

Problem Statement Form

for VIP and Design Class

Date: 9/27/2017

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| Team Name | <i>Time</i> | Team | |
| Team Project Title | E-Trike Electric Tricycle | | |
| Team Advisor | Mr. Brown | | |
| Team Assistant | | | |
| Team Members | Senior Design Class Students | TiAuna Dodd, Mercy Daniel-Aguebor, Kasandra Price, Adaugo Anyamele, Breyonna Pinkney, Felicia Long | |
| | Other Students | | |
| Team Project's Long Term Goal | The long term goal is sto get the Electronic tricycle fully functinal <i>and have a battery management scvuce (BMS).</i> | | |
| Team Project's 2017-2018 Academic Year Goal | This year's goal is to get new lithium batteries for the trike and for it to move. | | |
| Problem Statement | Dissatisfied Situations | Itemize: Physically disabled people are not able to use bicycle as a means of affordable transportation | |
| | Needs from the Situations | Itemize: A cost efficient mode of transportation that can rely on either human or battery power depending on user preferences and abilities | |
| | 1-Sentence Problem/Need Statement | A complete sentence: The E-trike will allow the user to extend range and load, improve manuverability and tailor effort to the user's abilities whileremaining cost and time efficient. | |