



DIVAS

Course : M.E., Mechanical Engineering, 2022

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CGPA : 8.49



ACADEMIC DETAILS					
COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
UG	Mechanical Engineering	Dronacharya College of Engineering, Gurugram	Maharshi Dayanand University, Rohtak, Haryana	60.92 %	2018
CLASS XII	Science	Holy Heart High School, JIND	CBSE	77.2 %	2014
CLASS X		Moti Lal Nehru Public School, JIND	CBSE	9.2 CGPA	2011

Subjects / Electives	Heating and Cooling of Buildings, Computational Fluid Dynamics, Advanced Engineering Mathematics, Computer Aided Analysis and Design, Finite Element Analysis, Quality Control Assurance and Reliability, Robotics And Mechanisms
Technical Proficiency	Excel, OpenSCAD, EnergyPlus, ANSYS Fluent, MATLAB, Python

SUMMER INTERNSHIP / WORK EXPERIENCE	
Analyst Intern, Henry Harvin Education Worked on a Project - Employees' Performance Analysis	Aug 2021 - Sep 2021

PROJECTS	
Prediction of Energy Consumption of Lathe Machine using Multilinear Regression and Gaussian Process Regression. - Machine Learning Mar 2021 - Jun 2021 1. Data of 27 different conditions is taken from Lathe Machine with feed, depth of cut and cutting velocity as dependent variable and Energy Consumption as independent variable. 2. Data is divided into Training set and Test set. 3. Multilinear Regression and Gaussian Process Regression are used for modeling. 4. Four different errors - RMSE, MSE, MAE, SSE are calculated on the test set for calculating the accuracy of the models.	
Employees' Performance Analysis - Data Analytics 1. Data Cleaning is done using Python. 2. EDA is performed on the cleaned data. 3. Employees' performance is analysed by checking their overall revenue.	Aug 2021 - Sep 2021
Dynamic Mode Decomposition and its Applications in Fluid Dynamics - Data-Driven Modeling of Complex Systems 1. Algorithm is performed using MATLAB. 2. Algorithm is applied on the data and reconstruction of flow is obtained after doing the future prediction.	Mar 2021 - Jun 2021
Effect of Location of Buildings on Cooling Load due to Sun's Path using EnergyPlus - Heating and Cooling of Buildings 1. Two locations are taken - Pilani and Kanyakumari. 2. Cooling load is calculated using EnergyPlus software and the same is justified by the Sun's path at both the locations.	Mar 2021 - Jun 2021
Simulation of Flow inside a Pulsating Heat Pipe. - Computational fluid dynamics. 1. Simulation is done using ANSYS FLUENT ACADEMIC VERSION 2021. 2. Resistance is observed at different time steps and after some time steps, it is decreasing with time and becoming constant.	Mar 2021 - Jun 2021

POSITION OF RESPONSIBILITY	
Class Representative - DRONACHARYA COLLEGE OF ENGINEERING	Aug 2014 - May 2018

EXTRA CURRICULAR ACTIVITIES	
Writing Co-author of an Anthology- Art of being human.	
Pencil Sketching	

CERTIFICATIONS		
CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Convection Heat Transfer and Fluid Dynamics Fundamentals	QEEE, Conducted by IIT Madras	
Theory of Gaussian Process Regression for Machine Learning	Udemy	

CERTIFICATIONS		
CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Business Analytics with Python (CPBA) Course	Henry Harvin Education	
TEST SCORES		
TEST NAME	DATE OF EXAM	SCORE
GATE 2020	Mar 18, 2020	Score:666/1000
SCHOLARSHIPS		
Post Graduate Scholarship through GATE		Jun 2021
LANGUAGES KNOWN		
English, Hindi, Punjabi		