

# APARNA LOHIYA

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## Education

- University of South Carolina, Columbia, SC, USA** Aug 2017 - Present  
*PhD Student, Management Science concentration*
- Kansas State University, Manhattan, KS, USA** Aug 2013 – May 2015  
*Master of Business Administration*
- National Institute of Technology (NIT), Raipur, India** Aug 2004 – May 2008  
*Bachelor of Technology in Metallurgical Engineering*

## Research Interests

Operations Management, Process Improvement, Sustainable Operations, Inventory Management, Decision-making under uncertainty, Production Planning

## Conference Publication

- “Comparative study of microstructure & mechanical properties of plain wire rod and TMT wire rod manufactured at Bhilai Steel Plant (BSP), India”*, 2<sup>nd</sup> International Conference of Material Science and Engineering Proceedings, Las Vegas, NV, USA, 2013 Oct 2013

## Teaching Experience

- Taught Industrial Management to undergraduates, RIT, India Sep 2016 – Apr 2017
- Research and Teaching Assistant* – Assisted three professors in teaching material preparation, evaluated case studies and exam papers, Kansas State University, USA Jan 2014 – May 2015

## Research Projects and Presentations

- |   |                           |                     |
|---|---------------------------|---------------------|
| <i>Sabetha, Kansas: A Hotbed for Entrepreneurship</i>       | MBA Research Study        | Jan 2015 – May 2015 |
| <i>Inventory Forecasting Model</i>                          | H&R Block                 | Jun 2014 – Aug 2014 |
| <i>Innovations across the Value Chain</i>                   | Visakhapatnam Steel Plant | Nov 2012 – Dec 2012 |
| <i>Prediction of blow condition in Steel Making Furnace</i> | Visakhapatnam Steel Plant | Jul 2010 – Nov 2010 |
| <i>Comparative study of Plain Wire Rod and TMT Wire</i>     | Bachelor’s Thesis         | Jul 2007 – May 2008 |

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## Professional Experience

**Steel and Pipe Supply Co. (SPS), Houston, TX, USA**

Aug 2015 – Jul 2016

***Business Analyst (Flat Roll Division)***

- Utilized SAP, QlikView and GAINS system to research and analyze transactional level data and Adaptive Insights for business and financial forecasting
- Analyzed the key purchasing matrix related to inventory and adjusted procurement process as the market fundamentals change
- Procured hot/cold rolled coils from US and foreign steel mills with daily purchasing power of \$300,000
- Identified and analyzed domestic and international Steel market pricing trends

**Visakhapatnam Steel Plant (VSP), Visakhapatnam, India**

Jan 2010 – Jul 2013

***Junior Manager (Planning & Operation)***

- Furnace Blowing In-charge: responsible for operations and with expertise enhance the furnace life and reduce the maintenance time
- Contributed to daily production of approx. 1,200 tons of liquid steel
- Procured and finalized raw materials of US \$31 million
- Involved with safety and quality training allotments for Steel Melt Shop

**Essar Steels Private Ltd., Hazira, India**

Jun 2008 – Jan 2010

***Engineer (Planning & Operation)***

- Core member of US \$500 million, Blast Furnace operation team
- Planned and prepared the Commissioning Schedule for the Blast Furnace
- Prepared Hazard and Operability Study for hazardous areas in Blast Furnace

## Awards and Achievements

Selected for Emerging Leaders Program, SPS, USA

Mar 2016

Recipient of CSCMP Scholarship, USA

Jan 2014

Key team member of Highest Furnace Life Campaign of steel making furnace since its inception, VSP, India

Jul 2012

First Female Steel Making Furnace Operating Engineer in public sector in India, VSP, India

Jan 2010

Graduated with top-most grades, First Division with *Honors* from NIT Raipur., India

May 2008

All India merit based JNV Scholarship (from class 6<sup>th</sup> to class 12<sup>th</sup>) by Ministry of Human

Jul 1996

Resource & Development, India

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## Internships

H&R Block (World Headquarters), Kansas City, KS, USA	Jun 2014 – Aug 2014
Visakhapatnam Steel Plant, Visakhapatnam, India	May 2007 – Jun 2007
Bharat Aluminum Company Limited (BALCO), Korba, India	May 2006 – Jun 2006

## Professional Memberships

Council of Supply Chain Management Professionals (CSCMP), USA	2014 – 2015
Women In Public Sector (WIPS) and Steel Executive Association (SEA), VSP, India	2010 – 2013
Metallurgical Society, NIT Raipur, India	2005 – 2008

## Volunteer

- Represented Kansas State University in Big XII MBA Case Competition, USA
- Library Ambassador, International Chair for GSA, Kansas State University, USA
- Host Anchor for Senior Management and Management Trainee Interaction, VSP Formation Day and Book Inaugural Reception, VSP, India
- Organized safety classes and voice for Safety Video of the Steel Melt Shop at VSP, India