



## **ATUL KUMAR SAHU**

**GOLD MEDALIST FROM CENTRAL UNIVERSITY IN B.E**

**Permanent Address:**  
HIG-47, Arya Colony  
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Chattisgarh  
Pin-495001

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### **Work Experience:**

Working in Institute of Technology, Guru Ghasidas University (Central University), Bilaspur  
Designation : Assistant Professor (Industrial & Production Engineering)  
Period : From 21 July 2011 to till date

Worked in Institute of Technology, Guru Ghasidas University (Central University), Bilaspur  
Designation : Assistant Professor (Industrial & Production Engineering)  
Period : From 09 July 2010 to 16 June 2011 (Ad hoc)

Worked In Institute of Technology, Guru Ghasidas University (Central University), Bilaspur  
Designation : Lecturer (Mechanical Engineering)  
Period : From 06 August 2009 to 30 June 2010 (Ad hoc)

### **Educational Qualifications:**

- [1] Honours in Master of Technology (Mechanical / Production Engineering) from National Institute of Technology (N.I.T), Rourkela (Orissa) in 2009 with an Aggregate (C.G.P.A) of 8.65
- [2] Gold medalist & Honours in Bachelor of Engineering (Industrial & Production Engineering) from Institute of Technology, Guru Ghasidas University (Central University), Bilaspur (C.G) in 2007 with an Aggregate (C.G.P.A) of 8.12
- [3] MBA (Master of Business Administration) in Operation Management from Indira Gandhi National Open University (IGNOU)

### **Additional Information:**

- [1] 30 Days of Vocational Summer Training at Bhilai Steel Plant
- [2] Qualified GATE Exam with All India Rank 214 in 2007
- [3] Gold medalist in Bachelor of Engineering (Industrial & Production Engineering) from Institute of Technology
- [4] Worked as a Polling & Counting Officer in student council election of Guru Ghasidas Vishwavidyalaya
- [5] Member of the Anti Ragging Committee of the Institute.

- [6] Member of the Discipline Committee of the Institute.
- [7] Worked as a Co-Coordinator of Tech-Fest (Equilibrio-2015)
- [8] Former Member of Board of Studies of the department.

#### **Main Subjects / Elective Papers:**

- Operation Research, Manufacturing Process
- Production Technology, Welding Technology.
- Industrial Engineering, Total Quality Control.
- Production Management , Product Development
- Strength of Material ,Measurement Metrology and Control
- Marketing Management , Material Management

#### **Membership:**

- [1] International Association of Engineers (IAENG)  
Member No. 130683
- [2] International Association of Computer Science and Information Technology (IACSIT)  
Member No.80349907
- [3] Universal Association of Mechanical and Aeronautical Engineers (UAMAE)  
Membership ID AM1010002150 (10/12/14 to 10/12/2017)

#### **Reviewer:**

- [1] International Journal of Fuzzy System Applications (IJFSA) - IGI Global
- [2] Production & Manufacturing Research- Taylor & Francis
- [3] Benchmarking: An International Journal- Emerald Group
- [4] Management Decision- Emerald Group

#### **Personal Information:**

Gender	Male
Marital Status	Married
Date of Birth	19/04/1986
Nationality	Indian
Language	English, Hindi

#### **International Journals:**

Sahu A. K., Sahu, N. K., Sahu, A. K. (2016), Application of Integrated TOPSIS in ASC index: Partners Benchmarking perspective, Benchmarking: An International Journal, Emerald Group Publishing limited (UK), Volume 23, Issue No 3,pp 1-26.

Sahu A. K., Sahu, N. K., and Sahu, A. K. (2015), Appraisalment and benchmarking of third-party logistic service provider by exploration of risk-based approach, Cogent Business & Management, Taylor & Francis, Volume 2, Issue No 1,pp 1-21.

Sahu A. K., Sahu, N. K., and Sahu, A. K. (2015), Benchmarking CNC machine tool using hybrid fuzzy methodology a multi indices decision making approach”, International Journal of fuzzy system application (IJFSA), IGI Global Journal Publishing Limited , Volume 4, Issue No 2,pp 28-46.

Gautam, N, Sahu, N.K , Khanday G.S and Sahu A.K.(2015), *Analysis of Static and Dynamic loads on chimney foundation in modular design of cold rolling mill*, *International Journal of Dynamical Systems and Differential Equations*, Inderscience Publishers, Volume 5, Issue No 2, pp 99-111.

Sahu A. K., Sahu, N. K., Sahu A. K., *Application of modified MULTI-MOORA for CNC Machine Tool evaluation in IVGTFN environment : An empirical study*, *International Journal of Computer Aided Engineering and Technology (IJCAT)*, Inderscience Publishers, Switzerland, (In press).

