

BIODATA

A.)	Name	R.Kaja Bantha Navas
B.)	Institution with Full Address	Assistant Professor School of Mechanical Engineering Sathyabama Institute of Science and Technology Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119. Tamilnadu, INDIA. Sumai244@gmail.com , kaja.aero@sathyabama.ac.in 91-9952699572
C.)	<p>Career Profile:</p> <ul style="list-style-type: none"> ○ 10 Patents (Published) and 25 Industrial Design Patents Granted ○ CMI Level 5 Certified Profession for Change Management -Project funded by AICTE UK India Education and Research Initiative (UKIERI) Technical Leadership Development Program . ○ Founder – Helios Innovation Pvt Limited, Chennai ○ Change of Mentor, ATAL Thinkering Labs, Atal innovation Mission NITI Aayog, Govt of India (Government of India’s flagship programme). ○ Advisory Board Member, Centre for Innovation and Design Thinking, Muthayammal Engineering College (An Autonomous Institution), Tamilnadu ○ IPR Expert and Member Institute Innovation Council, Aarupadai Veedu Institute of Technology (AVIT), Chennai ○ Members of Sathyabamas’ Institute Innovation and Start-Up policy Implementation team https://www.sathyabama.ac.in/startup_ecosystem ○ International Certificated for WIPO-India Summer School- 2021, WIPO Academy, Geneva, Switzerland ○ Received Global Engineer Leadership Scholarship for Summer Research School, National Tsing Hua University, Taiwan (Taiwan Visit April 2020 – July 2020) ○ Received fund from Council of Scientific Research, Govt of India, Foreign Financial Assistance Scheme Funded) Ref No : PFA/2452/18-HRD – Dec. 04,2018. (Thailand Visit December, 2018) ○ Inspecting Authority (Schools) ,Maulana Azad Educational Trust, Ministry of Minority Affairs, Government of India ○ Authors of Book - Rural Management Business Analytics ISBN: 978-93-89431-24-7, Mahatma Gandhi National Council of Rural Education (MGNCRE), MHRD, Govt of India. https://www.mgncre.org/pdf/publication/FINAL%20106%20BA1.pdf (Appreciation Received from MHRD) ○ Framed and Executed 10 hrs Design Thinking and Innovations Courses for Andhra Pradesh State Skill Development Cooperation, Department of Skill and Training, Govt of Andrapradesh. ○ Delivered More than 50 talk relevant to Design Thinking, IPRs and Patents Listed our talk link https://www.youtube.com/watch?v=lj8Nb8nDEzY&ab_channel=VELAMMALITECHMECHANICAL https://www.youtube.com/watch?v=S9F5a16q09g&ab_channel=AVIT 	

Academic Career:

S. No	Institution	Degree Awarded	Year	Field of Study
1	Thiagarajar College of Engineering	M.E	2007	Industrial Engineering
2	Govt College of Engineering	B.E	2004	Mechanical Engineering

Professional Career:

S. No	Institution	Position	From (Date)	To (Date)
1	Sathyabama Institute of Science and Technology	Assistant Professor	12.06.2012	Till Date
2	BGR Energy System Limited, Chennai	Design Engineer (System)	14.4.2008	01.10.2011

