

FARAH SHAMIM

DESIGNATION: Lecturer

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CNIC #: 42401-1312727-2

ACADEMIC QUALIFICATION:

Degrees	Year of Passing	Major Group/ Subjects	CGPA/ Grade %	Board/ University
SSC	2006	Science	A-1	Board of Secondary Education Karachi
HSC	2008	Pre- Engineering	A	Board of Intermediate Education Karachi
B.E	2012	Chemical Engineering	3.7 CGPA	NEDUET, Karachi
M. Engg.	2015	Chemical Engineering	3.53 CGPA	NEDUET, Karachi

EXPERIENCE:

NED University of Engineering and Technology

- Working as Lecturer in FOOD ENGINEERING DEPARTMENT
August 2015 – Till date
- Worked as visiting faculty in CHEMICAL ENGINEERING DEPARTMENT
February 2015 – April 2015
- Worked as visiting faculty in FOOD ENGINEERING DEPARTMENT
March 2015- April 2015

INTERNSHIP:

PCSIR (Pakistan Council of Scientific & Industrial Research)
1st June 2011 to 30th June 2011

Task Performed during Internship

- Worked on dryers , boiler, distillation & absorption Columns, Incinerator
- Exposure to paper, pesticide, chlorination plant & Coal gasification technology.
- Project on “**Fish Protein Concentrate**”

FINAL YEAR PROJECT:

“PRODUCTION OF BIODIESEL FROM ALGAE”

Performed experiment of Biodiesel production from Microalgae with the assistance of HEJ Campus of Karachi University and FMRCC (Food & Marine Resource Research Centre) department of PCSIR (Pakistan Council of Scientific & Industrial Research)

- Laboratory scale experiment
- Development of process flow diagram
- Material & Energy balance
- Equipment designing
- Cost estimation & Plant location

INDUSTRIAL VISITS:

- Visited to Deewan Industry
- Visited to Novatex
- Visited to Lottee
- Visited to Byco
- Visited to NRL (National Refinery Limited)
- Visited to National Food Ltd.

MAJOR COURSES:

- Chemical Reaction Engineering
- Plant Design
- Industrial Safety & Maintenance
- Separation Technology
- Thermodynamics
- Environmental Pollution Control
- Heat Transfer and Mass Transfer
- Fluid Mechanics
- Organic Chemistry

ENGINEERING SOFTWARE:

- MS Visio
- Aspen HYSYS
- MATLAB
- MS Project
- C-language,
- Auto CAD,
- MS Office(2010)

WORKSHOPS AND SEMINARS ATTENDED:

- Participated in __seminar on **ROLE OF ENGINEERS IN INDUSTRIAL SAFETY** organized by **CHEMESS** (chemical Engineering Student Society) on 28thMarch 2011,

- Participated in___ work shop on **ENERGY AWARENESS WEEK** organized by **SPE**(Society Of Petroleum Engineering) from 28 Feb to 05 March 2011,
- Your Next step___**JOB REQUIRMENT AND OVER SEASEDUCATION** organized by CHEMESS (Chemical Engineering Student Society) on 17th September 2011,
- Participated in__Youth forum___ **YOUTH IS HOPE,YOUTH IS POWER,YOUTH IS PRIDE** organized by **SAF**(Student Affairs Forum) on 23rd February 2011,
- Participated in __**45th IEP CONVENENTION___THE INSTITUTIION OF ENGINEERS PAKISTAN** held on 22nd December 2012

COURSES TAUGHT:

- **Chemical engineering principles** ____ F.E Chemical (Theory)
- **Particulate technology** ____T.E Chemical (Theory + practical)
- **Process Control In Food Industry** ____ B.E Food (Theory)
- **Industrial safety & Maintenance Management** ____ B.E Food (Theory + practical)
- **Industrial Organization & Management** ____ B.E Food (Theory)
- **Unit Operation in Food Engineering –I** ____ T.E Food (Theory + practical)
- **Unit operation in Food Engineering –II** ____ T.E Food (Theory + Practical)
- **Food Plant Design & layout**____ B.E Food (Theory + practical)

OTHER OFFICIAL ASSIGNMENT:

- Performing services as **Final Year Class Advisor**
- Performing services as **Final Year Project Co-ordinator**
- **Area Co-ordinator** in Fall 2015