Abdul Latif

Contact

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Address: Village Aboha District Swat KPK Pakistan

Skills

Computer aided design (Creo Parametric)
ANSYS
MATLAB
C++
CNC programming
Microsoft office
APowersoft ((video & audio editing)
Audacity (audio editing)

Honours and Awards

PhD Scholarship, University of Palermo, Italy
M.S Fellowship, GIK Institute Pakistan
B.S Scholarship, KPK Government
B.S Financial Aid, GIK Institute
B.S Scholarship Mian Zaheen-Uddin Memorial
Distinction in all semesters of M.S
Distinction in 8th Semester of B.S

Certifications

IELTS score 6.5
Registered Engineer of Pakistan Engineering Council
Occupational Health and Safety
ANSYS Certificate of Participation

Online Course Attended

MATLAB (edX)
C++ (Youtube)
Programming for Everybody, Getting Started with Python (Coursera)
The 3D Printing Revolution (Coursera)
IELTS training (edX)

Education

M.S in Mechanical Engineering (2016-2018), CGPA 3.67/4
Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI), Topi Swabi Pakistan
M.S Research Thesis
Fabrication of similar and dissimilar metals (2219 Al and Cu) lap joints through friction stir welding

B.S in Mechanical Engineering (2012-2016), CGPA 3.32/4
Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI), Topi Swabi Pakistan
B.S Thesis
Design and manufacturing of 3 axis CNC router

Research Publications

1. Influence of tool material, tool geometry, process parameters, stacking sequence, and heat sink on producing sound Al/Cu lap joints through friction stir welding. Metals 2019, 9, 875. https://doi.org/10.3390/met9080875

Work Experience

Visiting Lecturer Mechanical, (September 2018-October 2020)
University of Technology, Nowshera KPK Pakistan
Teaching Assignments
Computer aided design (Lab) Basic mechanical technology (Lab & Theory)
Thermodynamics I (Theory) Thermodynamics II (Lab and Theory)

Graduate Teaching and Research Assistant (2016-2018)
Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Topi Swabi, Pakistan
Courses Assisted
Engineering statics Engineering drawing Manufacturing technology I
Mechanical engineering design
Teaching Assignment
Engineering drawing (lab) Computer aided design (lab)

Secondary School Teacher (June-August 2016)
Khyber Education Academy Barikot Swat, Barikot Swat Pakistan

Internee (August-September 2015)
Water And Power Development Authority Pakistan, Tarbela KPK Pakistan

M.S and B.S Course Projects

1. Application of the Finite Difference Method and the Finite Element Method to Solve a Thermal Problem
2. Application and Limitation of Forward, Backward and Crank Nicolson's Methods to Solve an Equation using MATLAB
3. Design of Binder Jet
4. Project Management of 3-Axis CNC Router
5. Designing and Fabrication of Crutch for a Physically Disabled Person