**North South University**



**DEPARTMENT OF ELECTRICAL AND COMPUTER SCIENCE**

**COURSE: CSE-499-B**

**SECTION-12**

**GROUP-1**

PROJECT TITLE: GARBAGE COLLECTOR ROBOT

Supervised BY: Dr. Shazzad Hosain

**SUBMITTED BY-**

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**WEEKLY PROJECT PROGRESS PLAN**

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| DATE | Work Details |
| Week - 1  30-09-2019 | Collect all required equipment. (robotic arm for grabbing object, customized metallic car) |
| Week - 2  14-10-2019 | Design the primary structure of full project. |
| Week - 3  21-10-2019 | Assemble the robotic arm with code and calculation for grabbing garbage. |
| Week - 4  28-10-19 | Initial test of the car by powering it up. Check whether it can take the load(weight) or not. Additionally calculate all the power consuming devices based on that select proper power supply. |
| Week - 5  04-11-2019 | Combine robotic arm and car. Also test the primary mechanism. |
| Week - 6  11-11-2019 | Make connection with the the raspberry pi and camera to detect garbage. |
| Week - 7  18-11-2019 | Add sensors (sonar) for object avoidance so that the car can move without any interrupt. |
| Week - 8  25-11-19 | After classifying the garbage type check the basket can rotate correctly to gather garbage at a specific potion of basket |
| Week-9+10  02-12-2019 | Testing…  (Test the project to check all the feature of the project working accurately) |