Nafis Ahmad

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OBJECTIVE:

To be involved in highly creative and frontline research work as well as teaching university students and industry professionals.

PERSONAL DATA

Date of Birth: July 17, 1971
Place of Birth: Brahmanbaria, Bangladesh
Nationality: Bangladeshi
Marital Status: Married

TEACHING EXPERIENCE

AUGUST 2002- TILL TO DATE

ASSISTANT PROFESSOR

Department Of Industrial & Production Engineering,
BUET, Dhaka, Bangladesh

SEPTEMBER 1997- JULY 2002

LECTURER

Department Of Industrial & Production Engineering,
BUET, Dhaka, Bangladesh

Conducted courses for undergraduate students:

Production Process/Manufacturing Process
Engineering Graphics
Programming with C/C++
Machine Tools
Measurement and Quality Control

COURSE TEACHER

The Institute of Cost And Management Accountants of Bangladesh (ICMAB)
Dhaka-1000, Bangladesh
Conducted course: Production Technology

COURSE TEACHER

Institute of Information and Communication Technology (IICT)
BUET, Dhaka-1000, Bangladesh
Conducted course: Introduction to PC hardware and Software

EDUCATION

1997–2001 **M. Engg. (Industrial & Production)**

Bangladesh University Of Engineering. & Technology, Dhaka

1990-1997 **B.Sc. Engg. (Mechanical)**

Bangladesh University of Engineering. & Technology, Dhaka

1988-1990 **Higher Secondary School Certificate (HSC)**

Residential Model College, Dhaka, Bangladesh

1986-1988 **Secondary School Certificate (SSC)**

Nasirabad Collegiate School, Mymensingh, Bangladesh

SCHOLARSHIPS/AWARDS

Scholarships in Primary, Junior Secondary, Secondary, Higher Secondary public examinations
Merit scholarship (BUET), technical scholarship (BUET)

TRAINING/SHORT COURSE

1. Industrial training (part of the UG program)
   Venue: Siddhirgonj Power Plant, Narayangonj, Dhaka, Bangladesh.
   Objective: To study the operation of different units of a power plant.
   Duration: one month
2. Short course on "Programming in C/C++ and its Application"
   Venue: Islamic Institute of Technology (IIT), Gajipur, Dhaka, Bangladesh
   Objective: Intensive study and practice C/C++ programming language
   Duration: 21/11/1998 to 02/12/1998
3. Teachers' Appreciation Workshop
   Vanue: Council Building, BUET
   Objective: Workshop on Teaching techniques/Methodologies, university rules regulations etc.
   Duration: 14-15 September 2001

PROFESSIONAL AFFILIATION

1. Member- Institute of Engineers, Bangladesh (IEB)
2. Member- Bangladesh Society of Mechanical Engineering (BSME)
3. Member- Bangladesh Association for the Advancement of Science (BAAS)
4. Member-Association of Industrial and Production Engineers (AIPE).

COMPUTER PROFICIENCY

1. *CAD Software*-AutoCAD, Mechanical Desktop®; (Teaching UG students)
2. *CAM Software*-Mastercam;
3. *Analysis Software*-ANSYS,Arena, Matlab (Used for M.Engg. Project);
4. *Programming Software*- FORTRAN, C/C++ (Teaching UG students)
5. *Operating Systems* - DOS and Windows 3.1, 95, 98, 2000 and Linux

INDUSTRIAL PROJECT INVOLVEMENTS

1. Design modification of a 3000 liter jacked vessel by heat and stress analysis for a local pharmaceutical Company.
2. Technical and Economic evaluation of machineries of National Laboratory Ltd.
3. Technical and Economic evaluation of machineries of Lotus Kamal Spinning Mills Ltd.

LIST OF PUBLICATION

1. **Ahmad, N**. and Haque, A.F.M.A., "Artificial neural network based process selection for cylindrical surface machining", International Conference on Manufacturing, August 09-11, 2002.
2. **Ahmad, N**. and Haque. A.F.M.A., "Optimization of process planning parameters for rotational components by Genetic Algorithm", International Conference of Mechanical Engineering, December 26-28, 2001.
3. **Ahmad, N**. and Haque, A.F.M.A., "Manufacturing feature recognition of rotational part using DXF file", International Conference of Mechanical Engineering, December 26-28, 2001.
4. **Ahmad, N**., et. al., "Current trend in computer aided process planning", 2nd International Conference & 7th Annual Paper Meet of Mechanical Engineering Division of IEB, October 26-27 2001.

PRESENTATIONS

1. Artificial neural network based process selection for cylindrical surface machining, International Conference on Manufacturing, August 09-11, 2002.
2. Optimization of process planning parameters for rotational components by Genetic Algorithm, International Conference of Mechanical Engineering, December 26-28, 2001.