Sahu A. K., Sahu, N. K., and Sahu, A. K. *Appraisal of Partner Enterprises under GTFNS Environment in Agile SC*”, *International Journal of Decision Support System Technology (IJDSSST)*, Vol. 8, No. 3, IGI Global Journal Publishing Limited, USA, (Accepted January 2016).

Sahu A. K., Sahu, N. K., Sahu, A.K (2014), *Appraisal of CNC machine tool by integrated MULTI MOORA-IGVN circumstances: an empirical study*” *International Journal of Grey Systems: Theory and Application (IJGSTA)*, Emerald Group Publishing limited, Vol. 4, No.1, pp 104-123, UK

Sahu A. K., Sahu, N. K., Sahu, A.K ,sahu B (2015), *Verdict in Decision Making by Break-even Analysis in Context to Replacement*, *International Journal of Extensive Research*, Vol. 4, pp 1-6.

Sahu, A. K., Sahu N. K., Khandey, U., Dewangan, D. K., (2011), *Heuristics Procedures for Scheduling Tasks on a Flow Shop Environment to Optimize Makespan*, *International Journal of Business Review and Manufacturing Management (IJBRMM)*, Vol. 1, No. 2, pp. 1-7.

Sahu B, Sahu N. K, Sahu A. K. (2014) ”*Evaluation of Transformer Production Industry in Fuzzy Environment: An Empirical Study of Electronic Company*” *International Journal of Advanced and Innovative Research (IJAIR)*, , Vol. 3, Issue 7, ISSN: 2347-7844, India.

Sahu B, Sahu N. K, Sahu A. K. (2014) ”*Evaluation of Transformer Partner by Fuzzy-Full Multification Form: An Empirical Study*” *International Journal of Advanced and Innovative Research (IJAIR)*, Vol. 3, Issue 7, ISSN: 2347-7844, India.

### **International Conferences:**

Sahu, N. K., Sahu A. K., Khandey, U., Dewangan, D. K., (2011), ‘*Optimization of the Force in Drilling Process Using Taguchi’s Design Approach*’, *International Conference on Recent Advances in Mechanical Engineering*, 21<sup>st</sup>-22<sup>nd</sup> April, pp. 65, OPT-015

Sahu, A. K., Sahu N. K., Khandey, U., Dewangan, D. K., (2011), ‘*Heuristics procedures for scheduling tasks on a flow shop environment to optimize makespan*’, *International Conference on Recent Advances in Mechanical Engineering*, 21<sup>st</sup>-22<sup>nd</sup> April, pp. 54, IE-025.

Dewangan, D. K., Sahu, A. K., Sahu N. K., (2011), “*Supply Chain Coordination in E-Business*”, *International Conference on Recent Advances in Mechanical Engineering*, 21<sup>st</sup>-22<sup>nd</sup> April, pp. 48 , IE-026.

Sahu, A. K., Sahu N. K., Dewangan, D. K., (2011), ‘*Optimizing Single-Machine Scheduling Problem for Minimizing Number of Late Jobs with Distinct Due Dates for Satisfying the External Customer*’, *International Conference on Advances in Materials and Manufacturing Technology*, 20<sup>th</sup>-21<sup>st</sup> July, pp. 54-61, AMMT-7.

Dewangan, D. K., Sahu A. K., Sahu N. K., (2011), 'The Best Co-Ordination of E-Business Technologies on Supply Chain Operations', *International Conference on Advances in Materials and Manufacturing Technology*, 20<sup>th</sup>-21<sup>st</sup> July, pp. 74-78, AMMT-4.

Dewangan, D. K., Sahu, A. K., Sahu N. K., (2011), 'The Impact of Demand Forecasting in Supply Chain Management', *International Conference on Advances in Materials and Manufacturing Technology*, 20<sup>th</sup>-21<sup>st</sup> July, pp. 86-88, AMMT-5.

Sahu N. K., Sahu A. K., Dewangan, D. K., (2011), "The Role of Heat Exchanger in Modern Power Plant for Cost Optimization and Energy Enhancement with Decrement in Fuel Consumption", *International Conference on Advances in Materials and Manufacturing Technology*, 20<sup>th</sup> – 21<sup>st</sup> July, pp. 139 - 143, AMMT-44.

Sahu A. K., Sahu, N. K., and Sahu, A. K., (2014), "Application of Modified Hybrid Method in IVFNS Circumference: An Empirical Research", *International Conference on Advances in Engineering Research and Applications (ICAERA-2014)* organized by oriental College of Technology, 25<sup>th</sup>-26<sup>th</sup> March, Bhopal.

Sahu A. K., Sahu, N. K., and Sahu, A. K., (2014) "Application of RPA Methodology for GSC Industries Benchmarking Perspective", *International Conference on Advances in Engineering Research and Applications (ICAERA-2014)* organized by Oriental College of Technology, 25<sup>th</sup> -26<sup>th</sup> March, Bhopal.

