

Prof. Dr. Najmi Ghani Haider

Department of Computer Science & Information Technology
NED University of Engineering & Technology
Karachi

Tel: (021) 99261261 Ext: 2399
E-mail: chairsit@neduet.edu.pk

Education

- 1989 Ph.D Neural Networks & Speech Recognition
Brunel University, UK.
- 1983 B.Sc (Honours) Electronic Engineering
University of Hull, UK.

Professional Experience

February 2010 – NED UET Karachi, Pakistan
Professor and Chairman, Dept. of Computer Science & Information Technology.
Managing all the activities of the Department, lecturing students at Bachelor and Master levels, and supervising a PhD research scholar. Also served as Computer Science Expert to FPSC and State Bank of Pakistan. Involved in the formulation and implementation of a new B.E. Software Engineering programme commenced from Spring Semester 2011.

August 2009 – December 2009 FAST NUCES Karachi, Pakistan
Adjunct Faculty: Adjunct Professor, Dept. of Computer Science.
Taught Artificial Intelligence course to BSCS and MSCS students. Also supervised BS Final Year Project and MS Research Survey students.

August 2009 – December 2009 PNEC NUST Karachi, Pakistan
Adjunct Faculty: Dept. of Electronic and Power Engineering.
Taught “Neural Networks in Control” course to PhD students.

2003 – April, 2009 SZABIST Karachi, Pakistan
Full time Faculty: 2007- April 2009 Professor and Head of Dept. of Computing.
Adjunct Faculty: 2003 - 2006.

Member of HEC National Curriculum Revision Committee as SZABIST representative.
Member of HEC Research Journal evaluators pool for recognition of research journals by HEC.

Editor Journal of Independent Studies and Research on Computing (JISR-C), SZABIST.
PhD Program Coordinator.
Headed team for preparation of documentation submitted to National Computing Education Accreditation Committee (NCEAC) for Accreditation of the BS Computing programs at SZABIST.

Teaching MS/PhD Computer Science courses: Speech Recognition, Digital Image Processing, Cryptography, Computer Architecture, Analysis of algorithms, Artificial Intelligence.
Adviser MS Thesis, Independent Study: Guiding students on topics in speech recognition, image processing, neural networks and cryptography.
Serving on MS Thesis Evaluation Committee.

**Professional
Experience**

1990 –

Cybertech (Pvt) Ltd.

Karachi, Pakistan

Chief Executive Officer

Founding partner in CompuTechnics, a partnership firm established in 1990 for purpose of providing services and solutions in IT from an independent platform to professional organisations in Pakistan. In 1995, Computechinics was incorporated as a Private Limited Company under the name of Cybertech (Pvt) Ltd., of which I am the present Chief Executive Officer.

In the course of operating my own Company, I have gained rich and varied experience:

Software Development

- Direct involvement in the development of several application software customised to clients needs.
- Project Management: planning and managing the design, build, testing, implementation and n phases, determining deliverables, delivery schedule and assignment of resources.
- Managing the Software Development Team.
- Conducting system study to ascertain the problem and its scope.
- Determining user requirements.
- Conducting detailed analysis of the desired system,
- Preparation of design documents applying SSADM methodology.
- Developed applications for Insurance, Stock Exchange, Accounts, Personnel & Payroll, Inventory, Purchasing, Imports, Exports, and Distribution.

- Applications developed on ORACLE and C for UNIX and Windows (3.1, 95 and NT) environments.
- Thorough working knowledge of C and three generations of ORACLE RDBMS (V5, V6, V7, V8i, 10G) and development tools (SQL*Plus, SQL*Forms V2, V3, Oracle Forms V4.5, SQL*Report, SQL*ReportWriter V1.0, V1.1, Oracle Reports V2.5, Oracle Graphics V2.5), and also writing programs using UNIX system resources such as shared memory, semaphores.

Technical Support

- Managing the Technical Support Team, and also providing assistance to clients using our products.
- Providing assistance on UNIX, ORACLE, Windows, LAN during setup or operational problems.
- Recovery from OS, database crash.
- Assistance in coding of programs (ORACLE, C) by third party.

System Administration

- 12 years system administration experience on SCO UNIX (installation, operational and recovery). Also some exposure to AIX.
- 3 year experience on Windows NT.
- LAN comprising UNIX and Windows NT servers and Windows clients through TCP/IP.
- Setup and management of UUCP, Windows communications, and electronic mail.

Database Administration

- 15 years database administration experience on ORACLE V5, V6, V7, V8i and 10G (installation, operational and recovery), including distributed databases.

Training

- Conducted several training programmes for clients in Karachi:
 - i. UNIX - user and system administration
 - ii. ORACLE - development tools and database administration.
 - iii. C programming.
 - iv. Office Automation.
- Conducted training assignments on ORACLE in Gulf countries on behalf of ORACLE Middle East and IBM Pakistan.

**Professional
Experience**

Consultancy

- Evaluating clients problems and proposing solutions:
 - i. Business computerisation for first time.
 - ii. Upgrading/replacing existing systems (including Y2K).
 - iii. Business continuity.
- Determining hardware and software requirements, and configuration.
- Evaluating, and coordinating with hardware and software suppliers selected.
- Preparing implementation plans and managing its execution.
- Assisting other software development teams in various phases of software development process.
- Assisting clients in assessing candidates for recruitment of IT staff.

1989 – 1990 Oracle Pakistan (Pvt) Ltd. (Subsidiary of Oracle USA) Karachi, Pakistan

Senior Software Engineer

- Provided Technical Support to clients on various hardware platforms and operating systems (installation, administration, recovery from crash, guidance in using development tools).
- Acquired a thorough working knowledge of ORACLE RDBMS and software development tools.
- Worked on projects involving interfacing of ORACLE tools with C.
- Training of clients software development team.

1986 – 1989 Brunel University Uxbridge, Middlesex, UK.

PhD Research

Conducted research on Computer Speech Recognition using a neural network to label phonemes segmented from the speech signal. The work was done extensively in C under UNIX. The research was funded by a Scholarship from the Ministry of Science & Technology, Govt. of Pakistan.

1983 – 1986 S. A. H. Institute of Electronics Lahore, Pakistan

Electronics Engineer

- Worked on development of a text editor for Urdu (National Language of Pakistan) for the IBM PC which had just been introduced in the PC market. Programmed in BASICA (compiler) and 8086 Assembler.
- Worked on microprocessor based projects (design, build and programme).
- Designed and built several electronic gadgets (ultra sonic movement detector, water pump controller).

Awards received

Awarded Scholarship from Ministry of Science & Technology, Government of Pakistan for research leading to PhD.