*Rizwan Ullah*

*Village Isori bala P/O Akora khattak district Nowshere, Pakistan*

*Image result for mobile phone symbol092 315 9498216 ● Image result for email symbol rizwanullah753@gmail.com*

|  |  |
| --- | --- |
|  | |
| *Research Interests* | *Heat transfer, Hydro energy, Vortex dynamics, Turbulent flows, gravitational water vortex turbines and rotor dynamic analysis* |
| *Education* | ***MS Mechanical Engineering (2018****)*  *GIK Institute of Engineering Sciences and Technology, Topi, Pakistan*  ***BS Mechanical Engineering (2016)***  *University of Engineering and Technology (UET), Peshawar, Pakistan* |
| *Master research publications* | ***Three recent international journal research papers are under progress***   1. *Multi-stage energy conversion of a gravitational water vortex [Submitted to international journal of Applied energy]* 2. *Analytical modeling for the prediction of multistage water vortex turbine performance [Submitted to international journal of renewable energy]* 3. *Experimental study of solar still for the purpose of commercialization [In progress]*   ***One conference paper submitted in the 4th international conference of PGSRET (presented on 10 Sep, 2018)***   1. *Experimental investigation of various blade configurations on the performance of Gravitational water vortex turbine (GWVT)* |
| *Academic*  *Experience* | ***2016 to Present***  *Graduate assistant, GIK Institute of Engineering Sciences and Technology, Topi, Pakistan*  ***Master Research Project***  *Design, analysis and fabrication of multistage gravitational water vortex turbine (GWVT)assembled in a conical basin*  ***BS senior year Project***  *Study and fabrication of wave power plant using oscillating water column (OWC) Technique* |
| *Awards* | 1. *2nd position in water rocket competition held by space agency of Pakistan (SUPARCO)* 2. *best project award in internship by PTC* |
| *Technical Skills* | 1. *Basic Computer Skills* 2. *MS office* 3. *Solid works [part Modeling software]* 4. *MS Project [Project planning software]* 5. *COMSOL Multiphysics [Simulation software]* 6. *Origin graph plotter [Data analysis software]* 7. *Latex [Data formatting software]* 8. *Photoshop [Image editor]* |
| *Undergraduate Student Supervision* | 1. *Design and experimentations of Vortex tube* 2. *Development of a test bench for Nusselt Number Correlations* |
| *Assistantship/Teaching Experience* | 1. *Assisted fluid mechanics-1 course* 2. *Course of computational fluid dynamics* 3. *Conducted heat transfer lab* 4. *Thermo-fluid lab* 5. *Supervised mini projects* |
|  |  |
|  |  |