Sahu A. K., Sahu, B, Sahu, N. K., and Sahu, A. K. (2014) "Robot Benchmarking by MCDM methods", *International Conference on Mechanical Engineering, Automation and Intelligent Computing (ICMEAIC-2014)* organized by Corporate Institute of Science & Technology, 27-28 June, Sponsored by AICTE, Bhopal. (Published in *International Journal of Engineering Research*)

Sahu A. K., Sahu, N. K., Sahu, A. K. and Sahu, B (2014) "GMI performance evaluation and ill criteria assessment by using set revised ranking approach: An empirical study", *International Conference on Mechanical Engineering, Automation and Intelligent Computing (ICMEAIC-2014)* organized by Corporate Institute of Science & Technology, 27-28 June, Sponsored by AICTE, Bhopal (Published in *International Journal of Engineering Research*)

### **National Conferences:**

Sahu A. K., Sahu, N. K., and Sahu, A. K. (2014) "Green Supplier Selection by GNs for Green Manufacturing Industry", *2nd National Conference on Recent Advancements in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh*, Organized by Parthivi College of Engineering and Management, 7<sup>th</sup>-8<sup>th</sup> March, Sponsored by Chhattisgarh Council of Science and Technology (CGCOST), Bililai.

Sahu A. K., Sahu, N. K., Sahu, A. K. (2014) "Appraisal of Green Manufacturing Initiatives in Manufacturing Industry", *2nd National Conference on Recent Advancements in Science and Technology for Sustainable Development of Rural Areas in Chhattisgarh*, Organized by Parthivi College of Engineering and Management, 7<sup>th</sup>-8<sup>th</sup> March, sponsored by Chhattisgarh Council of Science and Technology (CGCOST), Bililai.

Sahu B, Sahu N. K, Sahu A. K.(2015), *Determining Flow of Arrivals in Decision Making by the Application of Queuing Theory*, National Conference on knowledge Innovations in technology and Engineering (NCKITE) organized by Kruti Institute Of Technology & Engineering,10-11 April , Raipur, Paper Id-136,pp306-309.

Sahu B, Sahu N. K, Sahu A. K.(2015), *Replacement of Machines & Equipments before Failure Should be Preferable: a Study*, National Conference on knowledge Innovations in technology and Engineering (NCKITE) organized by Kruti Institute Of Technology & Engineering,10-11 April , Raipur, Paper Id-137,pp310-312.

Sahu A. K., Sahu, N. K., and Sahu, A. K. (2014) “*Decision Support System: Resilience Monitoring Perspective: An Empirical Research*”, National Conference on Research and Innovations in Mechanical Engineering (RIME-2014) organized by Department of Mechanical Engineering, Technocrats Institute of Technology & Science and TIT College, 5-6, March, Bhopal

Sahu A. K., Sahu, A. K., and Sahu, N. K. (2014) “*Role of Grey Number in MCDM: CNC Machine Tool Evaluation Perspective*”, National Conference on Research and Innovations in Mechanical Engineering (RIME-2014) organized by Department of Mechanical Engineering, Technocrats Institute of Technology & Science and TIT College, Bhopal. 5-6, March, Bhopal

#### **Workshop/Courses Attended:**

- [1] Attended 3 day's short-term training Programme on “*Design of Experiments: An Optimization Tool (DOEOT-2013)*” from 27<sup>th</sup> Dec -29<sup>th</sup> Dec 2013, organized by Department of Mechanical Engineering, National Institute of Technology, Rourkela-769008, Odisha, India.
- [2] Attended 24 day's 14th Orientation Programme from 11<sup>th</sup> May -06<sup>th</sup> June 2015, organized by UGC, HRDC of Guru Ghasidas Central University, Bilaspur 495009, Chhattisgarh, India.
- [3] Attended one week course on “*Applied Research: Design And Execution*” from 15<sup>th</sup> Jun -19<sup>th</sup> June 2015, organized by Department of Mechanical and Industrial Engineering, Indian Institute of Technology, Roorkee, Uttarakhand, India.
- [4] Attended Two weeks course on “*Metrology*”, from 30<sup>th</sup> Nov -11<sup>th</sup> Dec 2015, organized by Department of Mechanical Engineering, National Institute of Technical Teacher's Training and Research, Kolkata- 700106, West Bengal, India.
- [5] Attended Two days workshop on “*Intellectual Property Rights, IP Commercialization and Prevention of Plagiarism*” from 26<sup>th</sup> Feb -27<sup>th</sup> Feb 2016 jointly organized by Chhattisgarh council of science and technology and Guru Ghasidas Central University, Bilaspur 495009, Chhattisgarh, India.

#### **Declaration:**

*I hereby declare that all the information mentioned above is fair to the best of my knowledge.*