MODH ALTAF KHAN



Contact

- @ altafkhan108.ak@gmail.com
- **L** +918126410989, +916396029916
- 213 Vill+Post- Pariyat Jaunpur UP I NDIA 222162

Skills

Microsoft Excel, Microsoft word & 80% **PowerPoint**



20%

Achievements & Awards

Represented school being the Head Boy.

College topper in high school (2007-08) and Intermediate (2009-10).

Oualified UPTU and AIEEE entrance test twice.

Qualified AMU Engineering Entrance test in 2012.

Graduated (B.Tech in Mechanical Engineering) with honours.

Qualified GATE in 2016 with 94.19 Percentile.

OBJECTIVE

To utilize my professional and life skills experience with the intention of securing a professional career with ample opportunity to tackle challenges and advance, while continuously building on my library of knowledge and skills.

EDUCATION	
U.P. Board	2008
High School	
First Division	
U.P. Board	2010
Intermediate	
72.4	
Aligarh Muslim University	2012-
B.Tech (Mechanical Engineering)	2016
8.56	
Aligarh Muslim University	2016-
M.Tech (Machine Design)	2018
8.36	

COURCES DONE

Theory of Machines, Machine Design, Fluid Mechanics, Engineering Mathematic, Finite Element Method, Advanced Fracture Mechanics, Heat transfer, Advanced Mechanics of Solid, Exp. Stress Analysis

B.TECH PROJECT

Natural Convection Heat Transfer In Enclosure Applicable To Solar System.

INUMERICAL & Experimental analysis has been carried out for 2D unsteady natural convective heat transfer in an enclosure under the conditions of constant heat flux and temperature.

Non-dimensional forms of continuity, momentum and energy

equations have been derived and solved using finite difference method with under-relaxation iterative scheme.

I The analysis has been carried out for different Rayleigh numbers and aspect ratios of active wall.

I The problem resembles a flat plate solar collector when inclined and a solar cooker when kept horizontal.

M.TECH PROJECT

Language

Reading- English, Hindi, Urdu, Arabic, Sanskrit.

Writing- English, Hindi, Urdu, Sanskrit.

Speaking- English, Hindi, Urdu.

Interests

Reading Newspaper & Novel, Playing cricket, watching TV serials.

Extracurricular Activities

Teaching assistant in AMU for two years (2016-2018).

R.C. Aero-Modelling workshop Aerotrix.

Autonex workshop Radiance IIT Bombay.

Auto innovace Prigma Training program Prigma Edutech Service.

Entrepreneurship Orientation Programme NSIC

Organize the GENERAL QUIZ & MATHLETE in ALFAAZ 3.0 (Annual Hall Fest) at Sulaiman Hall AMU Aligarh.

Organize the DEBATE COMPETITION & TECHNICAL EVENTS in ZARF-16 (Annual College Fest) at ZHCET, AMU, Aligarh.

Member of SAE INDIA.

Finite Element Analysis of Cylindrical Shell Structures by ANSYS.

Analysis of buckling strength of cylindrical structures (Shell63) by FEM technique in the linear & nonlinear domain.

I The cylindrical results are compared with theoretical results to check Finite element validity.

Initially cylindrical member are created using ANSYS top down approach & then effect of thickness on buckling load and stresses are plotted.

M.TECH DISSERTATION

Finite Element Modeling of Smart Functionally Graded Beams Using Refined Third order theory.

© Problem Formulation of Smart Functionally Graded Beams Using Refined Third order theory.

^{II} Make a programme in MATLAB for above formulation. The result obtained from MATLAB is validated from standard result.

I Free vibration analysis, static analysis, transient response analysis have been done for different condition.

I Feedback control and optimal control has been done for different condition.

JOURNAL PUBLICATION

M Altaf Khan, Free and Forced Vibration Analysis of Functionally Graded Beams Using Finite Element Model Based on Refined Third-Order Theory, Emerging Trends in Mechanical Engineering, 2020, 603-612.

INDUSTRIAL TRAINING

Harduaganj Thermal Power Station, Uttar Pradesh Rajya Vidhyut Utpadan Nigam LTD., Kasimpur(U.P.) (Jun, 2015 - July, 2015) Did vocational training in Turbine maintenance divison of Harduaganj thermal power plant for four weeks.

REFERENCE

Dr. Mohd Yaqoob Yasin - "Aligarh Muslim University" Assistant Professor yaqoob.yasin@gmail.com +9194126 41665