

VIVEK RADADIYA

M. Tech | Department of Management Sciences | IIT Kanpur

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EDUCATION			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	% / CGPA
2023 - Present	M. Tech Department of Management Sciences	Indian Institute of Technology, Kanpur	-
2017-21	B. Tech Mechanical Engineering	Nirma University, Ahmedabad	8.05
2015-2017	Higher Secondary Education GSEB	P. P. Savani Vidhya bhavan	83.40%
2015	Secondary Education GSEB	Sadhana Vidhya bhavan	81.50%
SELF PROJECTS			
Sales prediction by different advertising platforms <ul style="list-style-type: none">Data consisting of sales of the product in 200 different markets with advertising budget in three media – TV, radio & newspaperSteps include Exploratory Data Analysis, dealing with missing values, Data visualization & Outliers TreatmentScaled the Numerical variables using the Min-Max Scaler Operationchecked for multicollinearity using variance inflation factor (VIF), also looked for omitted variable biasFeature elimination is done based on the p-value and VIF and used Adjusted R squared as the performance metrics for the modelChecked the distribution of the Residual errors on the train dataset using the fitted model			
Prediction of house selling <ul style="list-style-type: none">Performed variable identification, Univariate analysis, Bivariate analysis, Outlier treatment, Missing value treatment, Feature EngineeringUsed machine learning algorithm i.e., Logistic Regression, K – Nearest Neighbor to predict whether the house got sold or not based on the data available and to obtain and compare the accuracy score for the test data			
WORK EXPERIENCE (2 Yrs.)			
Secure Meters Limited		Developer Projects (Executive -2)	Jul 2021 – Aug 2023
Project Details: New Product Introduction (NPI) – 9 Month Project Execution Programme			
Roles & Responsibilities	<ul style="list-style-type: none">Developed Production facilities for NPI programme based on Sales Projection & Manufacturing ArchitectConducted DFM Review meet on a weekly basis to check Product feasibility on different Business CriteriaPlanned & prioritised the project activities by developing Project RoadMap & Gant Chart for ExecutionPrepared Resource Allocation Plan based on Need & Expertise Charter for New Manufacturing FacilitiesDeveloped a Proof of Concept through Rapid Prototyping to validate the Feasibility aspect of InnovationEvaluated New Vendors based on Total Cost of Ownership (TCO) for Strategic Outsourcing DecisionCreated the Facilities Requirement Sheet (FRS) to avoid Cross-functional information gaps in executionMaintained all the Financial Expenditure Report of new production line for NPI – 9 Month ProgrammeReviewed the Process Flow Diagram considering the PFMEA and work content at different WorkstationIdentified variability of production facilities using DOE technique of SHAININ quality assurance methodUsed Oracle E-Biz & ERP to raise a move order from RMI to keep a record of all Commercial ActivitiesRecruited Diploma Executive Trainee & trained GETs as responsible Team Member for Team ExpansionCollaboratively and cross-functional work with operations and R&D teams to build the rigid processDevelop facility in order to optimal utilization of resources & achieving zero OoBF (Out of Box Failure)		
Achievements	<ul style="list-style-type: none">Secured 1st Position in “Semsite’s choice” annual Team Award: Increasing the Capacity of the Liberty 200 Production line.Honored with the Secure Merit Award for “Design of Armature Curing & Storing”Achieving the ZD (zero defect) for manufacturing line Liberty 200.		
COURSEWORK AND SKILLS			
Relevant Courses*	Probability & Statistics Operations Research for Management Introduction to Computing Statistical Modelling For Business Analytics		
Technical Skills	Python* Java* MS Excel* MS PowerPoint		
ACHIEVEMENTS & EXTRA CURRICULAR			
<ul style="list-style-type: none">Member of the corporate culture team MAST & organizing fest of secure meters limited called SEM's Day 22-23Participating in CSR activity name Khoj to make school students learn physics with real life experiment 22-233 rd /65 National Universities in Best Design report Aero Design challenge by Society for Automotive Engineers Coimbatore Feb-202035th / 75 International Universities AUVSI SUAS Maryland, USA Jun-20191 st / 63 National Universities Aero Design challenge by Society for Automotive Engineers SRM Chennai Jul-2019Certificate of honor from Nirma University Oct-2019			