**Lab 2 - Introduction to Model – Answer Grid 2**

The following should be used as a structure for presenting the requested information. This structure can then be copied into an Appendix of the main assignment report.

1. *Basic Operation*

The following data shows that you have got the simulation working as expected.

* *Insert a plot for each of the following:*
  + *Straight Line motion* 
    - *Insert a plot of the x distance travelled.*
  + *Turn counterclockwise*
    - *Insert a plot of the psi angle.*
  + *Turn Clockwise* 
    - *Insert a plot of the psi angle.*
  + *Complete a short forward, turn left, forward, turn right*
    - *Insert a plot of the x/y position*

1. *Running the Model with a Fuzzy Controller*

The following data shows that you have got a basic Fuzzy controller working with the model.

* *Provide a plot of the path of the system using the tutorial example.*
* *Comment on the behaviour of the system*
* *Comment on any changes you would make to improve the performance of the system*
* *Provide a plot of the path of the system with the changes you have implemented*

1. *Running the Model with a Neural Controller*

The following data shows that you have got a basic Neural Network controller working with the model.

* *Provide a plot of the path of the system using the tutorial example.*
* *Briefly comment on the behaviour of the system*
* *Comment on any changes you would make to improve the performance of the system*
* *Briefly* *provide a plot of the path of the system with the changes you have implemented*