

WINTER  
2020

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# CAMPLUG PROPOSAL

PROPOSED TO:  
Dima Marachi

ORGANISED BY:  
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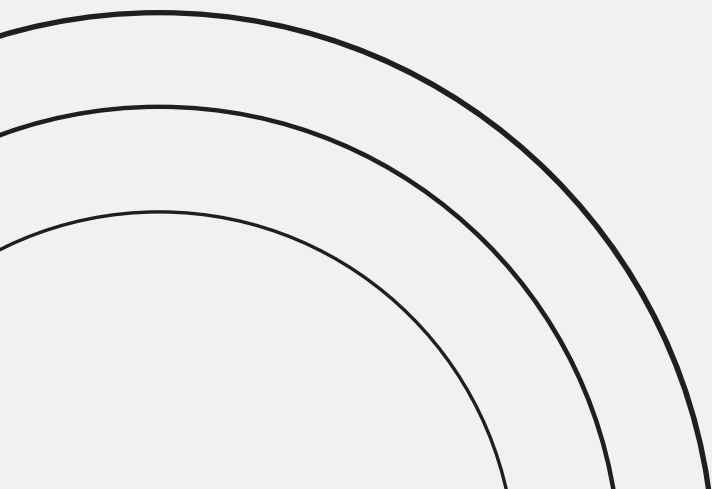
# DESCRIPTION

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CAM PLUG VENTURE WOULD BE AN ADVANCED VERSION OF THE TRADITIONAL CAM PLUG WHICH IS USED TO CONTROL THE ELECTRICAL DISTRIBUTION SYSTEM.

THE IMPROVED ADDITION OF CAMPLUG WILL BE ACCESSED BY A WEB-APP WHICH WOULD BE ABLE TO MONITOR AS WELL AS CONTROL ALL THE ACTIVITIES OF PLUG THAT INCLUDES LIVE STATUS, TEMPERATURE DETECTION, AND CONTROL, BREAKAGES, LEAKAGE, LOCATION AND ALERT WHILE ANY FAILURES. ALL ETHICAL INFORMATION COMING FROM A DATABASE/DOMAIN.

OUR GOAL IS TO BUILD A WEB-APP THAT SUPERVISES THE BEHAVIOR OF TEMPERATURE, LEAKAGE, THE PLUG IS LOCKED OR NOT, THE PLUG IS WORKING OR NOT AND SHOW A NOTIFICATION IF ANY MISSHAPING WITH THE PLUG AND SENSOR.





# VISION STATEMENT

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FOR USERS,  
WHO WANTS A FULLY FUNCTIONAL WEBSITE/APP  
THE CAM-PLUG IS WEB-APP MONITORING THE PLUG  
STATUS  
THAT ALLOWS TO DETECT THE LEAKAGE AND ABNORMAL  
BEHAVIOR OF TEMPERATURE AND TRACKS LOCATION VIA  
WEB-APP  
UNLIKE THE TRADITIONAL PLUG THAT DOES NOT HAVE  
SENSORS TO DETECT INFORMATIC DATA  
OUR PRODUCT WILL DISPLAY ALL INFORMATION COMING  
FROM THE SERVER/DOMAIN.

# ISSUE YOU ARE ADDRESSING

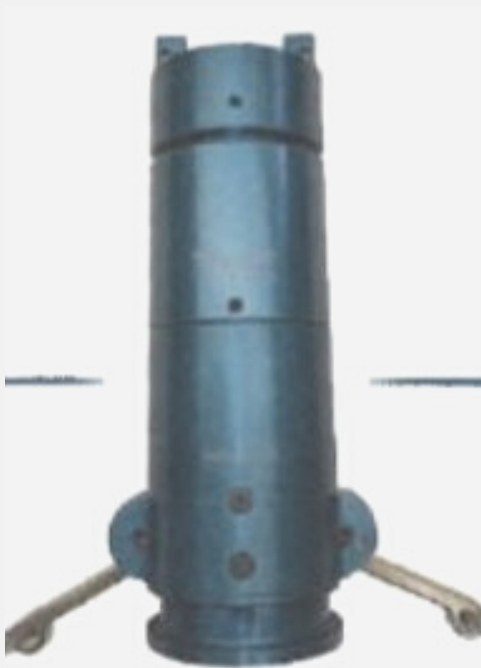
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- **Failure to send and receive data from the cloud server(Communication failure).**
- **Encryption of data(Duplicate Information).Security problems (eg:- authentication issues).**
- **Managing Design influences.**
- **Accomplished with a different environment / Platform (eg:- Different environments like Android/IOS ).**

# DIVISION OF WORK

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**Each team member contributes equally according to their skills and knowledge so that in the end we would have a quality product.**



CONNECTOR



WALL RECEPTICLE



PLUG

# RESOURCES

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- TO COLLECT MORE INFORMATION WE WILL GET HELP FROM INSTRUCTORS AND THE COMPANY MEMBERS.
- SLACK IS THE BEST WAY FOR US TO COMMUNICATE WITH OTHER TEAM MEMBERS.
  - IN THE WEEKEND MEETINGS, WE WILL DISCUSS MORE ABOUT OUR PROJECT.
  - WE WILL BE USING THE INTERNET FOR RESEARCH PURPOSES.
  - WE WILL ALSO COLLABORATE WITH OTHER TEAMS WORKING ON CAM PLUG

# PLANNED SPRINTS

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|---------------|--|
| <b>Week 1</b> | WE WILL PLAN THE WHOLE SCENARIO OF THE PROJECT AND HAVE A GROUP MEETING TO PROCEED TO ACHIEVE OUR GOAL.  |
| <b>Week 2</b> | ON THE BASE OF OUR FIRST SPRINT, WE WILL BUILD A BUNCH OF USER STORIES AND APPLY THOSE STORIES ON OUR PROJECT. WE WILL ALSO SORT THE USER STORIES ACCORDING TO THEIR PRIORITIES. |
| <b>Week 3</b> | ON THE BASE OF OUR USER STORIES, WE WILL DIVIDE THE WORK AND PERFORM THE ACTIVITIES.   |
| <b>Week 4</b> | WE WILL RESOLVE THE ISSUES AND BUGS IN OUR SPRINT IF THERE IS ANY AND FINALIZE OUR WORK FOR THE CODING PART.   |
| <b>Week 5</b> | WE WILL EMPHASIZE OUR CODING PART AND WE WILL GET USED TO CLOUD COMPUTING TO FOCUS ON OUR DECIDED SPRINT WORK.   |

# PLANNED SPRINTS

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<b>Week 6</b>	CODE REVIEW AND TESTING.
<b>Week 7</b>	WORK ON DESIGN AND INTERFACE
<b>Week 8</b>	DESIGN REVIEW
<b>Week 9</b>	REVIEW AND TESTING
<b>Week 10</b>	PRODUCT INCREMENT AND BURN DOWN CHART DUE
<b>Week 11</b>	START WORKING ON A PRESENTATION
<b>Week 12</b>	FINAL CHECK OF THE WHOLE PROJECT AND PPT.



# FINAL THOUGHTS

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*Our team will provide you the most valuable and Working product that lets you navigate the website conveniently and display all the essential information that is necessary.*

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Cam-Plug, is a novel pin and sleeve receptacle that has adapted the traditional long established Cam-Lock design, engineered to secure the plug for non-hazardous locations whether indoor or outdoor, capable of withstanding extreme weather conditions.

## Securing a safer connection

- Less maintenance
- Faster connection process
- Eliminates damaging threads
- Lock out tag out
- longer lifespan