Listed Publication

1. **Kaja Bantha Navas**, Palaninatha Raja, Sharmila Parveen, John Rajan, Six Sigma in Healthcare: A Case Study on COVID Patient Satisfaction, international Journal of Lean Six Sigma, Vol. No. Emerald, <https://doi.org/10.1108/IJLSS-11-2020-0189> (WOS)
2. **Kaja Bantha Navas R.**, T Sasipraba., Project Management Application for Engineering CDIO Process in Asia, **17th CDIO Conference, 2021, Thailand**
3. **Kaja Bantha Navas R.**, Prakash S., Mithun M., Abhishekshivram, "Six Sigma in Battery Assembly of Skid-Steer Loader", Advances in Simulation, Product Design and Development. Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Singapore, 2020, pp. 685-93. (Book Chapter)
4. **R.Kaja Bantha Navas**, A Novel Ultra Short Term Forecasting Intelligence System based on Hybrid Neural Network, India Young Scientist Conference, International Science Festival (IISF 2020), DST, Govt of India (Dec, 2020)
5. **R.Kaja Bantha Navas**, T.Sasipraba, "National Institutional Ranking Framework (NIRF) 2019: Scientometric and Patentometric Analysis of Engineering Educational Institutions Research Outcome in Tamil Nadu", **International Summit on Quality Indices in Higher education**, Delhi Technological university, New Delhi (Nov, 2020)
6. **R.Kaja Bantha Navas**, Dr Sasipraba, Dr.S.Prakash "Artificial Neural Network based computing model for wind speed prediction: A case study of Coimbatore, Tamil Nadu, India", Physica A: Statistical Mechanics and its Applications Journal, Elsevier, Vol.542, No.123383, Vol.542, No.123383, 2020. (WOS)
7. T Sasipraba., **Kaja Bantha Navas R.**, Prakash S., et al., "**Assessment Tools and Rubrics for Evaluating the Capstone Projects**" Procedia Computer Science, Vol. 172, 2020, pp. 296-301.
8. **Kaja Bantha Navas R.**, T Sasipraba., Prakash S., "**Excellence in Creativity to Industrial Design Projects through IPRs**", FICCI higher Education Summit, Vigyan Bhawan, New Delhi. Nov 27 – 29, 2019. (Poster Presentation)
9. S.RaviKumar, **R. Kaja Bantha Navas**, Padakandla Sai Sujeeth, Multiple Response Optimization Studies for Dissimilar Friction Stir Welding Parameters of 6061 to 7075 Aluminium Alloys, Materials Today Proceedings, Vol.16, No.2, 2019, pp.405-412. (Scopus Indexed)
10. Sundaravel S, S Prakash, **R. Kaja Bantha Navas**, T Rajasekaran, "Design and Analysis of Camber Angle Adjustment

Using Actuators by Transverse Motion in All Terrain Vehicle” Materials Today Proceedings, Vol.16, No.2, 2019, pp.1226-32. (Scopus Indexed)

11. **R. Kaja Bantha Navas**, Dr S Prakash, Dr A John Rajan, Dr Arunachalam, Total Quality Management : A Framework for Quality Improvement in Indian Manufacturing Small and Medium Enterprises, IEEE International Conference on Industrial Engineering and Engineering Management, Bangkok, Thailand, Dec 16-20, 2018. (Council of Scientific Research, Govt of India, Foreign Financial Assistance Scheme Funded) Ref No : PFA/2452/18-HRD – Dec. 04,2018.
12. **R. Kaja Bantha Navas**, Akash R P, Sathish G and Mohamed Azharudeen J, “ Six Sigma in Education Examination Result Analysis Using Six Sigma – A Case Study”, 4th IEEE International Conference on MOOCs, Innovation and Technology in Education, Thiagarajar College of Engineering, Madurai on December 9 and 10, 2016. (Scopus Indexed)
13. **R. Kaja Bantha Navas**, Harish Kumar, Sharmila Parveen, Suganthi “Multi Criteria Decision Making for the Estimation of Sustainable Performance of Fast Moving Consumer Goods”, International Journal of Pure and Applied Mathematics, Vol. 109, No. 8, (2016) pp 145-51. (Scopus Indexed)
14. Mathiselvan, Sundravel, Sindirichaitanya, **R.Kaja Bantha Navas**, “Application of Taguchi Method for Optimization of Process Parameters in Analyzing the Cutting Forces of Lathe Turning Operation”, International Journal of Pure and Applied Mathematics, Vol. 109, No. 8, (2016) pp 129-36. (Scopus Indexed)
15. S Ravi Kumar, **Kaja Bantha Navas**, Padakandla Sai Sujeeth “Mathematical Analysis of Hardness for Dissimilar Welded Al alloy through Geometric Programming”, International Journal of Pure and Applied Mathematics, Vol. 109, No. 10, (2017) pp 19-27. (Scopus Indexed)
16. **Kaja Bantha Navas**, Budi Venkata Chaitana Vignan Margani Durganadh, “Analysis and Optimization of Central Processing Unit Process Parameters”, 2nd International Conference on Frontiers in Mechanical and Automobile Engineering (FAME 2016) on 7th - 9th July, 2016. (Scopus Indexed)
17. Kishore Kumar, A. John Rajan, **Kaja Bantha Navas**, “Application of Lean Manufacturing in Mass Production System”, IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), Malaysia, ISBN 978-1-4799-6410-9, December 9-12, 2014, pp.702-707. (Scopus Indexed)
18. Pranesh, John Rajan, **Kaja Bantha Navas**, “Evaluating the Performance of State and National important institute and Private Deemed Universities in Chennai by Using Data Envelopment Analysis”, Lecture Notes in Engineering and Computer Science Directory of Open Access Journals, ISBN : 2078-0958, 2013, Vol.1, pp 580-83. (Scopus Indexed)