

# HUSAIN MUHAMMAD DAWOOD

## EDUCATION

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2004 - 2007

Niederrhein University of Applied Sciences. Mönchengladbach, Germany  
*Masters in Textile & Clothing Management.*

*(Secured 2.2/5 CGPA according to German Grade Point system)*

1998 - 2002

NED University of Engineering & Technology, Karachi, Pakistan  
*Bachelors in Textile Engineering*

*(With 78%)*

## PROFESSIONAL EXPERIENCE

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### **2007 March – Till Date**

Dept. of Textile Engg., NED University of Engg. & Tech., Karachi , Pakistan  
*Assistant Professor*

Delivering Special Lectures on Knitting Technology at undergraduate level under the heading of following subjects

- TE 402: Advance Fabric Manufacturing Mechanism
- TE 302: Textile Fabric Manufacturing Process

Delivering lectures at Graduate level on

- TE 515: Technical Textiles

Further, I am

- Currently involved in installation and commissioning of machines in Yarn manufacturing and Fabric manufacturing laboratory. Machines include are Projectile Weaving Machine, Staubli Jacquard, Lap former and Comber.
- Actively involved in the planning & Selection of Machinery for departmental new textile laboratories.

### **2003 Jan – 2004 Sept**

Dept. of Textile Engg., NED University of Engg. & Tech., Karachi , Pakistan  
*Lecturer*

Delivered Lectures on following subjects:

- TE 307: Textile Product Evaluation I
- TE 302: Textile Fabric Manufacturing Process.
- TE 402: Advance Fabric Manufacturing Mechanism

Conducted Practical of following subjects:

- TE: 402: Advance Fabric Manufacturing Mechanism
- TE: 302: Textile Fabric Manufacturing Process
- TE: 102: Polymer & Fiber Science

Further, I was

- Incharge of Weaving & Knitting Labs.
- Also the class advisor of final year, Textile engineering.
- Actively involved in the Planning & Selection of machinery for new departmental textile laboratories.

#### **2002 Sept - 2002 Dec**

Research & Technology Centre, SULTEX AG, Rüti, Switzerland

*Trainee Engineer*

- The subject of this training was to develop a software code in a MATLAB environment, which helps mechanical engineers to design and to optimize cam mechanisms. It is *GUI* based software and uses existing toolboxes for mathematical optimization. It is user friendly and relieves engineers from learning programming techniques and mathematics of cam theory.

#### PROJECTS / REPORTS

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- Graduate thesis is related with wearable health monitoring systems and entitled **“Development of Intelligent baby clothing”**. In this thesis the idea of designing baby clothing is discussed and textile knitted sensor base is developed. This sensor base can be integrated at Ribcage and Abdomen area keeping in view the pattern and size of baby clothing to monitor respiration by measuring the movement of Rib and Abdomen wall.
- Under graduate thesis on **“Analysis of Projectile loom’s picking mechanism by using CAD/FEA” (2001)**. Pro-E is used to model some important components of picking mechanism & analysis is done in Ansys. Optimum machine settings of Projectile Machine is also discussed in it.
- Feasibility report writing of a “knit dyeing unit” under the subject of Engineering Economics in Third Year (2000), bachelor of Textile Engineering.
- Have prepared a report regarding “Creation of imaginary company in china with feasibility studies, mentioning possible oppositions, problems and concerns in terms of Cross Cultural Context” in the 1st semester (2004) of Masters.
- Have developed a “Purchasing Strategy for a Traditional German Fashion Retailing Chain under Special Consideration of E-Procurement” as Masters 1st semester (2004) project. My part was related with the market analysis and positioning.
- Have done project " Dyeing & Finishing of Jeans" as Lab practice in 2nd semester of Masters (2005). Core objective is to get acquainted with the Denim Dyeing & Finishing techniques & to develop jeans as final product.
- Have done Project "Microscopy & Image Processing of Knitted Fabrics" in 3rd semester of Masters (2005) for the European Union project “e-Text”. Main objective was to develop a portal for knitting technology, incorporating images & animations in context of E-learning.

