



# MATHEMATICS BULLETIN

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## MS WELCOME PARTY

MS students Batch I (Fall 2008) organized a warm welcome to MS Batch II ( Fall 2009) on 23rd November 2009. HOD Dr. G.Q.Abbasi and all faculty members joined them to grace the event.



## Updates

MR. Mohammad Mohsin (Asst. Professor) has left for PhD at University of Klagenfurt, Austria.

DR. Tajammal Hussain was invited to conduct Viva Voce exam of M Phil students by IQTM PU on 17th November 2009.

A paper on " Organizational Culture: Impact on Female Employees Job Performance" published by S.M.Irfan, T.Hssain and I.Yousaf in Journal of Quality and Technology Management Volume V, Issue-II , Dec ,2009, pg 1-16.

Mr. Muhammad Rafiullah (Ass.t Professor) has been selected as a reviewer of Journal of Computational and Applied Mathematics, Publisher Elsevier.

# SEMINAR SERIES

**Dr. Abdul Haque** from **Management Department** delivered an informative lecture on **Panel Data** in Mathematics Department. He discussed the following key points.

Panel data model  
Static panel data model  
Fixed Effect Model  
Dynamic linear model  
Simple dynamic linear model  
Simple dynamic linear model  
(OLS estimator vs WG estimator)  
Simple dynamic linear model  
I(nstrumental variables estimation)  
Generalized method of moments(GMM)  
First differenced GMM estimation  
Diff-GMM Vs AH  
System GMM estimation  
Dynamic investment models  
Econometric Specification



## Implementation of Quality Management Techniques to Improve the Quality of Yarn Industry

Quality management has emerged with promising organizational performance outcomes around the business world and has brought healthy prospective for the modern era business organizations to meet the challenge of continuous quality improvement to satisfy the customer demands. Organizations are forced to ensure the quality of their products and services to meet the challenges posed by the competition existing in the markets around the globe, growing customers' awareness of market development, ever-escalating quality demands from customers, and the urge of organizations to strive for winning the competitive edge at marketplace. The organizational culture, management style, human resources and the managerial perspectives are considered critical factors in defining the success or failure of the quality management programs. Hence, it is worthwhile to appraise the effect of quality management practices in improving the quality of yarn and organizational performance in context of cotton yarn industry of Pakistan, which is characterized with a specific organizational culture, management style, human resources, and managerial perspectives. The findings of this research show that cotton yarn industry of Pakistan has implemented quality management techniques at a moderate level, and quality management programs are receiving positive response from the industry. Secondly, implementation of quality management techniques proved to have a significant positive impact on profitability, market share, sale volume, reduction in rejection rate, and organizational performance.



Dr. Tajammal Hussain

# FACULTY PROFILE

## Syed Tahir Rizvi (Lecturer)

I am Syed Tahir Raza Rizvi , Lecturer in CIIT Lahore. I did my M.Phil from UET Lahore and looking forward to take admission in Ph.D.

### Teaching career:

Jan 06 - Sep 07 (Lecturer) Institute of Engineering and Technolog Lahore (Study centre of Allama Iqbal Open University.)

Oct 07 - Aug 08 (Tutor) Virtual University of Pakistan

Sep 08 - till date (Lecturer) COMSATS Institute of Information Technolog Lahore.

### Publications:

1st (ISI International) paper has been accepted in International Journal of Nonlinear Science.

I. Siddique, S. T. R. Rizvi, Fiza Batool, "New exact traveling wave solutions of Nonlinear evolution Equations"

## ABOUT THE FAMOUS MATHEMATICIAN

### Leonard Adleman

Leonard Adleman was born in 1945. He grew up in San Francisco. He was not ambitious to become a mathematician. He was enrolled at the University of California intended to be a chemist, then changed his mind to become a doctor. Finally he settled on a mathematics major. He graduated in 1968. Adleman pursued a PhD in computer science.



While in graduate School, he understood the true nature and compelling beauty of mathematics. He discovered, he said, that mathematics "is less related to accounting than is to philosophy. In 1976 he got a job as an assistant professor of mathematics at the Massachusetts Institute of Technology. There he met Ron Rivest and Adi Shamir who were trying to invent an unbreakable public key system. They shared their excitement about the idea with Adleman, who greeted it with a polite yawn, thinking it impractical and not very interesting. Nevertheless, Adleman agreed to try to break the codes Rivest and Shamir proposed. Rivest and Shamir invented 42 coding systems and each time Adleman broke the code. Finally on their 43rd attempt, they hit upon what is now called the RSA scheme. Adleman's mode of working is to find something that intrigues him and to dig in. He does not read mathematics journals, he says, because he does not want to be influenced by other people's ideas.

He was the mathematical consultant on the movie *Sneakers*.