



کراچی یونیورسٹی

University of Karachi

Office of the Dean, Faculty of Sciences

RESEARCH METHODOLOGY II (ASR 702)

Communication Skills in Sciences

Lecture notes available at: <http://www.ngds-ku.org/DFS/Comm.pdf>

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Day & Date: Saturday, February 7, 2009

Time: 1411h (2:11 pm)

Venue: Council Room

Office of the Dean, Faculty of Sciences

University of Karachi, Karachi 75270.

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Ø **Communication Defined**

- Importance of communications
- Interpersonal and intrapersonal communication

Ø **Model of Communication**

- Message
- Noise

Ø **Barriers to Effective Communications**

- Common Barriers
- Overcoming Barriers

Ø **Improving Communications**

- Tips to Improve Communications

Ø **Epilog**

- Recap

References

- McKay M, Davis M, Fanning P, *Messages: The Communications Skills Book*, New Harbinger Publications, Oakland, Ca., USA, 2nd Edition, 1995
- Karten N, *Communication Gaps and How to Close Them*, Dorset House Publishing, New York, USA, 2002
- Kushilevitz E, Nisan N, *Communication Complexity*, Cambridge University Press, Cambridge, UK, 1996

Professor Dr. Syed Arif Kamal, Ex-Chairman, Department of Mathematics, University of Karachi and Convener, National Curriculum Revision Committee in Mathematics, Higher Education Commission, obtained his BSc (Honors), MSc and PhD from University of Karachi, MS from Indiana University, Bloomington, USA and MA from the Johns Hopkins University, Baltimore, USA as Quaid-é-Azam Scholar.

His awards and honors include throughout First-Class-First Position and 4 gold medals for scholastic achievements. He is a member of American Institute of Aeronautics and Astronautics (AIAA), International Brain Research Organization (IBRO), the Karachi University Senate, Academic Council and Boards of Faculty. He is a referee of *Clinical Biomechanics* (Elsavier), *Proceedings of the Pakistan Academy of Sciences* and *Journal of Scientific and Industrial Research*.

His research, teaching and administrative experiences in institutions of higher learning and R&D organizations span over 27 years. He has 100 papers to his credit in biomathematics, astrodynamics, relativity, physical mathematics and algebra.

He takes keen interest in programs of Office of the Dean, Faculty of Sciences. On August 16, 2008, he conducted "Workshop on Research Proposal Writing" in the same Council Room.