

Dr. Naveed Hussain H

Associate Professor, Dean Research & Consultancy
MMANTC, Malegaon, Nashik

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PhD, M. Tech & B. Tech with **20+ YEARS** OF EXPERIENCE IN **TEACHING (Metallurgy/Materials)** and in **I.T Software** Industry

TOTAL EXPERIENCE : 21+ Years

TEACHING EXPERIENCE : 7.8 Years

Location : Chennai

INDUSTRIAL EXPERIENCE : 14 Years

1. Academic Qualifications :

Degree	Specialization	Name of the School / College	Year of Passing/ Award	Part Time / Full Time / Distance Mode
Ph D	Materials Technology	IIT Bombay	July 11 th 1996	Full Time
M. Tech	Materials Technology	IIT Bombay	July 27 th 1990	Full Time
B.E	Metallurgy	PSG College of Technology Coimbatore	May 26 th 1988	Full Time
HSC	Science/Maths	Vanavani Matriculation and Higher Secondary School, IIT Madras	June 7 th 1983	Full Time
SSLC	Science/Maths	Vanavani Matriculation & Higher Secondary School, IIT Madras Campus Chennai	June 26 th 1981	Full Time

2. Work Experience (Total Years: 21 Years, 9 Months +)

Teaching Experience: 8 years, 5 months (see annexure for IT experience)

Sl. No.	Institution / Industry Name	Position / Title	From	To	No. of Years & Month
1	MMANTC (Maulana Mukhtar Ahmed Nadvi Technical Campus), Malegaon Nashik	Currently Associate Professor and Dean Research & Consultancy wef Sept 1 st 2022 ----- Principal In charge WEF January 1 st 2022 to 31 st Aug 2022	1 st April 2021	To date	25 months
2	National Institute of Technology, Warangal, Handled PG Courses: <i>Aerospace Materials/ Industrial Heat Treatment</i>	Ad-Hoc Faculty, Metallurgical and Materials Engineering	Aug 1 st 2019 Dec 23 rd 2019	Dec 13 th 2020 May 8 th 2020	9 months (approx)
3	IBRI College of Technology, Under Ministry of Manpower, Oman	Lecturer	Aug 29 th 2016	Jan 24 th 2019	2 Years 4 M 27D
4	B.S Abdur Rahman University (now BSA Crescent Institute of Science and Technology), Vandalur, Chennai	Associate-Professor, Mechanical Engineering	Jun 16 th 2014	July 29 th 2016	2 years 1 M 14 D
5	NIT Trichy	Temp Faculty, Metallurgical and Materials Engineering	Feb 28 th 2014	Jun 13 th 2014	3 months 14 D
6	Crescent Engineering College, (Now BSA Crescent Institute of Science and Technology), Vandalur, Chennai	Senior Lecturer Mechanical Engineering	Aug 16 th 1996	July 9 th 1997	10 months 25 D

(INDUSTRIAL EXPERIENCE) : INDIA / USA / AUSTRALIA

Industry Experience 14 years 1 Month 14 Days

Sl. No.	Institution / Industry Name	Position / Title	From	To	No. of Years & Month
1	Mphasis An HP Company, India and USA	Project Delivery Lead	May 30 th 2005	April 30 th 2013	7 Years 11 M 1 D (7.92 y)
2	CS Software Solutions Pvt Ltd, India and USA	Senior Dataware house Consultant	Aug 25 th 2003	May 27 th 2005	1 year 9 M 3 D (1.75 Y)
3	Seeraj Family Homes Inc, Alabama, USA	Computer Specialist	April 8 th 2002	Sept 30 th 2002	5 months 23 D
4	Department of Finance, Information Services Division, State of Alabama, USA (Clients of CEI)	Contract Programmer Analyst (from CEI, Pittsburgh)	March 10 th 1998	Feb 26 th 2002	3 years 11 M 17 D

4. UG/PG Courses Taken/Additional Duties

PG Courses:

- (a) Aerospace Materials (Composites, superalloys etc)
- (b) Nuclear Technology
- (c) Industrial Heat Treatment (for aerospace and automotive applications)
- (d) Advanced Experimental Techniques Laboratory
- (e) Applied Materials Engineering
- (f) Class Advisor for first year PG students
- (g) Accreditation support Master programs in Engineering
- (h) Project support
- (i) Project Based Learning

UG Courses:

- (a) Engineering Materials and Metallurgy,
- (b) Engineering Graphics
- (c) Engineering Workshop
- (d) Applied Mechanics,
- (e) Basic Engineering Mechanics,
- (f) Materials Testing Laboratory
- (g) Manufacturing Technology
- (h) Non Destructive Testing and Quality Control
- (i) Metallography Lab
- (j) Class Advisor duties
- (k) Materials Characterization Laboratory

5. Courses handled at MMANTC:

Object Oriented Programming
Composite Materials
Numerical and Statistical Methods (Theory and Term Work)
Mechanical Engineering Materials (Theory and Lab)

6. Patents / Publications / Conferences: 12

Publication Details of Naveed (Provide only the count. Attach the details as an Annexure)

Category	Patents Applied	Journals	Conferences	Books/ Chapters
National	5	--	--	
International	--	3	2	3

Google Scholar ID: <https://scholar.google.com/citations?pli=1&user=Sz5GUEwAAAAJ>

7. Personal Details:

Email ID: naveed.mmantc@gmail.com

Mobile Number: (+91) 9790830823

Patents (4 Numbers):

As Principal Investigator

1. Solar Radiation Furnace for Melting Non-Ferrous Aluminum and its Alloys, Provisional patent filed on May 6th 2022. Application No: 202221026487, Patent Office at Mumbai.
Status: Filed only
2. Heat Treatment Method for Magnesium-Zinc-Copper (ZC71) Alloy and Composites, The Patent Office Journal, Indian Patent Office, Issue No: 41/2016, Page 69441, September 30th 2016. Application Number: 201641029056, CBR No: 21606 Filing Date: August 26th 2016 with Indian Patent Office, Chennai, India
Status: Filed and Published
3. Portable Jominy End-Quench Test Apparatus, Provisional Patent filed on June 3rd 2023, Application Number: 202321038292, Indian Patent Office. Mumbai

As Co-Investigator:

4. Handicapped Solar Car Wash Unit, Full patent filed on 29th June 2022.
Patent Application Number: 202241037428, Indian Patent Office.
5. Solar furnace and stove using fresnel lens and mirrors, Provisional Patent filed on 22nd Nov 2022. Patent Application Number: 202221066957, Indian Patent Office.

International Journals:

1. Naveed Akhtar, Tarique Ahmad b, Dilawar Husain, Ali Majdi, Md Tanwir Alam, Naveed Husain Abhay Kumar S. Wayal, “Ecological footprint and economic assessment of conventional and geopolymer concrete for sustainable construction”, (SCI Paper) Journal of Cleaner Production, Volume 380, Part 2, 20 December 2022, 134910
2. M. Ragavendran, M. Vasudevan, N. Hussain, “Study of the Microstructure, Mechanical Properties, Residual Stresses, and Distortion in Type 316LN Stainless Steel Medium Thickness Plate Weld Joints”, Journal of Materials Engineering and Performance, Published on 2022-1-21, Springer US, Pages 1 – 13, SCIE indexed, <https://doi.org/10.1007/s11665-021-06534-1> (SCI Paper)
3. Naveed Hussain et al, “Implementation of Strategic Tools to Promote Student Centered Learning Activities in Engineering”, International Journal of Engineering Research and Technology, IJERT, Vol.7, Issue 3, March 2018, pp181-184
<https://www.ijert.org/research/implementation-of-strategic-tools-to-promote-student-centered-learning-activities-in-engineering-IJERTV7IS030110.pdf>

