

Faculty Member Profile

PERSONAL INFORMATION:

Name: **Mr.S.Rajesh Kannan**

Title(s)/ Position(s): Mr.

Department: MECHANICAL ENGINEERING

Current Designation: Assistant Professor

Years in Current Designation: 6 years

Gender: MALE Ethnicity: ENGINEERING

Primary Discipline: Manufacturing Engineering (Mechanical Engineering)



Google Scholar: <https://scholar.google.com/citations?user=bUtGNc4AAAAJ&hl=en>

DEGREES AND OTHER CREDENTIALS:

Ph.D- Manufacturing Engineering- Confirmation Completed

Research in the area of METAL JOINING

Anna University

M.Tech – Manufacturing Engineering - 2015

National Engineering College, Kovilpatti

Anna University

B.E - Mechanical Engineering - 2012

PSR Engineering College, Sivakasi

Anna University

PROFESSIONAL BODY MEMBERSHIP (if any) :

- Active member IIE (Institution of Engineers)

Total work experience: 7 Years 6 Months

Name of the Organization / Institution	Designation / Position	Service between (MM-YY to MM-YY)	Years of service
KCG College of Technology	Assistant Professor	22-06-2015 – Till Now	-
Consel India Marketing Services	Application Engineer	18-07-2012 to 24-08-2013	1 year 1 Month

Appointment with the School / Department of Mechanical Engineering:

Type of appointment: YEAR / FULL TIME

AWARDS

COMMANDABLE CONTRIBUTION TO THE COLLEGE ADMISSION -2019.

PATENT

Published a Australian patent- An investigation of Abrasive Water Jet Machining on Glass Fiber Reinforced Polymmers Publication date 2021/5/26; Patent office AU; Patent number-2021101722

RECENT PUBLICATION (LAST THREE YEARS) :

INTERNATIONAL JOURNAL:

1. **Rajesh Kannan, S.**, Vignesh Kumar, M., Gopal, V., and Ramesh, s. (2021). "Optimization And Mechanical Characterization Of Aa5083 And Aa7075 Dissimilar Aluminium Alloy Joints Produced by Friction Stir Welding." International Journal of Vehicle Structures & Systems, Vol.13 pp. 234-240.
2. **Rajesh Kannan, S.**, and Manikandan, I., and Vignesh Kumar, M.(2021). "Experimental Investigation of Aluminium Hybrid Composites reinforced with ZnS, TiO₂ and BaTiO₃ produced through Powder Metallurgy." International Journal of Vehicle Structures & Systems, Vol.13 pp. 234-240.
3. **Rajesh Kannan, S.**, Lakshmipathy, K., Manisekar, K., and Murugan, N. (2016). "Optimization analysis of process parameters of friction stir welded dissimilar joints of aluminium alloys." Applied Mechanics and Materials, Vol. 867, pp. 112-118.
4. Lakshmipathy, K., **Rajesh Kannan, S.**, Manisekar, K., and Vinoth Kumar S. (2016). "Tribological behaviour of AA 7068 Hybrid Composites manufactured through Powder Metallurgy Techniques." Applied Mechanics and Materials, Vol. 867, 19-28.
5. **Rajesh Kannan, S.**, and Lakshmipathy, K. (2015). "Analysis of residual stress distribution in the various zones of brass welded En8 steel." International Journal of Applied Engineering Research, Vol. 10, No. 55, pp. 3940-3943.
6. **Rajesh Kannan, S.**, Karthick, V. and Manisekar, K. (2015). "Experimental analysis of residual stresses in the various zones of arc welded En8 steel." International journal of innovative research in science, Engineering and Technology, Vol. 04, pp. 142-149.
7. Lakshmipathy, K., **Rajesh Kannan, S.**, Manisekar, K., and Vinoth Kumar S. (2016). "Tribological behaviour of AA 7068 Hybrid Composites manufactured through Powder Metallurgy Techniques." Applied Mechanics and Materials, Vol. 867, 19-28.

INTERNATIONAL CONFERENCE:

1. **Rajesh Kannan, S.**, Ramesh, S., and Karthik, V. (2019). "Microstructural and Mechanical characterization of friction stir welded aluminium alloys." WCISE 2019 World Conference on Innovations in Management, Science and Engineering. Bangkok, Thailand.
2. **Rajesh Kannan, S.**, Karthick, V. and Manisekar, K. (2015). "Experimental analysis of residual stress in the various zones in gas welded EN-8 steel." AMMA 2015 International Conference on Advances in Materials, Manufacturing and Applications. National Institute of Technology, Trichy.
3. **Rajesh Kannan, S.**, Lakshmipathy, K., Manisekar, K., and Murugan, N. (2015). "Optimization and tensile properties of Friction stir welded dissimilar joints of aluminium alloys." APM-2015 Sixth International Conference on Advancements in Polymeric Materials. Indian institute of science, Bangalore.
4. **Rajesh Kannan, S.**, and Lakshmipathy, K (2016). "Optimization analysis of process parameters of friction stir welded dissimilar joints of aluminium alloys." ICAET2015 International Conference on Advances in Applied Engineering and Technology. Syed Ammal Engineering College, Ramanathapuram.

5. **Rajesh Kannan, S.**, Lakshmi pathy, K., Manisekar, K., and Murugan, N. (2016). "An analysis to optimize the process parameters and tensile behaviour of friction stir welded dissimilar joints of aluminium alloys." TAMMIE-2016 International Conference on Technological Advancements in Materials and Manufacturing for Industrial Environment. KPR Institute of Engineering and Technology.
6. Dinesh Kumar, R., Dharun Kumar, A.M., Jothivel, N., and **Rajesh Kannan, S.** (2016). "A comparative study of mechanical properties of fusion welding and friction stir welding: A Review." ICONMERIT-16 International Conference on Mechanical Engineering Researches and Intelligence Technologies. Nehru Institute of Engineering and Technology.
8. **Rajesh Kannan, S.**, Surya, K., Sundar, R., and VishnuDev, A.V. (2017). "Optimization of friction stir welding Parameters to Improve the ultimate tensile strength of AA 5086-AA 6061 dissimilar Joints Using Taguchi Method." APM-2017 Eighth International Conference on Advancements in Polymeric Materials. Indian institute of science, Bangalore.
9. **Rajesh Kannan S.**, Ramesh S., Karthik V., and Vinoth Kumar S., (2017). "A comparative investigation between mechanical properties and microstructural characteristics of aluminium alloys by MIG, TIG and friction stir welding processes" IC-2017 International Conference on International Congress organized by Indian institute of welding. (Chennai Trade centre, Chennai)
10. **Rajesh Kannan S.**, Ramesh S., Karthik V., and Balaguru S., (2018). "Parameter Optimization of Dissimilar Aluminium Alloy Joints Produced by Friction Stir Welding" IDAD-2018 Innovative Design, Analysis and Development Practices in Aeronautical and Automobile Engineering. Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Chennai.
11. **Rajesh Kannan S.**, Shalin Britto S., Vignesh N., Nithish Kumar S., Muzzammil Asgharuddin K., (2019). "A Review on welding of High Strength Steels (API Series) which is used in oil and gas industries" ICRIDME-2k19 International Conference On Recent Innovations And Developments In Mechanical Engineering – 2019. Bharath University, Chennai.

FUNDED SEMINAR

1. "Application of Light weight Materials and Characterization in automobile Industry" Funded by Institution of Engineers -30,000 /-