Kenovo – Electric Blender (PO2\_EBL)

CYRS Document

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# **The Overall Description**

# **Project Name**

The Name of the project is **Kenovo – Electric Blender.**

# **Project ID**

The ID of the project is **PO2\_EBL\_CYRS.**

# **Document Status**

The Current status of the Documented is **Drafted.**

# **Document History**

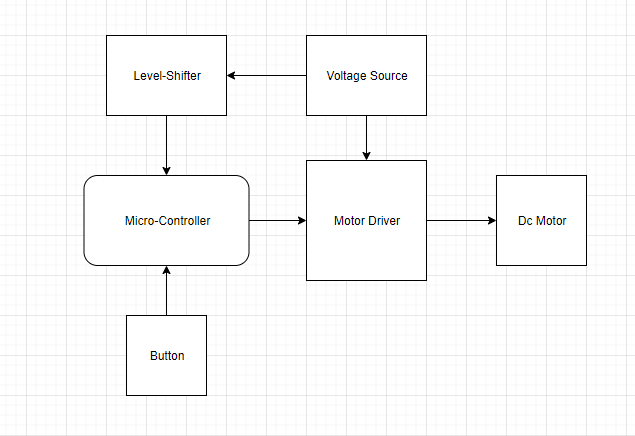
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| Version | Author | Date | Change description |
| 1.0 | Mohamed Adel Anis | 22/01/2020 | Initial Creation of CYRS |
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# **Project Description**

# **Description of the project**

This project is to create an Electric blender that customer can change its rotating speed to three different levels of speed using only one button. The operating voltage should be monitored to detect any failure in the system.

# **Block Diagram**



# **Features**

# Speed Controlling (Req\_ PO2\_EBL\_Electric\_Blender\_CYRS\_001-1.0)

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* The Electric blender contains three speeds to be operated on, the first speed with duty cycle of 50%, the second speed with duty cycle of 75%, and the third speed with duty cycle of 100%
* Software aware that the button is pressed by the user, to switch to one of the that sequence [ Turned off 🡪 Speed 1 🡪 Speed 2 🡪 speed 3 🡪 Turned off]

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# System Failure Detection (Req\_ PO2\_EBL\_Electric\_Blender\_CYRS\_002-1.0)

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* The Software detects any changes in the behavior of the input voltage to the Motor Driver, which leads to Stop the process.

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