

RESUME

Dr.K.Suresh, B.E,M.E.,Ph.D.

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Educational Qualification:

S.No	Name of the Degree	Name of the Institution	Specialization	Year of Completion	Class obtained
1.	Ph.D.	Anna University	Faculty of Mechanical Engineering	2023	Recommended
2.	M.E.	Adhiyamaan College of Engineering, Anna University	Engineering Design	2013	First class with distinction
3.	B. E.	Muthayammal Engineering College, Anna University	Mechanical Engineering	2009	First class

Professional Qualification:

Total 10.03 years of Experience [4 months of experience after completing PhD]

S.No	Name of the Institution	Post Held	Period
1.	S.A Engineering College [Autonomous]	Assistant Professor	June 2017 to till date
2.	VelTech MultiTech Dr.RR & Dr.SR Engineering college [Autonomous]	Assistant Professor	June 2014 to May 2017
3.	Jayam College of Engineering and Technology	Assistant Professor	June 2013 to May 2014

LIST OF PUBLICATIONS:

1. **Suresh, K**, Karuppasamy, K, Palani 2022, ‘**Effect of Silane Treated Wheat Husk Biosilica (WHB) Deionized Water Dielectric on EDM Drilling of Ti-6Al-4 V Alloy**’, Silicon, no.14, pp. 9143–9151, Impact Factor:2.844
2. **Suresh, K**, K Sivakumar, J.V Sai Prasanna Kumar 2022, ‘**Machining characteristics of silane-treated wheat husk biosilica in deionized water dielectric on EDM drilling of Ti-6Al-4 V alloy**’, Silicon, no.14, pp. 9143–9151, Impact Factor:2.844
3. Palani, S., **Suresh, K.**, Thanesh, A., Muthukumar, S., Parthasarathy, V. **Design and development of billet sawing machine for improving productivity**, *Indian Journal of Science and Technology*, 2016, 9(1), 85778
4. Palani, S., **Suresh, K.**, Selvam, M., Ganapathy Srinivasan, R., Shanmugan, S **Setting time reduction in drum brake assembly for improving productivity**, *International Journal of Control Theory and Applications*, 2016, 9(9), pp. 4009–4016
5. Thamaraiselvan, A., Thanesh, A., **Suresh, K.**, Palani, S., Harish, K.A. **Design and development of reliable integral shaft bearing for water pump in automotive engine to reduce assemble time and increase production**, *Indian Journal of Science and Technology*, 2016, 9(1), 85756.

6. Alagu Sundara Pandian, A., Irudhayaraj, R., **Suresh, K.**, Johnstephen, R., Palani, S. **Design and development of industrial receiver gauge in coordinate measuring machine for reducing inspection time**, *International Journal of Control Theory and Applications*, 2016, 9(9), pp. 3783–3796

7. Rajaravi, C., Palani, S., Yogesh, P., **Suresh, K.**, Selvam, M, **Design development and performance improvement of heavy duty vertical turning lathe machine tool**, *International Journal of Innovative Technology and Exploring Engineering*, 2019, 8(8), pp. 722–726

8. Pandian, A.S., Palani, S., Selvam, M., Vijayakumar, D., **Suresh, K.** **Design of infrared radiation for best heat source performance in paint cure oven**, *International Journal of Recent Technology and Engineering*, 2019, 8(3), pp. 7882–7885

PATENT DETAILS

1. Title: Rotating Arm Robot for Pipe Inspection Tasks

Application Number: 202241068913

Journal Number: 51/2022

Published Date: 23/12/2022

2. Title: Pneumatic Assisted Garbage Bin Modified for Effortless Handling

Application Number: 202241023444

Journal Number: 18/2022

Published Date: 06/05/2022

ADMINISTRATIVE EXPERIENCE

Appointed as Department placement coordinator in S.A. Engineering College

Appointed as production lab in charge in S.A. Engineering College

Appointed as Admission in charge in Veltech MultiTech Dr. RR & Dr.SR Engineering college

PROFESSIONAL MEMBERSHIP

Life Member of “Society of Automotive Engineers”, India

Theory Subjects Handled

Manufacturing Technology
Fluid Mechanics and Machinery
Engineering Graphics
Design of Machine Elements
Design of Transmission systems
Kinematics of Machinery
Gas Dynamics and Jet Propulsion
Computer Aided Design and Manufacturing
Computer Integrated Manufacturing systems
Computer Aided Design
Non-Destructive Testing and Evaluation
Product Life Cycle Management
Competitive manufacturing systems
Quality Management Techniques

Lab Courses Handled

Fluid Mechanics and Machinery Lab
Production Technology Lab
Strength of Materials Lab
Manufacturing Technology lab I &II
Metrology and Measurements Lab

Personal Information

Date of Birth : December 24,1986
Gender : Male
Marital Status : Married
Nationality : Indian

Languages Known

Tamil, English and Telugu : Read, Write & Speak

DECLARATION:

I hereby declare that the above details are true to my knowledge

Date:05-01-2024

Place: Chennai

Yours faithfully
(Dr.K.Suresh)