## INTERNSHIPS

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- Two weeks Internship at Naqshbandi Textile Mills, Karachi. The objective was to get the process and production knowledge of Towel manufacturing.
- Two weeks Internship at Crescent Greenwood Limited, from 29th January 2001, which is textile denim manufacturing composite unit located in Pindi Bhattian, Punjab, Pakistan. Major area of concern was the Denim & Jeans manufacturing process step by step right from the selection of cotton till Jeans washing & Pressing.
- One month Internship at Weaving Department of Al-Karam Textile mill, from 18th June 2000. Major area of concern was the development of weaving Plan & implementing Optimum machine settings of Projectile weaving machine for respective fabric quality.
- Four weeks of working experience of erecting spinning & weaving laboratories at NED University of Engineering & Technology during final year of Textile Engineering. Machines include Airjet Weaving machine, Rapiert weaving machine, Carding machine, Draw frame, Simplex frame, Ring frame, and Cone winder.
- Six weeks Practice at Clariant Dyes and Chemicals, Karachi, including Pretreatment, Dyeing, Printing & Finishing Processes at Laboratory scale.

## TRAINING / WORKSHOP

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- 3 days interactive training on Textile Jacquard weaving software i.e. YXENDIS at NED University of Engineering & Technology, Karachi in March 2007.
- 3 months workshop regarding **“Teaching & Learning in Higher Education”** at Higher Education Commission, Islamabad, Pakistan from 19th April to 16th July 2004.
- 4 Weeks training on “Design of experiments” at NED University of Engineering & Technology, Karachi, starting from 5th May 2003.
- 1 Week workshop on Matlab 6.0 & Simulink at NED University of Engineering & Technology organized by CCEE, Karachi in April 2003.
- One week Interactive workshop on Fabric Weave Designing through EAT Jacquard Software at SMA Rizvi Textile Institute, Karachi in March 2003.
- One week Textile setting course at Projectile weaving machine at Training Centre, SULTEX AG, Rueti, Switzerland in November 2002.
- 3 months Extensive German Language course from GOETHE Institute, Karachi in March 2002.

## PROFESSIONAL INTERESTS

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- 3D Weaving
- Fabric Analysis
- Programming in MATLAB
- Technical Textiles at Fabric manufacturing Level (Weaving, knitting, Braiding & Nonwovens)
- Clothing technology

## SEMINARS

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- Have attended 32nd Aachen Textile Conference, 23-24 November 2005, Aachen, Germany.
- Have attended a seminar on “ISO – 9000 and ISO–14000 systems”, May 12, 2002, Sheraton hotel, Karachi, Pakistan, organized by Pakistan Institute of Quality control.
- Have attended “International Symposium on Vibration Monitoring & Diagnostic“, February 16, 2002, organized by NED University of Engineering & Technology.

## COMPUTER SKILLS

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- Windows XP, MS office, MS project
- Matlab, YXENDIS Jacquard, Grafis, Minitab
- Mechanical Desktop, AutoCAD

## PROFESSIONAL MEMBERSHIPS/CERTIFICATIONS

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- Member of Textile Institute, UK.
- Member of Pakistan Engineering council.
- Microsoft Certified Professional (M.C.S.E. Track 4.0)

## EXHIBITIONS

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- Have attended following exhibitions
- Medica 2007 Nov, Messe Düsseldorf, Germany
- IMB 2006 June, World of Textile Processing , Messe Cologne, Germany
- TechTex 2005, Messe Frankfurt, Germany
- CPD show, Feb 2005, Messe Düsseldorf, Germany.
- HeimTextil 2005, Messe Frankfurt, Germany.
- ITME 2003, NEC Exhibition Centre, Birmingham, UK

## PERSONAL SKILLS

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- Problem solving, leadership & communication skills are some of the qualities developed from my professional experience.

- Effective Learning, written & verbal skills
- Work well in an environment that encompasses teamwork and new experiences
- Highly motivated & hardworking.

#### LANGUAGES

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- Fluent in English, Urdu
- Little knowledge of German

#### HOBBIES

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- Reading Textile Journals
- Travelling
- History & Geography
- Fashion Designing

#### PERSONAL INFORMATION

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- Nationality: Pakistani
- Age : 31 years

#### REFERENCES

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