Conferences

1. Hussain N., "Studies on Carbon Fiber Reinforced Aluminum Based Composites", SAE Technical Paper 2017-28-1984, 2017, doi:10.4271/2017-28-1984. SAE Technical Paper Reference Number: 17ADMMS-0143, International Conference on Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility
<https://doi.org/10.4271/2017-28-1984> ISSN: 0148-7191 e-ISSN: 2688-3627 (Scopus/UGC-Care)
2. Sher Afghan Khan, Mohammad Asadullah, Naveed Hussain, Syed Aslam, Manzoore Elahi M Soudagar, Kamran Raza Khan, “Controlling oscillations behind high-speed vehicles”, Third International Conference on Recent Advances in Materials and Manufacturing, Paper No: EMTP 3034, 26-11-2021 DY Patil College of Engineering and Technology, Kolhapur, Maharashtra, India.
<http://icramm.com/third-edition-icramm-2021>

International Conferences:

Member of Organizing Committee in “International Conference on Science, Technology and Sustainability (ICSTS-2022) held on 5th to 6th November 2022 at MMANTC, Malegaon, Nashik

Books/Book Chapters:

Book Chapters:

1. Sajid Naeem, Dilawar Husain, Kirti Tiwari, Nayab Zafar, Md Tanwir Alam, **Naveed Hussain**, “Carbon Footprint of Pipe Production Using Waste Plastics”. In:

Muthu, S.S. (eds) Environmental Assessment of Recycled Waste. Environmental Footprints and Eco-design of Products and Processes. Springer, Singapore.
DOI: 10.1007/978-981-19-8323-8_1 (Scopus)

2. **Hussain N.** et al “Studies in the Plasma Processing of Aluminum Matrix SiC Fiber Reinforced Composites”, in book on “Proceedings, 2nd Plasma – Technik – Symposium,” Lucerne, Switzerland, Vol. 3 (Editors B.S. Susan et a), Plasma-Technik AG, Wohlen, Switzerland (5-7th June 1991) pages 109-114.
https://books.google.co.in/books/about/2nd_Plasma_Technik_Symposium.html?id=q-MkcgAACAAJ&redir_esc=y

Full Book:

3. Anwarullah Mohammed, Mohammad Asadullah Thakur, **Naveed Hussain**, “Thermal Management in Electronic Component using Jet Impingement”, LAP, Lambert Academic Publishing, London, UK, ISBN: 978-620-5-52840-2
ISBN-10: 6205528401, EAN: 9786205528402, Published Date: 2023-01-05
<https://www.morebooks.shop/shop-ui/shop/product/978-620-5-52840-2>
6. **Co-Supervisor/Guide for 3 PhD Scholars** (staff pursuing research on campus) and registered for PhD with BS Abdur Rahman Crescent Institute of Science and Technology, Chennai
7. **Membership in Professional Bodies:** Life Member ISTE (Indian Society for Technical Education)

8. Honors and Award:

1. Best Project Award for UG project entitled "Foundry System Model" awarded by Sharp Tools out of all the B.E projects submitted in Metallurgy Department of PSG College of Technology, 1987
2. Hallmark certificate awarded April 2004 for Successful completion of Phase 1 of complex Data warehouse project to save multiple millions of dollars/year for Hallmark company in USA
3. Certificate of Appreciation issued by “Electronic Data Systems (India) Pvt Ltd. For dedicated and committed contribution to the delivery of Telstra Applications in 2005 in Melbourne, Australia
4. Certificate of Achievement on successful completion of Kepner-Tregoe Resolve Workshop (Problem Solving and Decision-Making Workshop-KT Resolve) presented by EDS Education Centre 5-8 June 2006

SUMMARY OF SKILLS & EXPERIENCE:

Dr. Naveed Hussain is an educational consultant, researcher and professor (Currently as Dean Research & Consultancy at MMANTC) with experience in diverse fields which includes teaching mechanical, design and materials engineering related courses. Filed patents in the field of

mechanical engineering.

