



VALECHA DHEERAJ KAILAS

Seeking to be a part of an organization where I will be able to effectively utilize my skills and make a significant contribution to the success of the employer and at the same time my individual growth.



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

valechad8@gmail.com

www.linkedin.com/in/dheeraj-valecha-b9bb62146/

9511690738

EDUCATION

PhD(CIVIL ENGINEERING) 10

Indian Institute of Technology
Hyderabad

M.TECH IN MECHANICAL SYSTEM DESIGN 9.09

Indian Institute of Information
Technology Design &
Manufacturing Kancheepuram
Year of graduation : 2020

GATE SCORE 731

Year of passing : 2020

B.E. IN MECHANICAL ENGINEERING 68.61%

Savitribai Phule Pune University
Year of graduation : 2017

HIGHER SECONDARY SCHOOL CERTIFICATE 83.83%

Nashik Divisional Board
Year of graduation : 2013

SECONDARY SCHOOL CERTIFICATE 92.55%

Nashik Divisional Board
Year of graduation : 2011

PROJECTS

APPLICATION OF POLYGONAL FINITE ELEMENT METHOD

Guided by: Dr.JAYABALK.
Indian Institute of Information
Technology Design &
Manufacturing Kancheepuram

COIN SORTING MACHINE

Guided by: PROF.N.R.PATIL.
P.E.S's Modern college of
engineering, Pune.

ADDRESS

House no.3760,Kailas
bhavan, Talav lane, Parola,
Maharashtra,
India
Pincode - 42511

PhD RESEARCH AREA

THERMO STRUCTURAL ANALYSIS FOR PREDICTING DAMAGE/FRACTURE IN FUNCTIONALLY GRADED THERMAL BARRIER CERAMIC COATINGS USED IN INSULATING STRUCTURES, USING A PERIDYNAMIC APPROACH.

TERM PROJECTS

DESIGN OF GEARS BY ADVANCED ENGINEERING MATERIALS

Indian Institute of Information Technology Design & Manufacturing
Kancheepuram

SELECTION OF MATERIAL AND PROCESSES FOR ARMOUR

Indian Institute of Information Technology Design & Manufacturing
Kancheepuram

CRUISE MISSILE TECHNOLOGY

P.E.S's Modern college of engineering, Pune.

ACADEMIC ACHIEVEMENTS

SECOND RANK HOLDER OF PG BATCH(IIITDM 2020)

GATE TOPPER(IIITDM 2020)

FIRST CLASS WITH DISTINCTION(UG 2017)

FIRST CLASS WITH DISTINCTION(HSC 2013)

CLASS TOPPER(SSC 2011)

WORK EXPERIENCE

JRF(APR 2021- DEC 2021)

Indian Institute of Technology Hyderabad

ASSISTANT PROFESSOR (JULY 2017- NOV 2017)

Vasantrao more polytechnic, parola, jalgaon.

PUBLICATIONS

TEMPERATURE-DEPENDENT MODEL FOR FERROELECTRICS EMBEDDED INTO TWO-DIMENSIONAL POLYGONAL FINITE ELEMENT FRAMEWORK

Journal : Mechanics of Advanced Materials and Structures

AN EULER-BERNOULLI, TIMOSHENKO AND MICROPOLAR BEAM FORMULATION IN ORDINARY STATE-BASED PERIDYNAMIC FRAMEWORK

(Under publication)

SKILLSETS

SOLIDWORKS

ANSYS

MATLAB

AUTOCAD

CATIA