

Dr.T.Kamatchi M.E., Ph.D.

Associate Professor / Mechanical

Velammal College of Engineering and Technology, Madurai

e-Mail Id: tkt@vcet.ac.in

Educational Qualification:

Doctorate of Philosophy – Mechanical Engineering on title “Exploring the Effect of Relational Coordination In Indian Healthcare Supply chain” August 2019 at Anna University Technology, Chennai, Tamil Nadu, India.

Master of Engineering - Mechanical - Production (M.E.) at 2002-2004 from Thiagarajar college of Engineering, Madurai.

Bachelor of Engineering - Mechanical (B.E.) –1999-2002 from KLN College of Engineering, Madurai. (Affiliated to Madurai Kamaraj University).

Diploma - Mechanical (D.M.E.) –1997-1999 from Latha Madhavan Polytechnic, Madurai - (Technical Board).

Experience in Years:16

Employment History:

- Presently working as a Associate Professor in Mechanical Engineering Department at **“VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY” Madurai** since July 2010
- Worked as a Assistant Professor in Mechanical Engineering Department **“VELTECH ENGINEERING COLLEGE”** Chennai from August 2006 to Apr 2010. (3 Years and 9 Months)
- Worked as a Lecturer in Mechanical Engineering Department **“SHRI PADMAVATHY COLLEGE OF ENGINEERING” Chennai** from June 2004 to Aug 2006. (2 Years and 3 Months)

Interested Research Areas:

- Supply chain management
- Biomedical Device Analysis
- Industrial Enginneering
- Logistics

Scholarships and Awards received:**Funded Research Projects:**

Funding Agency: DST

Scheme: DST/TDP/BDTD

Title: **Hemiplegia and Finger Rehabilitation Therapy Device for Stroke patients**

Sanctioned Amount: 34,03,444/-dated 22.08.2019

Year: 2019

Principal Investigator(PI):Dr.M.Maran

Co-PI: Dr.T.Kamatchi

Patent rights received:04**Publications Details:****1. Patent Journal Publication Details:**

S.No	Inventor's Name	Title	Application No. & Patent Filed Date	Status
1.	Mr. T. Kamatchi	Semi Automated Bijili Knotter	E-2/580/2018-CHE	Provisional patent form submitted
2.	Mr. T. Kamatchi	Ankle rehabilitation device	E-2/2242/2018-CHE	Provisional patent form submitted
3.	Mr.T Kamatchi	Design and Fabrication of Sliding Mini Drafter	Ref: 3949/CHE/2012	Provisional patent form submitted
4.	Mr.T Kamatchi	Cardiac Resustitation Device	E-2/2611/2018-che	Provisional patent form submitted

2. International Journal Publication Details:

A paper titled "Healthcare relational coordination: a review on parameter selection for modified high performance work practices" in International Journal of Services and Operations Management –Inderscience Vol.35 No.2, 2020

A paper titled "Utilization of Solar Energy in Candle Making industries" in Energy & Fuels User's Journal on Apr - Jun 2009.

A paper titled “Protecting the Urban Environment from the Particulate Emissions of Diesel Engines” in Energy & Fuels User’s Journal on Jul-Sept 2009

A paper titled “Semi – Automated Bijili Knitter” in Recent Trends in Automation and Automobile Engineering, HBRP Publication Volume 1 Issue 3 Page 13-22 2018

3. International Conference Presentation Details:

The paper titled “REVIEW OF COORDINATION ISSUES IN INDIAN HEALTH CARE USING SUPPLY CHAIN” has been selected in International conference on Advanced Manufacturing and Automation (INCAMA 2013), Kalasalingam University.

The paper titled “REVIEW OF RELATIONAL COORDINATION ISSUES IN HEALTH CARE SYSTEM” at 1st International Conference on Business Analytics and Intelligence from 11 to 13 December 2013 at Indian Institute of Management Bangalore.

A paper titled “Relational Coordination Review issues in Health care system” in International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014), Anna University Chennai, January 6-8, 2014.

The paper titled “Evaluation of Relational Coordination in Health Care System-A review” at the International Conference on Advances in Mechanical Sciences –ICAMME’14 in Sri Krishna College of Engg & Tech, Coimbatore.

4. National Conference Presentation Details:

A paper titled “Camera calibration using extended standard direct linear transformation” in TECHON’08 at IFET College of Engineering

A paper titled “Calibrating Camera using Standard and Extended linear Transformation “on National Conference Global Technologies in Manufacturing and Thermal sciences at Sethu Institute of Technology on 22nd and 23rd April 2010

A paper titled “Review on Thermography Analysis “on National Conference Recent Trends in Automobile Engineering at Saveetha University on 11th March’2011.

The paper titled “Measuring of Hypothesis and Questionnaire Framework by Effect of Relational Coordination Issues in Health Care System” at National Conference on Emerging Trends in Automotive Technology –ETAT’15 in Velammal Engineering College, Chennai

5. Google Scholar report:

<https://scholar.google.co.in/citations?user=BU9tgdCAAJ&hl=en>