

**S.RAJESH****rajesh7581@gmail.com****M.E., Ph.D., (Manufacturing Engineering)****+91- 9840275185****WORK EXPERIENCE:****Dec 2011 - Till date: “Jeppiaar Engineering College”**, Chennai, Tamilnadu, India

- Job Profile: Working as **Assistant professor** in Department of Mechanical Engineering.

**June 2007-Nov 2011: “Adhiyamaan College of Engineering (Autonomous)”**, Hosur.

- Job Profile: Working as **Assistant professor** in Department of Mechanical Engineering.

**July 2006-May 2007 “S.B.C.Engineering College”**, Arni.

- Job Profile: Worked as **Lecturer** in Department of Mechanical Engineering.

**July 2005 – June 2006 “Thiruvalluvar College of Engineering and Technology”**, Vandavasi

- Job Profile: Worked as **Lecturer** in Department of Mechanical Engineering.

**EDUCATIONAL QUALIFICATION:**

<b>Learning Curve</b>	<b>Mentor Institution</b>	<b>Board/ University</b>	<b>Year of passing</b>	<b>Class Obtained</b>
Ph.D (Manufacturing Engineering)	Anna University, Chennai, Tamilnadu, India.	Anna University, Tamilnadu, India	2014	--
M.E (Manufacturing Engineering)	Thanthai Periyar Government Institute of Technology, Vellore Tamilnadu, India.	Anna University, Tamilnadu, India	2005	First Class
B.E (Mechanical Engineering)	Pallavan College of Engineering, Kanchipuram. Tamilnadu, India.	University of Madras, Tamilnadu, India	2003	First Class

**AREA OF SPECIALIZATION:**

- Mechatronics Engineering
- Machine shop Technology
- Manufacturing Engineering

**RESEARCH WORK DETAILS:**

**Title of the Ph.D Thesis:** Development of Model for On-Line Monitoring of Drill Wear using Virtual Instrumentation

**Most keywords used in the research work:**

- Drilling
- Drill wear monitoring
- Adaptive control theory
- Virtual Instrumentation
- LabVIEW
- Natural fiber reinforced composite laminates.

**PUBLICATIONS DETAILS**

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**✓ International Journals**

1. Rajesh, S. and Marimuthu, K. "Use of Cutting Current Signals for On-line Monitoring of Drill Wear" Journal of Modern Manufacturing Technology, Vol. 3(1), pp. 195-207, 2011.
2. Rajesh, S. and Marimuthu, K. "On-line drill wear monitoring system through cutting current signals by using virtual instrumentation", European Journal of Scientific Research, Vol.56, No.1, pp.51-60, 2011.
3. Rajesh, S. and Marimuthu, K. "On-Line Drill Wear Monitoring In High Speed Machining of Jute Fiber-Reinforced Composites Using Virtual Instrumentation", International Journal of Physical Sciences, Vol. 7, No.44, pp. 5900-5909, 2012.
4. 4. Rajesh, S. and Marimuthu, K. "On-line drill wear state monitoring by virtual instrumentation in machining of mild steel", Journal of Applied Sciences, Vol.12, No.14, pp.1456-1464, 2012.
5. Rajesh, S. and Marimuthu. K., "Development of On-line Drill Wear Monitoring System in Machining of HCHCr Steel using Virtual Instrumentation" International Review of Mechanical Engineering, Vol.6,no 7, pp.1551-1558, 2012.

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6. Rajesh, S. and Marimuthu, K. "On-Line Drill Wear State Monitoring by Virtual Instrumentation in Machining of Stainless Steel" ' Archives ' Journal, Vol.65, No.4, pp.38-352, 2012.
7. Rajesh, S. and Marimuthu, K. "Development of On-line Process Monitoring System in Drilling of Mild steel using Virtual Instrumentation" 'Wulfenia' Journal, Vol.19, No.10, pp.38-352, 2012.
8. Rajesh, S. and Marimuthu, K. "Development of On-line Drill Wear Monitoring System in Machining of AISI 1018 Steel using Virtual Instrumentation", International Review of Mechanical Engineering, Vol.7,no 6, 2013
9. Rajesh, S. and Marimuthu, K. "Development of On-line Process Monitoring System in Drilling of Stainless Steel Using Virtual Instrumentation", Research Journal of Applied Sciences, Engineering and Technology, (article in press), 2013.

#### ✓ International Conferences

1. Marimuthu, K., Rajesh, S. and Rajesh Ranganathan, "On-line drill wear monitoring through current signals using virtual instrumentation", International Conference on Computing and Information Technology (IC2IT 2011), King Mongkut's University of Technology, Bangkok, Thailand.

#### **PROFESSIONAL MEMBERSHIP**

- Life member in Indian Society of Technical Education (ISTE-LM62140)
- Life member in International Association of Engineers.(IAENG-104742)

#### **PERSONAL DETAILS**

Date of birth : 07-05-1981

Gender : Male

Nationality : Indian

Marital Status : Married

Languages Known : Tamil, English

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