

MUHAMMAD IRTAZA

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- To get an opportunity to work in an organization where I can actually go through the applications of the knowledge which I have acquired during my undergraduate studies.

EXPERIENCE

28/07/2015 – 25/08/2015

INTERNEE ENGINEER, HEAVY MECHANICAL COMPLEX, TAXILA

Four weeks Internship, based on learning the industrial environment and to get exposure to hand tools, equipment, machines and manufacturing setups in the following departments:

1. Production Planning and Control
2. NDT Laboratory
3. Heat Treatment
4. Assembly Shop
5. Machine Shop
6. Fabrication Shop
7. Material Testing Laboratory
8. Pattern Shop
9. Forging Unit
10. Quality Control

EDUCATION

September, 2018 (In Process)

Masters (MS), NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY (NUST).

Masters of Science in **Mechanical Engineering**, CGPA: (In process)

September, 2017

Bachelors (BS), COMSATS INSTITUTE OF INFORMATION TECHNOLOGY

Bachelors of Science in **Mechanical Engineering**, CGPA: **3.35/81.45%**

September, 2013

Intermediate, DIVISIONAL PUBLIC SCHOOL AND COLLEGE, SAHIWAL

Fundamentals of Science (F. Sc) with **Pre-Engineering Subjects**, Internal & External Grades

A⁺/80.72%

August, 2011

Matriculation, DIVISIONAL PUBLIC SCHOOL AND COLLEGE, SAHIWAL

Matriculation with **Science Subjects**, Internal & External Grades **A⁺/81.80%**

FINAL YEAR PROJECT

Investigation of mechanical properties of Nano-composites of graphite and polystyrene (PS):

1. Exfoliated Nano graphite particles (**GRAPHENE SHEETS**) through bath sonication.
2. Synthesis of **NANO COMPOSITE MEMBRANE**.
3. Investigate the mechanical properties of **POLYSTYRENE** by the Inclusion of **NANO FILLER (GRAPHENE)**.
4. Effects of **BATH SONICATION**.

SEMESTER PROJECTS

7thSemester

Designed and fabricate the robotic arm to lift small units.

6thSemester

Automatic book page turner for quadriplegic person.

5thSemester

Design and fabricate the instrument to find the buckling in the Steel rods.

4thSemester

Studied the complete assembly of IC engine (internal combustion engine).

3rdSemester

Designed cubic structures (AutoCAD).

2ndSemester

Design and manufactured Aluminum Air foil Battery.

1stSemester

Design and Fabricated Catapult.

SKILLS

- Self-Learning
- Team work and Leadership
- Engineering Maintenance
- ANSYS (Analysis System)
- OriginPro
- Public and Motivational Speaker & Presenter
- Peoples Skill
- SolidWorks

EXTRA-CURRICULAR ACTIVITIES

President, Trainer and Achieved Various Awards in National and International events organized by well renowned literary & Model UN societies (2008-2017).
(Details Attached).

ANNEX

- President COMSATS Literary Society (2017)
- Campus Best debater award (2013 - 2017)
- President of COMSATS LOK VIRSA SOCIETY (2014)
- Member of ASME chapter of CIIT SAHIWAL (2015)
- Under Director General in Youth general assembly (2016)
- Chairperson and Model United Nation coach in CIIT Sahiwal (2016)
- Vice President General & Cultural Wing in COMSATS LITERARY SOCIETY (2014-2016)
- Chaired COMSATS Model United Nation COMUN (2014, 2015, 2016)
- Won 1th position in INTERNATIONAL KANGAROO MATH TEST (2008)
- Won First Position in Urdu Declamation in DPS SAHIWAL (2009)
- Organized Honors Day for the three times in DPS SAHIWAL (2009, 2010)
- Won First Position in English Declamation in DPS SAHIWAL (2010)
- Won best Football Caption and best defender Award from YOUNG BLOOD FOOTBALL CLUB SAHIWAL (2010)
- Won best delegate award in COMSATS Sahiwal Model United Nation CO-MUN (2013)
- Won 2nd Position in Drama competition in COMSATS SAHIWAL (2013)
- Won 2th Position in Business Lounge Competition in GIKI SWABI (2014)
- Won First Position in (Urdu) Intra Declamations in COMSATS SAHIWAL (2014)
- Won Best Researcher Award from COMSATS MODEL UNITED NATION (2014)
- Won outstanding Diplomacy award in COMSATS INTERNATIONAL MODEL UNITED NATIONS CIMUN (2015-2016)
- Moderator at (AMAN KI ASHA) conference in JINNAH HALL SAHIWAL (2015).
- Won Outstanding diplomacy award in NFC Institute of Engineering and Fertilizer Research PNA (2015)
- Won Honorary Mention award in University of Agriculture, Faisalabad AG-MUN (2015)
- Organized All Pakistan Declamations in COMSATS Literary Society (2015)
- Chaired All Pakistan Youth General Assemblies' Model United in CIIT Sahiwal (2016)
- Chaired Beacon House National University Model United nation BUMUN (2017)
- Chaired Lahore Grammar School LGSEMEMUN (2017)
- Chaired City School Model United Nation, Shalimar Campus C8MUN (2017)
- Chaired International Crisis Chamber-University of Central Punjab ICC-UCP-MUN (2017)
- Master of Ceremony in 10 Years Celebration of COMSATS Sahiwal (2017)
- Master of Ceremony in 102nd convocation of COMSATS Sahiwal (2017)
- Master of Ceremony in Chief Minister E-Rozgar Scheme at COMSATS Sahiwal (2017).
- Chaired Forman Christian College and University Model United Nation FORMUN (2018)
- Chaired University of Central Punjab Youth Parliament (2018).
- Chaired COMSATS INTERNATIONAL MODEL UNITED NATIONS CIMUN IV (2018).
- Chaired Senate at Lahore Eclatant youth Parliament LEYP'18.
- Motivation and career Training at various including COMSATS Vehari, Sahiwal campus.
- Motivational lecture at City School Sahiwal.