

**Mr.K.Vinothkumar M.E., (Ph.D)**

**Assistant Professor (Sr.G),**

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**Overview: -**

Mr.K.Vinothkumar Working as an Assistant Professor (Sr.G) in the Department of Mechanical Engineering at SRMIST,Ramapuram. He Graduated in Mechanical Engineering at Anna University, Chennai, Tamilnadu, India. He secured Master of Engineering in Engineering Design at Anna University, Chennai, India. He Pursing Ph.D. in the field of AI Based Welding system Design at SRM University, Chennai, India. He is in teaching profession for more than 10 years.

**Areas of Research:**

AI based Welding system design

**Selected Publications:**

“Performance Analysis of Adjustable Rake Angle In Motorcycle” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001, Special Issue, page361-368, Jun 2018.

“Experimental Investigation of Creep Life of Aluminum Alloy 6061-T6 by Creep Indentation Test” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001, Special Issue, page 259-264, Jun 2018.

“Comparing Impact Behavior Of Natural Fiber With Termite Mound And Egg Cell Filler Added Reinforced Composite” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001,volume 8, Issue 3, page 301-308, June 2018

“Design and Development of Automatic Belt tensioning Mechanism” Journal Chemical and Pharmaceutical Science, ISSN 0974-2115 Volume 9, Issue 2, page 985-987, June 2016.

**Patents:**

IoT integrated fractional order control of doubly fed induction generator-based wind energy system powered by artificial intelligence, Patent Application Number: 202241061015, Publication Date (U/S 11a):18/11/2022.

Automated sprinkler system with adjustable range and IoT control- Patent Application Number: 202241069833, Publication Date (U/S 11A): 09/12/2022.

Rescue and surveillance vehicle for women's safety- Patent Application Number: 202141030392, Publication Date (U/S 11a) :16/07/2021

### **Books/Book Chapters Published:**

Textbook for “Economics and principles of management” Published in Mc Graw Hill, K.Vinothkumar and Dr. K.C.Udaiyakumar, ISBN-13: 978-81-942446-4-6, ISBN-10:81-942446-4-1

### **Achievements and Awards**

- Done a funded project under the National Innovation Foundation - Government of India (NIF), “Design of Pomegranate deseeding Machine”, the year 2014-2015.
- NPTEL Star best Discipline award December 2021

### **Certified Course:**

Certified Artificial Intelligence (AI) Associate, (17th January 2022 – 17th April 2022), securing an S grade in National Institute of Electronics and Information Technology, Government of India ISTE Complex, 25, Gandhi Mandapam Road, Chennai – 600025.

### **NPTEL Certified Courses: (10-Courses completed)**

### **Professional Bodies:**

Member – ISCA, IAENG

### **Google Scholar:**

<https://scholar.google.com/citations?hl=en&authuser=1&user=d21mOM0AAAAJ>

### **LinkedIn:**

<HTTPS://WWW.LINKEDIN.COM/IN/VINOTHKUMAR-K-A0BB51141/>