Curriculum Vitae
of

Dr. Ghulam Kabir Beg

Department of Mathematics & Statistics
King Fahd University of Petroleum & Minerals

PERSONAL INFORMATION:

Full Name:	*Ghulam Kabir Beg*
Nationality:	*Bangladeshi*
Date of Birth:	*January 01, 1953 AD*
Marital Status:	*Married, with five children*
Religion:	*Islam*
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	King Fahd University of Petroleum & Minerals
	Dhahran 31261, Saudi Arabia

WORK EXPERIENCE:

March, 1994 **to** **PRESENT**	**Assistant Professor** Department of Mathematics & Statistics King Fahd University of Petroleum and Minerals, Saudi Arabia
September, 1987 **to** **February, 1994**	**Lecturer 'B'** Department of Mathematical Sciences King Fahd University of Petroleum and Minerals, Saudi Arabia
January, 1987 **to** **August, 1987**	**Assistant Professor** Department of Mathematics Bangladesh University of Engineering & Technology, Bangladesh
September, 1983 **to** **June, 1986**	**Research Assistant** Department of Mathematical Sciences King Fahd University of Petroleum and Minerals, Saudi Arabia
March, 1979 **to** **August, 1983**	**Lecturer** Department of Mathematics Bangladesh University of Engineering & Technology, Bangladesh
September, 1978 **to** **February, 1979**	**Research Officer** Ministry of Planning Government of Bangladesh, Bangladesh

EDUCATION:

1987 – 1994	**Ph.D. in Mathematics (Numerical Analysis)** GPA: **3.714** out of **4** King Fahd University of Petroleum and Minerals, Saudi Arabia
1983 - 1986	**M.S. in Mathematics (Numerical Analysis)** GPA: **3.625** out of **4** King Fahd University of Petroleum and Minerals, Saudi Arabia
1976 - 1977	**M.Sc. in Mathematics (Pure)** First Class, First Rajshahi University, Bangladesh

1973 - 1976	**B.Sc. (Honors) in Mathematics** First Class, First Rajshahi University, Bangladesh
1968 - 1970	**Higher Secondary Certificate (Science Group)** First Division Kushtia Government College, Bangladesh
1964 - 1968	**Secondary School Certificate (Science Group)** First Division Kushtia Zilla School, Bangladesh

SHORT COURSES:

09.May – 13.May 1992	**The Dynamics of Teaching Excellence** Academic Development Center King Fahd University of Petroleum and Minerals, Saudi Arabia
23.Nov – 27.Nov 1991	**Good Evaluation – A Critical Part of Good Teaching** Academic Development Center King Fahd University of Petroleum and Minerals, Saudi Arabia

SPOKEN LANGUAGES:

Proficient (reading/writing/speaking)	English, Bengali
Speaking (only)	Urdu/Hindi

COURSES TAUGHT:

Bangladesh University of Engineering & Technology
Dhaka, Bangladesh

1. **B.Sc. Engineering & Architecture Students**
   a. Differential and Integral Calculus with Applications (10 terms)
   b. Ordinary Differential Equations (4 terms)
   c. Numerical Analysis (8 terms)
   d. Complex Variables (2 terms)
2. **M.S. Engineering Students**
   a. Numerical Analysis (1 term)

King Fahd University of Petroleum & Minerals
Dhahran, Saudi Arabia

1. **B.Sc. Engineering, Architecture, Mathematics and Management Students**
   a. Preparatory Math I and II (22 terms)
   b. Calculus I (4 terms)
   c. Calculus II (7 terms)
   d. Calculus III (1 term)
   e. Differential Equations (2 terms)
   f. Differential Equations & Linear Algebra (3 terms)
   g. Finite Mathematics and Applied Calculus (7 terms)
   h. Numerical Computing (3 terms)
   i. Engineering Mathematics (1 term)

CONFERENCE & WORKSHOP ATTENDANCE AND COMMITTEE WORK:

Conferences Attended	1. First Saudi Science Conference, KFUPM. Date: 9-11 April,2001
Some of the Workshops Attended	1. Workshop on coordination of Multi-section courses and Multiple-Choice Exams, KFUPM. Date: February 22, 2004. 2. Workshop on Industrial Mathematics, KFUPM. Date: February 29, 2004.

