

Dr. Munir Ahmed

Assistant Professor

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Academic Qualification:
(In chronological order)

Ph. D. (Mechanical Engineering)
Mechanical Engineering Department
NED University of Engineering and Technology, Karachi,
Pakistan, *October 2022*

M. A. Sc., Mechanical Engineering, University of Toronto,
Toronto, *November 1998*.

B. E., Mechanical Engineering, NED University of
Engineering and Technology, Karachi, *April 1992*.

Experience:

2007–present: Assistant Professor, NED University of
Engineering and Technology, Karachi, Pakistan

2003 – 2007: *Manufacturing/Design Engineer*, Salford
Group, Inc., Salford, Ontario, Canada.

2002 – 2003: *Manufacturing/Design Engineer*, Accuride
Canada Inc., London, Canada.

2000 – 2002: *Industrial Engineer*, Oxford Automotive
Canada Inc., Chatham, Canada.

1999 – 2000: *Industrial Engineer*, AGS Automotive,
Scarborough, Canada.

1996 – 1998: *Research Assistant*, Department of
Mechanical and Industrial Engineering, University of
Toronto, Toronto, Canada.

1993 – 1995: *Development Engineer*, Trans Mobile
Limited, Karachi, Pakistan.

Professional Membership: Member of Pakistan Engineering Council, Pakistan

Honors & Awards:
(if any)

Research Assistant Award, Department of Mechanical and
Industrial Engineering, University of Toronto, 1996-1998

Chairman of Technical Committee of Pakistan Standard
Specification for Internal Combustion Engine (PS-1806),
PSQCA, Karachi.

**Conference, Presentation
& Course Attended:
(if any)**

Acquired certification CSCP, APICS, Chicago, USA, 2006

Attended a two-Weeks' Seminar on Membrane Technology, MED, NED UNIVERSITY OF ENGINEERING & TECHNOLOGY, Karachi, 2009

Attended an extensive course, P-CEPT, NED Academy, NED UNIVERSITY OF ENGINEERING & TECHNOLOGY, Karachi, 2011

Attended a three-Days' Course on Alternate Energy Liquid Fuels, NED Academy, NED UNIVERSITY OF ENGINEERING & TECHNOLOGY, Karachi, 2012.

Attended a five-Days' Course on Business Process Simulation using Witness, IMD, NED UNIVERSITY OF ENGINEERING & TECHNOLOGY, Karachi, 2012

Attended a one-Day International Conference on Energy and Sustainability, MED, NED UNIVERSITY OF ENGINEERING & TECHNOLOGY, Karachi, 2013

**Publications:
(if any)**

Computational Modelling of in-Cylinder Combustion and Emission Performance of a Single Cylinder Direct Injection Compression Ignition Engine, PhD Thesis, 2022, NED University of Engineering & Technology, Karachi, Pakistan.

Munir Ahmed, Muhammad Shakaib and Mubashir Siddiqui, Analysis and comparison of flow velocities and in-cylinder temperature distributions to quantify oxides of nitrogen in a compression ignition engine using diesel and biodiesel fuels, 2022, JEDT.

Munir Ahmed, Muhammad Shakaib and Mubashir Siddiqui, NOx formation quantification inside a combustion chamber using computational fluid dynamics (CFD), 8th International Mechanical Engineering Conference, 2018, IEP-NED University, Karachi, Pakistan.

Munir Ahmed, Nazimuddin Qureshi and Ahmad Hussain, Investigations on the performance of diesel engine using various biofuels and their blends, 3rd National Conference on Energy and Environment, 2008, QUEST, Nawabshah, Pakistan.

Munir Ahmed, , Experimental study of paint removal due to particle impact, M. A. Sc. Thesis, 1998, Department of Mechanical and Industrial Engineering, University of Toronto, Canada.