Has a proven track record of developing and implementing strategic plan to promote student centered learning, activity-based learning.

Developed strategic techniques to eliminate plagiarism/copying among students using modern day social media tools.

Automated generation of multiple, challenging assignments, tutorials, examination questions and answer keys each unique for every individual student with the utilization of software packages/utilities. He has also developed assessment strategies, plans and criteria to help staff in doing a fast and fair assessment of students in accordance with their performance.

Responsible for achieving the set learning outcomes in students. Experienced in online and classroom teaching using smart boards, e-learning, Gnomio and moodle platforms.

NBA Accreditation exposure and experience at NIT Trichy and in Oman Colleges

Other Relevant and Critical Information

- Have more than 14 years of experience in IT industry **that can be applied to e-learning** and improving the teaching-learning process
- Implemented **STUDENT CENTERED LEARNING in Oman**. Published a paper and practically implemented the concepts at IBRI College of Technology, Oman
- Adopted **project based and experiential learning** methodologies.

Sample Activity Based Learning and Teaching in Oman (Video Clip):

<https://youtu.be/6hn7k3uF8UA>

- **Accreditation Experience:**


Familiar and worked on Institutional Accreditation process with quality assurance documents , Institution Standard Assessment (ISA) OAAA standard in Oman

9. Staff Development Programs/Workshops/Presentations Conducted/Attended:

1. Convener for 8 days program “Job Oriented Course on English Speaking and Writing Skills” Aug 27th to Sept 3rd 2022, MMANTC, Malegaon, Nashik (Conducted nationwide both online and offline mode)
2. Conducted FDP on Topic: “Strategic Tool to Implement Student Centered Learning Activities in Engineering”, held on November 2nd 2017 at Engineering Department of IBRI College of Technology, Oman <https://www.ibriect.edu.om/photo-gallery-2017?program-on-strategic-tools-to-implement-scl-activities>
3. Conducted Research Presentation, Topic: “Research Scopes on Renewable Energy Applications”, held on April 26th 2018 at Engineering Department of IBRI College of Technology, Oman. <https://www.ibriect.edu.om/engineering-news-archive/item/594-research-scopes-on-renewable-energy-applications>

4. Participated in Workshop, Topic: “Writing Research Proposals”, held at IBRI College of Technology, Oman, Nov 1st 2017.
5. Awarded appreciation Certificate awarded by IBRI College, Oman for contributions in “Laboratory Arrangements & Training Students for Presentation”, April 27th 2017.
6. Participated in FDP on Topic: Solid Mechanics, Department of Mechanical Engineering, B.S. Abdur Rahman University, Chennai, June 20-25 2016.
7. Participated in Workshop on Topic: “Preparing Technical Teachers for Optimal Class Room Delivery Through English Language, in association with Cambridge English Language Assessment Centre at BS Abdur Rahman University, Chennai, October 28th 2016.
8. Participated in Workshop on Topic: “Friction Stir Processing of Aluminum Alloys and Composites”, A NRB Research Dissemination Workshop, held at IIT Madras, Chennai, March 5th 2015
9. Participated in FDP on Topic: Engineering Graphics, Department of Mechanical Engineering, B.S. Abdur Rahman University, Chennai, July 08-12, 2015.
10. Attended “Six Day Induction Programme” organized by Faculty Training Academy, BSAU, Chennai, from 2014-06-30 to 2014-07-07
(More to be updated later)

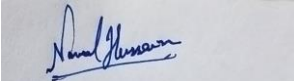
10. General Information

Name	Naveed Hussain H	
Gender	Male	
Marital Status	Married	
Father / Spouse Name	A. Hameed Hussain (Late)	
Mother Tongue & Languages Known	English, Arabic, Hindi, Urdu, Tamil	
Nationality	Indian	

11. References:

Available on Request

Place : **Malegaon, Nashik, India**



Signature of the Applicant