ECM Final Project

Ebubechi Wisdom Okoro Oliver McNaughton

Mon, 13/02/2023 Project Start: 13 Feb 2023 20 Feb 2023 27 Feb 2023 6 Mar 2023 13 Mar 2023 20 Mar 2023 27 Mar 2023 3 Apr 2023 1 Display Week: 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 ASSIGNED TASK PROGRESS START END **Design Phase** 13/2/23 Break Down Tasks-High level Logic Map Wisdom 100% 16/2/23 Research colour conversion; RGB to defined Wisdom 100% 16/2/23 18/2/23 colour 18/2/23 22/2/23 Brainstorm how to save completed actions Oliver 100% Pseudo code for buggy recognising colour Both 100% 16/2/23 18/2/23 procedure Research- interrupts for Colour picker or Both 100% 16/2/23 18/2/23 other method of recognising colour Implementation 100% 17/2/23 21/2/23 Fine tune movements to reduce overshoot Oliver Turn on colour picker LED Wisdom 100% 19/2/23 24/2/23 Set up Serial to receive Colour Picker RGB Wisdom 100% 16/2/23 17/2/23 Values 100% 22/2/23 5/3/23 Implement Memory Save function Oliver Write function for converting sensor ouput Wisdom 100% 23/2/23 26/2/23 to colour 100% 17/2/23 23/2/23 Calibrate sensor ouput for colour cards Wisdom Implement Timer interrupt to handle Oliver 100% 5/3/23 13/3/23 exceptions Testing Test buggy reaction to all colour cards Both 100% 8/3/23 13/3/23 Test buggy with and without tyres Oliver 100% 8/3/23 12/3/23 Test buggy in different lighting conditions Both 100% 8/3/23 13/3/23 Test buggy with and without cover Both 100% 8/3/23 12/3/23 Insert new rows ABOVE this one