

[Group 11] Assignment #4: Analytics tools and cloud platform using real sensors

1. TEAM MEMBER DETAILS:

- 1) Priyam Garg pgarg6@ncsu.edu
- 2) Divyang Doshi ddoshi2@ncsu.edu
- 3) Brendan Driscoll bhdrisco@ncsu.edu
- 4) Jordan Boerger jwboerge@ncsu.edu
- 5) Vishal Veera Reddy vveerar2@ncsu.edu

2. TEAM MEMBER CONTRIBUTION:

Tasks		Members				
Topic	Sub Tasks	Priyam Garg	Divyang Doshi	Brendan Driscoll	Jordan Boerger	Vishal Veera Reddy
Hardware	Setting up the hardware (IMU, IoT Device) and collecting the data			100%		
Data Labelling	Labelling the data with appropriate labels			100%		
Data Processing	Processing the data					100%
Data Augmentation	Detecting the door open/close event using the data received at the fly	50%	50%			
Machine Learning Classification Modelling	Implementation, Deployment, Feature Engineering, Training and Building of the Classification Model	50%	50%			
MQTT Communication	Setting up the MQTT for communication between different platforms				100%	
Report/README		20%	20%	20%	20%	20%