

Sankalp RAJORIA

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ACADEMIC DETAILS

2017	GATE		AIR: 10
2016	B.Tech. in PRODUCTION AND INDUSTRIAL	IIT Delhi, New Delhi	GPA: 7.01
2011	12 th , AISSCE	PRAGATI VIDYA PEETH, Gwalior	78%
2009	10 th , AISSE	ST. PAUL'S SCHOOL, Gwalior	81.2%

WORK EXPERIENCE

PRESENT JAN 2019	Process Engineer at JAMNA AUTO INDUSTRIES LIMITED, Yamunanagar Improved overall equipment efficiency of Parabolic Rolling Machine from 65% to 70% Enhanced U Bolt packaging from single reinforced cardboard to more aesthetically pleasing shrink wrap
JULY 2015 MAY 2015	Intern, CENTURY PULP AND PAPER, Lalkuan Improved air conditioning efficiency and eased bagasse unloading within the facility Attained net annual savings worth USD 44,000 by implementing VAM's & chillers replacing AC's Devised action plan to optimize utilization of resources; Obtained 86% reduction in workforce Developed polymer mattress; achieved overall reduction in unloading time from 6 hrs. to 10 min. Identified critical process parameters affecting long unresolved problem of bagasse unloading Presented strategic solutions based on analytics to achieve optimization of uptime Conceptualized a Lean Implementation Strategy to reduce the overall maintenance cost

Received **letter of recommendation** for outstanding contribution and offered to continue under **FITT**

PROJECTS

MAY 2016 AUG 2015	Vibration Control of shaft using electromagnetic controller, (B.Tech. Thesis) Analysed vibrations using Finite Element Modelling, Explored elastic, inertia and forces on each element Evaluated design parameters of scaled models using Mathematical Modelling to implement real time control
APR 2015 JAN 2015	Product-service system: from customer needs to early development phase Analyzed feasibility of mobile warehousing pss through surveys & SWOT, formulated complete cash flows Developed pss model to enhance franchise management; used probabilistic models to incorporate variabilities Integrated a comprehensive Business Canvas Model with pss to strengthen efficacy in real-time market
DEC 2014 SEP 2014	Financial Modelling and Valuation Of Brands Perused financial history of top 10 companies in different sectors for last 10 years, examined financial ratios Estimated the brand value using discounted cash flows based valuation model, compared with SC performance Analysed industry research & financial reports to arrive at realistic values of growth rate and Beta
SEP 2014 JUL 2014	Planning Inventories And Transportation Networks In Supply Chain Studied integrated management of Cycle Inventory, Uncertainty and Transportation Network in Supply Chains Investigated profitability through theoretical simulation of cost on real-life case studies across four regions
MAY 2013 JAN 2013	Conceptualization, design and manufacture of a leaf collecting machine Led team of 5 members which designed and fabricated a prototype; estimated machining and tooling cost Conceived the idea of this mechanically operated machine and built it from the scratch within a small budget

EXTRA CURRICULAR

Aug 2013	Represented hostel in Inter-Hostel Cricket Tournament
Sep 2013	1st runner-up, Inter-hostel football tournament
Jun 2013	2nd runner-up, Inter-hostel badminton league

OTHER INTERESTS

Meeting new people, Exploring diverse cultures, Travelling, Music, Cricket