CPU Forecasting Using Neural Networks

*Sai Narsi Reddy Donthi Reddy*

*School of Electrical and*

*Computer Engineering*

*University of Missouri - Kansas City*

*Email: sdhy7@mail.umkc.edu*

# Introduction

In this paper we forecast CPU usage by five different virtual machines by using forecasting techniques such as moving average (MA), weighted moving average (WMA), exponential Smoothing(ES), exponential Smoothing with trend (EST) and windowed linear regression (WLR) as input to neural network whose weights are updated temporally using stochastic gradient descent optimizer.

# Method