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|  | **K. J. Somaiya College of Engineering, Mumbai-77** | | |
|  | (Autonomous College Affiliated to University of Mumbai) | | |
|  | **IC-02 Internship Report** | | |
|  |  |  |  |
| **Student Full Name** | Jay Manish Domadia | **Start Date** | 1/1/2020 |
| **Roll no** | 1813014 | **End Date** | 15/03/2020 |
| **Branch** | EXTC | **Total hours** | 280 |
|  |  | **completed** |  |
| **Year of study** | 2018/19 | **Internship** |  |
|  |  | **supervisor** | Shanay Shah |
|  |  | **name** |  |
| **Name of** |  | **Internship** |  |
| **Organization /** |  | **supervisor** | [shanay.shah@orion-racing.com](mailto:shanay.shah@orion-racing.com) |
| **Dept. where** | Orion Racing India | **mail id and** | 9833443112 |
| **internship/training** |  | **phone** |  |
| **completed** |  |  |  |

**Please describe your internship work in space provided below**



**Internship Area / Project Title:     Driver Interface**

**Work done in brief: (Attach diagrams, graphs, results if required)**

 . Designed the SLM(Sequential light module) for RPM

 . Coding done for LED display

 .Designed PCB for the SLM and LED display to work using Atmega328 as microcontroller

 . Designed interface in the new Nextion displayrtain

 . Coding done for new SLM module and configured the LEDs to glow up after certain RPM is reached

**Resources / Tools used:**

**SOFTWARES:**

ArduinoIDE

Eagle

Nextion Editor

**HARDWARES:**

Bredboard

ICs (ATMEGA2560,Atmega328)

Arduino (Uno , nano , mega)

**Key learnings from the internship:**



I learnt using the Nextion editor which helped us configure the Nextion LED display on the car and helped us provide a better interface to the driver. Learning ArduinoIDE was even helpful as it helped in coding the SLM module .

I even learnt PCB soldering that I could apply while the DI PCB was designed and implemented.

Sign of Student: Sign of Internship Supervisor

Date: Date:

Modified by: IAI Rev.4, 13.08.19