

# SYED MUHAMMAD YASIR ASHRAFI

Civil Engineer (PEC Registered Engineer)

House No. 302, Gulberg Town, Mirpurkhas

(+92) 301-5639114

sashrafi@cloud.neduet.edu.pk

44103-1457456-3



## OBJECTIVE

A young & well-groomed Civil Engineer, who can benefit you with his practiced in Civil Engineering Research. The aim is to conduct original and rigorous research in a specific area of civil engineering, to contribute new knowledge and understanding to the field, to advance the state-of-the-art in civil engineering, and to disseminate research findings through academic publications and presentations. Ability to maintain high standards of behavior, discipline, achievement and punctuality. Excellent time management skills for ensuring plans are completed efficiently contributed to academic organization by conducting research for enhancing institute's reputation as a research-led teaching institution.

## PROFESSIONAL AND RESEARCH EXPERIENCE

### Lecturer

**NED University of Engineering and Technology (TIEST), Campus, Mithi (June,2023 to Date)**

Working as a Lecturer at NED University (TIEST), Thar Campus, Mithi.

### Visiting Lecturer

**NED University of Engineering and Technology, Karachi (Oct, 2021 to Feb,2023)**

Working as a Visiting Faculty at NED University of Engineering and Technology, Subject:

- Soil Mechanics-II (Practical)
- Soil Mechanics I (Practical)
- Fluid Mechanics I (Practical)

### Job Responsibilities

- Teaching and Performing Practical
- OBE Assessment and Viva
- Examiner of Final Practical and Final Viva
- Open Ended Labs

### Final Year Projects:

Instructor for following Final year Projects:

- A.I Based Cost Prediction Model for Construction Projects with Risk Impact
- Computational Modelling of Risk Influencing Factors Over Cost in Pakistani Construction Industry

### Lecturer

**Indus University (Oct, 2021 to Date)**

Working as a Lecturer in Indus University in (Evening), Subjects are:

- Fluid Mechanics (Practical and Theory)
- Reinforce Concrete Structure
- Theory of Structures

### Job Responsibilities

- Teaching and Performing Practical
- OBE Assessment and Viva
- Examiner of Final Practical and Final Viva

## Research Assistant

**NED University of Engineering and Technology, Karachi (Dec, 2019 to Dec, 2021)**

Worked as a Research Assistant at NED University of Engineering and Technology Karachi, Pakistan. During this entire period, I worked on a Higher Education Commission (HEC), National Research Program of the University (NRPU) project for two years. During this entire period learned about:

- Conducting Literature Reviews
- Surveys for Data Collection
- Interviewed Construction Industry Experts
- Maintained the Record as Well as Safeguarding the Confidentiality of the Data,
- Analysis of Collected Data
- Supervise Undergraduate Students under the Particular Research Project
- Lead and Attended Project Meeting and Conferences
- Prepared Quarterly Progress Reports
- Use of Machine Learning Techniques and Artificial Intelligence in Civil Engineering
- Risk Management and Their Uses in the Construction Industry

Also have created a prediction model which can be used to predict the impact of risk events for construction industry projects using Artificial intelligence in MATLAB and to make it user-friendly I also have created a Graphical User Interface

## Site Engineer

**A.G Associates (Mar, 2019 to Dec 2019)**

Executing project by monitoring and implementing construction activities according to drawing and specifications. Meetings with client on construction of their projects. Budgeting of projects and quantity estimation of projects was also done in the experience.

## Project Engineer

**Pak Oasis Industries Pvt. ltd (Jan, 2018 to Mar 2019)**

**Project: The Greater Karachi Sewerage Treatment Plant KW&SB**

**Client: KW&SB**

**Contractor: Pak Oasis Ind. Pvt. Ltd.**

**Consultant: Techno Consultant**

The project was a Construction and Working of a Sewerage Treatment Plant. The capacity of this treatment plant would be 100 MGD. Civil, Mechanical and Electrical Engineering teams were working together for this Mega Project. Learning experience include:

- Executing project by monitoring and implementing construction activities
- Coordination with client in projector inspection and site related issues
- Coordination among other Engineering Teams (Electrical Mechanical)
- Coordination with Environmental Department teams
- Quantity estimation of the Project
- Meeting with client

## Internee Engineer

**NESPAK (May 2016- June 2016)**

Learned design and drawing of multi-storey building by using ETABS software as well as manually.

## EDUCATION

**MEM CONSTRUCTION MANAGEMENT (CGPA 3.70)**  
NED University of Engineering and Technology (April 2021)

**BE Civil Engineering (3.379)**  
NED University of Engineering & Technology (Nov 2017)

**HSC Pre Engineering (Grade A-1)**  
BISE Mirpurkhas (Sep 2013)

**SSC Science (Grade A-1)**  
BISE Mirpurkhas (Aug 2011)

## ADDITIONAL SKILLS

- Microsoft Office
- MATLAB
- SPSS
- GRASP
- PRIMAVERA P6
- ETABS
- AUTOCAD
- QUANTITY ESTIMATION
- Communication Skills
- Leadership

## PUBLICATIONS

### CONFERENCE PAPERS

- Identification of Major Risk Events for Construction Industry  
Ashrafi, S., Farooqui, R. U. and Saqib, M. Presented at “Construction in 21<sup>st</sup> Century 12” Aman, Jordan, May 16-19, 2022
- Water and Energy Retrofitting – A Case Study of Community Building  
Ashrafi, S., Farooqui, R. U. and Saqib, M. Presented at “Construction in 21<sup>st</sup> Century 12” Aman, Jordan, May 16-19, 2022

## CONFERENCES / WORKSHOPS

S No.	Title of Conference	CPD Point	Date
1	Procurement and Contract Management	1	25/08/2022
2	Employers hire on attitude than any other skills	1	29/06/2022
3	Introduction to Industry 4.0 Technologies	1	25/06/2022
4	Risk Assessment and Management	1	28/05/2022
5	Digital Transformation and Impact of IOT on		
6	Education, Industry, Health Sector, and Society towards Creating Job Opportunities	1	27/05/2022
7	Time and Stress Management: Find Your Balance	1	23/05/2022
8	International Seminar on Construction 4.0: Digital Transformation for Success	-	05/2022
9	Open Channel Design for Hydropower and Irrigation	1	23/04/2022
10	External and Internal Factors that Impact Procurement Process	1	14/04/2022
11	Elevate Your Leadership Skills to Take your Organization to the Next Level	1	07/04/2022
12	Pakistan Readiness Investment Program	-	28/02/2022