

CURRICULUM VITAE

Sohail Abdul Sattar

Contact:

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CURRENT POSITION

Working as Professor and Co-Chairman in the department of Computer Science and Information Technology, N.E.D. University of Engineering and Technology, Karachi, Pakistan.

WORK EXPERIENCE

<u>Company</u>	<u>Position</u>	<u>Period</u>
CS &IT Department, NED UET	Co-Chairman	2009-date
CS &IT Department, NED UET	Professor	2011-date
CS &IT Department, NED UET	Associate Professor	2009-2011
CS &IT Department, NED UET	Assistant Professor	2003-2009
IT Center, NED University	Lecturer	2002-2003
Welders International	Project Engineer	1988-2000

2004-2009: Research Scholar and Assistant Professor at the department of Computer Science & Information Technology, NED University. Perusing a full-time PhD program besides taking a minimal teaching load of four lectures per week.

2000-2002: Studied as a regular student in the morning @ NED University for MSc (CS).

QUALIFICATION

- PhD (Computer Science) 2009 NED University of Engg. & Tech. Karachi, Collaborative research at UCF, Orlando, USA
 - ✚ **PhD Dissertation:** A Simple Technique for the Design and Implementation of an OCR for Printed Nastaliq Text
 - ✚ **PhD Supervisor 1:** Prof. Dr. Shamsul Haque, Pro-Vice Chancellor NED University of Engineering & Technology, Karachi, Pakistan
 - ✚ **PhD Supervisor 2:** Prof. Dr. Mubarak Shah, Agere Chair Professor and Director, Computer Vision Lab, School of Electrical Engineering & Computer Science, University of Central Florida, Orlando, USA
- MSc (Computer Science) 2002 NED University of Engg. & Tech. Karachi 3.58 CGPA
- CERT.-IN-ED. (Education) 1996 Ilkley Community College, University of Bradford, England (Done in Karachi, Pak)
- LLB (Law) 1992 University of Karachi Sec. Class
- BE (Mech. Engg.) 1988 NED University of Engg. & Tech. Karachi First Class

PROFESSIONAL ASSOCIATIONS

- Life-member 'Pakistan Engineering Council'.
- Corporate Member 'Institution of Engineers' (Pakistan)\
- Member International Association of Engineers

SCIENTIFIC & TECHNICAL COMMITTEES MEMBERSHIPS

- Member Board of Faculty, Faculty of Information, Sciences and Humanities, NED University, Karachi, Pakistan
- Member Board of Faculty, Faculty of Mechanical and Manufacturing Engineering, NED University, Karachi, Pakistan
- Member Board of Studies, department of Computer Science & Information Technology, NED University, Karachi, Pakistan

- Chairman Final Year Project Committee, CS & IT department, NED University since 2009
- Member Technical Program Committee, CTS, International Conferences, USA, since 2006

RESEARCH EXPERIENCE

- Worked as research scholar in the faculty development program at the department of Computer Science & Information Technology, NED University of Engineering & Technology, Karachi, on the research project entitled “Optical Character Recognition for printed Nastaliq text”, July 2004-July 2009.
- Have worked as a visiting research scholar at the Computer Vision Lab, in the School of Electrical Engineering & Computer Science, University of Central Florida, USA, for a total of twelve months in two visits, under the supervision and guidance of Prof. Dr. Mubarak Shah from Nov. 2006 to April 2007 & Nov. 2007 to April 2008.

ACADEMIC RESEARCH PROJECTS SUPERVISED

- NLP user interface for Genetics. MS(CS), Hamdard University, 2008
- Discrete Urdu Nastaliq Font Development, MS(CS), Hamdard University, 2009
- Speech Recognition for result submission Voice interface, BCIT, NED, 2010
- Speech recognition for medical transcription in pathology, BCIT, NED, 2010
- Finger print recognition, BCIT, NED, 2010

ACADEMIC RESEARCH PROJECT IN HAND

- Pedestrian Recognition and Tracking, MEng., CIS, NED

PUBLICATIONS

Referred International Conferences

2006

- “*Problems of Nastaliq OCR: A comparison of Nastaliq and Roman script OCRs*” ICCCE 06 , International Conference on Computer and Communication Engineering, Kuala Lumpur, Malaysia, May 9 – 11, 2006

2008

- “*Nastaliq Optical Character Recognition*”. ACM SE 2008 Conference, Auburn University, Auburn, Alabama, USA, March 27-28, 2008
- “*Implementation Challenges for Nastaliq Character Recognition*”. IMTIC 2008, International Multitopic Conference, organized by Mehran University of Engineering & Technology in collaboration with Aalborg University, Esbjerg, Denmark, at Jamshoro, Pakistan, April 11-12, 2008

2009

- “*Segmentation of Nastalique Script for OCR*”. ICOCI-2009, International Conference on Computing & Informatics, Kuala Lumpur, Malaysia, 24-25 June, 2009
- “*Interactive Training Framework A New Approach to eLearning*”. [FIT '09](#) Proceedings of the 7th International Conference on Frontiers of Information Technology, Abbottabad, Pakistan, [ACM](#) New York, NY, USA ©2009, Dec 16-18, 1009

2010

- “*Mathematics in Image Processing: A Case-study for Edge Detection*” ICMS2-2010, International Conference on Mathematical Sciences, Kuala Lumpur, Malaysia, 30Nov.-03 Dec., 2010
- “*Jawi OCR: Opportunities and Challenges*” GMS'10, Graphics and Multimedia Symposium 2010, University Tenaga Nasional, Kajang, Malaysia, Nov. 29, 2010

Journal Publication

- “A Finite State Model for Urdu Nastalique Optical Character Recognition”. International Journal of Computer Science and Network Security, Vol. 9, No. 9, September 2009, pp. 116-122

PRESENTATIONS/ SEMINARS

- “Problems of Nastaliq OCR: A comparison of Nastaliq and Roman script OCRs” ICCCE 06 , International Conference on Computer and Communication Engineering, Kuala Lumpur, Malaysia, May 2006
- “Research work on Nastaliq OCR”, Computer Vision Lab, University of Central Florida, USA, November 2006,
- “Nastaliq Optical Character Recognition”. ACM SE 2008 Conference, Auburn University, Auburn, Alabama, USA, March 2008
- “Implementation Challenges for Nastaliq Character Recognition”, IMTIC 2008, International Multitopic Conference, Mehran University of Engineering & Technology, Jamshoro, Pakistan, April 2008
- “Segmentation of Nastalique Script for OCR”, ICOCI-2009, International Conference on Computing & Informatics, Kuala Lumpur, Malaysia, June 2009
- “Jawi OCR: Opportunities and Challenges” GMS’10, Graphics and Multimedia Symposium 2010, University Tenaga Nasional, Kajang, Malaysia, Nov., 2010
- “Mathematics in Image Processing: A Case-study for Edge Detection” ICMS2-2010, International Conference on Mathematical Sciences, Kuala Lumpur, Malaysia, Dec., 2010

RESEARCH INTERESTS

- Optical Character Recognition
- Arabic Script languages in ICT
- Digital Image Processing
- Speech Recognition

PERSONAL INFORMATION

- Nationality : Pakistani
- Father's name : Dr. Abdul Ghaffar (Late)