

Curriculum Vitae



Engr. Muhammad Sameer Khan

M.Engg. (Materials Engineering)

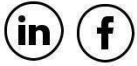
B.Engg. (Metallurgical Engineering)

Khansameer060899@gmail.com

www.linkedin.com/in/muhammad-sameer-k-b02560228

PERSONAL INFORMATION

Muhammad Sameer Khan



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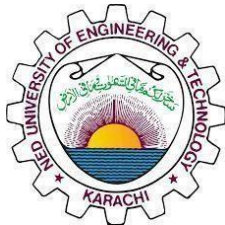
Khansameer060899@gmail.com

www.linkedin.com/in/muhammad-sameer-k-b02560228

Sex Male | Date of birth 6, Aug, 1999 | Marital status Single

EDUCATION

Oct 2022-Aug 2024



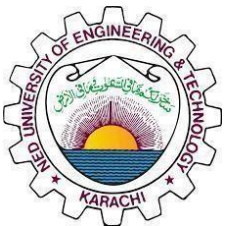
M.E. (Materials Engineering) (3.15/4.0 CGPA)

NED University of Engineering and Technology, Karachi (Pakistan)

Research Topic: "To develop a UV-blocking as well as anti-reflecting coating for Engineering Application"

Majors: Advance materials, Material characterizations Techniques, Phase transformations in metals & Alloys, Production of Ferrous & Non-ferrous, Composite Materials, Corrosion engineering, Heat treatment & Microstructure Evolution.

Nov 2017- Oct 2021



B.E. (Metallurgy Engineering) (2.78/4.0 CGPA)

NED University of Engineering and Technology, Karachi (Pakistan)

Thesis Topic: "Effect of level of cleanliness and grain size on impact strength of austenitic stainless steel"

Majors: Physical metallurgy, Mechanical behavior of materials, Inspection and testing of materials, Polymers and composite materials, Steel making, metallurgy of welding, Heat treatment of materials, Corrosion engineering, Fracture mechanics and failure analysis, Powder metallurgy, Advanced materials.

MEMBERSHIP

Life member Pakistan Engineering council (METAL/06498)

CONFERENCE

1st International Conference on Advances in Material Sciences and Environmental Engineering 2021 (ICAMSEE-2021)

WORK EXPERIENCE

Oct 2023 -Aug 2024



Researcher Student

Thin Film Lab NEDUET: “To develop a UV-blocking as well as anti-reflecting coating for Engineering Application”

- The develop a single layered coating that exhibits over 90% transparency in the visible region.
- To Develop a Sprayable coating that having UV blocking as well anti-reflecting properties.
- The coating should have high adherence to various surfaces such as glass, plastics, ceramics and metals.

Nov 2021-till date



Teacher

**The YES Schooling System
Karachi (Pakistan)**

Teaching

- To teach various courses at Secondary and Intermediate level.
- To develop science laboratories in the department.
- To conduct chemistry practical(s).

Jan 2025-till date



Visiting Teacher

**University of Karachi
Karachi (Pakistan)**

Teaching

- To teach various courses.

INTERNSHIP

Mar 2020-Mar 2020

Peoples Steel Mills., Karachi, (Pakistan)

Carbon Steel, Alloy Steel, inspection and testing

COURSES

Apr 2018-May 2019

The YES Schooling System., Karachi (Pakistan)

M.S Office (MS Word, MS Power Point, MS Excel)

Aug 2023-Nov 2023

DigiTech Synergy, Karachi (Pakistan)

Python for Data Science

PERSONAL SKILLS

Technical

- Synthesis and preparation of chemical and polymeric solutions
- Preparation of thin film coatings.
- Hands on knowledge of common coating techniques
- gas barrier coatings.
- Hands on knowledge of characterization and testing including barrier characteristics (OTR, WVTR measurements), OM, SEM, XRD, FTIR, Solar cell measurements, Bendability Tensile testing, hardness testing, fatigue testing etc.

Mother tongue

Urdu

Other language(s)

English (Fluent), German (Basic: A1), Chinese (HSK1)

Interests

Learning, teaching, exercising for fitness, reading books, watching cricket

REFERENCE

1- Research project and Master's thesis supervisor.

Prof. Dr. Iftikhar Ahmed Channa

Department of Metallurgical Engineering

NED University of Engineering

& Technology, Karachi Tel.

+923343416478,

Email: iftikharc@neduet.edu.pk

2- Bachelor's thesis co-supervisor.

Dr. Muhammad Rizwan

Department of Metallurgical Engineering

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