

Arfa Anwer Arain

MATHEMATICIAN | EDUCATIONIST

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Education

Masters of Science	National University of Science and Technology Master of Science in Innovative Technology in Learning Universal Design for Learning (UDL), Psychology in learning and cognition, Learning through Pedagogy	2018 – 2020
Bachelors of Science	National University of Science and Technology Bachelor of Science in Mathematics Calculus, Linear Algebra, Statistics	2012 – 2016

Experience

Lahore School System (LSS), Islamabad	Teacher <ul style="list-style-type: none">Taught primary classes subject of Mathematics and Computer.Applied student-centered and collaborative learning methodology.	2019 – 2020
NUST Creative Learning School, Islamabad	Internship <ul style="list-style-type: none">Used Universal Design for Learning approach for teaching Science and Mathematics to children.Introduced project-based learning, Multiple means of action and expression, and student-centered approach.	2019 – 2019
Al-Firdous Welfare Association School, Barakau.	Internship <ul style="list-style-type: none">Used critical pedagogy approach to teach Science to elementary class student	2019 – 2019
Development in Literacy (DIL), ISLAMABAD	Math and Science Trainer <ul style="list-style-type: none">Instructional designer of Math and Science curriculum.Designed outline for instructors.	2017 – 2017
Chadar, a non-profit organization	Deputy Head HR (Volunteer) <ul style="list-style-type: none">Planning and task distribution for team.Recruitment of members in different teams.Organizing street stores, street-schools, and other fundraising events.	2016 – 2017

Skills

Software Skills

Microsoft Office Certified, EViews 10 Stata 1, Adobe Illustrator

Soft Skills

Pedagogy, Creative thinking, Communication, Organization Teamwork, Time management

Other Interests

- Graphic Designing and Illustration
- Handcrafted art
- Attending awareness seminars

Projects

NUST Masters

Semester Projects

- Learning outcomes by using inclusive Universal Design of Learning framework infused project-based learning (PBL) Approach.
- Critical pedagogy approach on grade race conducted on elementary students.
- Education in Pakistan: character building or destroying? (research conducted).
- Teaching science by presenting content as a hypothesis, no facts.
- Teaching mathematics using student-centered approach A digital learning platform for mathematics

NUST Masters

Thesis

- UDL is an educational framework that includes technology and pedagogy in a lesson plan which involves all the students in the classroom.
 - The study examined the results of UDL implementation in a low-tech primary Math classroom. The results deduced that UDL could improve the conceptual understanding and reduce the math anxiety of students.
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