	3. Workshop on Algebra & Applications, KFUPM. Date: Nov. 7-9, 1999.
	4. Workshop on Computers in Education and Training, KFUPM. Date: March 13, 1998.
	5. Workshop on Matrix Theory and Applications, KFUPM. Date: Dec. 16, 1997.

Committee Work	1. Calculus coordination committee (member) : 2007-08
	2. Preparatory Math committee (member) : 2006-07
	3. Social committee (member): 2001-2002
	4. Text book committee for MATH321 (member): 2001-2002
	5. Social committee (member): 2000-2001
	6. Computer Utilization committee (member): 1999-2000
	7. Social committee (member): 1998-1999
	8. An Ad-Hoc committee where the B.S. programs of the top 20 universities in the united states were studied (member): 1998
	9. M.S. committee & Graduate Committee (member): 1997-1998
	10. Undergraduate committee (member): 1996-1997
	11. Graduate committee (member): 1995-1996
	12. Subcommittee for the MS programme (member): 1995-1996
	13. Scheduling committee (member): 1995-1996
	14. Also worked sometimes as a Chairman and sometimes as a member for the Numerical Analysis Group throughout all the academic years.

RESEARCH ACTIVITIES:

January, 1994 (Ph.D. Dissertation)	"The Galerkin Method for Singular Nonoscillatory Two-point Boundary Value Problems"
June, 1986 (M.S. Thesis)	"Stiffly Stable 3-Step Linear Multistep Methods"
(Others)	♦ Extension of Kharitonov's Theorem ♦ Numerical Inversion of Laplace Transforms
Publications	1. G. K. Beg, "Stiffly Stable Linear 3-Step Methods", KFUPM, Dept. of Mathematics & Statistics, Rep. 377, 2007. (Report)
	2. G. K. Beg, "A Characterization of the Sterling Number of the Second Kind with the Exponential Function," KFUPM, Dept. of Mathematical Sciences, Rep. 294, 2003. (Report)
	3. G. K. Beg and M. A. Gebeily, "A Galerkin Method of $O(h^2)$ for Singular Boundary Value Problems," International Journal of Mathematics and Mathematical Sciences, vol. 29, no. 6, pp. 361-369, Feb. 2002. (Journal Article - Published)
	4. G. K. Beg and M. A. Gebeily, "A Galerkin Method for Nonlinear Singular Two Point Boundary Value Problems," Arabian Journal for Science and Engineering, vol. 26, no. 2A, pp. 155-165, Jul. 2001. (Journal Article - Published)
	5. A. H. Joarder and G. K. Beg, "Estimation of the Trace of the Scale Matrix of a Multivariate T-Model under a Squared Error Loss," Rep. 243, 1999. (Report)
	6. A. H. Joarder and G. K. Beg, "Estimation of the trace of the scale matrix of the multivariate t-model under a squared error loss," Statistica, vol. 59, no. 2, pp. 181-191, 1999. (Journal Article - Published)
	7. G. K. Beg and others, "Bekes Functional Equation," American Mathematical Monthly, vol. 105, no. 2, pp. 183-184, Feb. 1998. (Journal Article - Published)
	8. G. K. Beg and M. A. Gebeily, "A Galirkin Method for Singular Two-Point Linear Boundary Value Problems," Arabian Journal For Science and Engineering, Section C,, vol. 22, no. 2C, pp. 79-97, 1997. (Journal Article - Published)
	9. M. A. Chaudhry, M. Ahmad, and G. K. Beg, "On some statistical properties of the Von-Karman correlation function," KFUPM, Dept. of Mathematical Sciences, Rep. 119, 1990. (Report)