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Proposal

Institution: Military Institute of Science and Technology (MIST)

Department: Mechanical Engineering

Batch: ME-08

Session: 2011-2012

Level-3 Term-1

Group-04

Course Code: ME-362

Course Detail: Measurement and Instrumentation Sessional

Proposed Project:

Stair climbing shrimp rover robot

Goal of the Project:

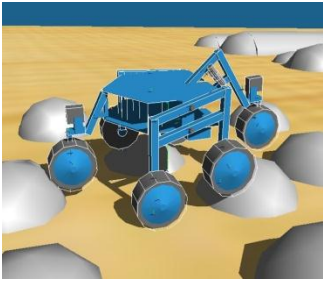
1. To develop a better stair climbing mechanism with a modified form of Shrimp rover robot and a tri-axial wheel system.
2. Get better stability in locomotion by use of tri-axial system
3. Portability of the system-like Use of portable DC motor.
4. Building an economical design for use in various fields.

This proposal is based on basic framework developed by the discussion between the team members.
Further modification might be done by receiving suggestion from the project supervisor.

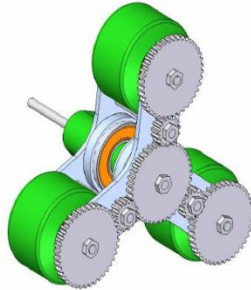
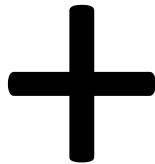


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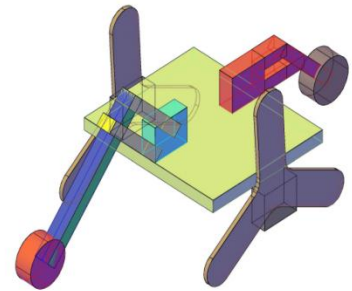
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Shrimp Rover Robot



Tri-Axial wheel



Prototype of final Design

Team Members with distribution of works:

1. Zunayed Mahmud-201018010
2. Munzarin Morshed-201018024
3. Abid Mahmud Shohel-201018025
4. Ashadullah Hill Galib-201018027
5. Al Amin- 201018039
6. Raihan Masud Saquib-201018051

Estimated Time of completion: 10 weeks from date of initialization(Approx).

Evidence of Project works in the estimated time will be verified by:

1. Time to time consultation with the project supervisor.
2. Website update with multimedia.
3. Video evidence of successful project starting from construction phase.

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