

Arun Dev Kumar

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EDUCATION

- **Master's in Industrial Engineering** University of Houston, Texas **GPA: 3.70/4** **May 2016-estimated**
- **Bachelor of Technology in Production Engineering** University of Pune, Maharashtra, India **GPA: 8.56/10** **May 2013**

SKILLS

- **Project management:** Planning and execution of budget constrained projects, developing project schedule and cost estimates, incorporating Earned Value Management
- **Lean manufacturing:** DMAIC-six-sigma, identifying wastes and developing strategic solutions by mapping man and material flow in facility to develop cellular layouts.
- **Integrating simulation models** in manufacturing/healthcare facilities for testing using SIMIO. Developing Standard Work Instructions: using Gantt, Flow Process charts, time and motion studies.
- **Software:** C++, C, R Studio programming, MS Excel and MS Project tools. **Designing software:** AUTOCAD, CATIA, and PTC-Creo.
- **Marketing and Sales** of products- through Social media and Peer to peer sales pitch.

EXPERIENCE

Part Time Operations/ Marketing Associate at Aramark Food and Beverage Services, University of Houston **Mar 2015 - present**

- Report monthly Inventory and weekly sales for Convenience stores (C-stores) across university campus.
- Create purchase orders and product waste management as per standardized process.
- Managing invoice database and discrepancies with vendors.
- Implemented 5S, for efficient and ergonomic storage of office supplies, files and other items for official use.
- Peer to Peer Sales pitch for selling meal plans and collecting voice of customer data for better marketing strategies.

Project Trainee at Autoline Industries Ltd, Pune **Jun 2012-Nov 2012**

- Create bill of materials using MS Excel for die manufacturing projects of TATA Motors and Cummins.
- Develop 2D AUTOCAD draft for TATA Motors Light Commercial Vehicle - was well appreciated for better design and manufacturing integration studies- saved manufacturing costs of up to by error proofing in design.
- Modelling the die assembly on CATIA for better understanding and visual representation to customer.

PROJECTS

Optimization and decision making approach to a cricket team selection for a sports franchise **Aug 2015-Dec 2015**

- Used a sample set of 190 players, crunched data on performance and stats using excel.
- Developed four model approach for team selection based on cricketing characteristics and used excel to solve a linear model.
- Suggested alternative approach using GAMS to solve the problem as a single integrated model.

Design of future factory layout of Hardy Machine and Design Inc. Sugarland, Texas **Aug 2014-Dec 2014**

- Used PFAST outputs and Flow assessment app to map 123 product routings and proposed new layout based on Product Quantity (P-Q) and Product Revenue (P-R) analysis.
- Integrated 2 facilities into one by mapping material flow and reduced inter-building transfer of product family by 11000 meters.
- Reduced cycle time by approximately 2400 mins.
- Improved upon key deliverables of lead time of delivery, foreman and supervisors satisfaction with new layout.

Standard work instructions for Greater Boston Manufacturing Partnership's "Toast Kaizen video" **Aug 2014-Dec 2014**

- As part of Lean Manufacturing course, did an analysis of "Toast Kaizen-GMBP" video and **developed Standard Work Instructions** reduced idle time of process by 104 seconds.
- Redesigned workstation, Integrated MS Projects, time and motion studies for full proof waste reduction.

Design and manufacturing of 2-Stage Form Tool for manufacturing Toggle Clamp for TATA ACE high deck load body at "Autoline Industries Ltd", India **Jun2012-Nov2012**

- Worked with procurement department for ordering parts sourced from vendors.
- Designed AUTOCAD drafts based on load calculations and press tonnage requirements.
- Modelled the tool assembly on CATIA. Appreciated for integrating knowledge areas and better visualization to customer
- As part of Quality Control Carried out inspection of parts to ensured parts met ISO/ TS 16949 standards and specifications of TATA.

Project Planning team SAE SUPRA- TEAM VELOCE 2.0, India **Sept 2011-Apr 2012**

- As Project coordinator managed execution of Formula type Car design and manufacturing with estimated budget of \$8000.
- Negotiated costs/budgets with sponsors, developed project schedules and tracked project schedule, while assisting in vehicle control ergonomics.

HONORS, CERTIFICATIONS AND ACTIVITIES

- Honorable mention by **Head of Department** (Certificate of Appreciation), mentioned in **List of Achievers** for contributing towards Departmental activities and academia **May 2013**
- **Certification in AUTOCAD and PTC-CREO Software** by **Central Institute of Tool Design** **Nov 2013**
- **Deputy Editor in Chief** of prestigious "Pi" magazine **Editorial Board** **2011-2013**