

Department of Chemical Engineering
IIT Bombay
CL692, Digital Control
Project 1
Handed out on: 29 Aug 2006
To be completed by: 4 Sep 2006

In the file `proj1.mat`, matlab workspace variables have been saved. If you give the command `load proj1.mat` while inside the matlab environment, you will get variables `y1`, `y2`, etc., until `y25`. I am also attaching in the file `list.pdf`, a list of students in the class, with serial number 1 to 18. If your serial number is `N`, you will have to work with the data set `yN`. For example, Anju Meghwani will work with `y5`. Your task is to determine the underlying noise model. I have used AR or MA or ARMA processes, to generate these.

The following is applicable ONLY to the other students, whose names are not in this list: You can use any data set, from `y19` to `y25`. If you are going to discuss with your friends, make sure that your data set is different from others. If you don't plan to discuss with anyone, it does not matter what data set you choose.