) the proposal immediately; otherwise, your TA will send feedback by email within 48 hours.

**Group Info**

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| --- | --- | --- | --- | --- |
| **Station Number-TA** | **First Name** | **Last Name** | **Student Number** | **Email** |
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**Point Form Brief Description**

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| * User input will be taken through FPGA KEYS to move objects * Graphics are drawn by pixels in a routine or imported from a file in one of the three lanes and outputted to VGA display * Program will constantly generate obstacles at one of the three lanes randomly. * User can only move the car object between one of the three lanes by press and release keys * Game can be paused by using key and will terminate if car object contacts obstacle object * A time might be included if time allows to track game time in order to rank trials and increase rate of generating obstacle objects |