

Faculty Profile

1. Name : Rajasekaran .T
2. Designation : Professor
3. Date of Joining : 26.05.2003
4. Nature of Association : Regular
5. E mail : trajasekaran@ksrct.ac.in
6. Mobile no. : +91 9865412942
7. **Academic Qualifications:**



Course	Name of the Institution / University	Year of Passing	% of Marks	Class
Ph.D (Alternate Fuel)	Anna university, Chennai, India	Oct 2015	-	-
M.Tech (Mechatronics)	VIT , Vellore, India	Jan 2003	8.72/10 (CGPA)	First
B.E. (EEE)	Adhiyamayan college of engineering, Hosur / University of Madras, India	Oct 1996	60.12	Second
H.S.C.	Govt. Hr. Sec. School, Valappadi, Salem, India	April 1991	63.25	First
S.S.L.C.	Govt. Hr. Sec. School, Valappadi, Salem, India	March 1989	63.0	First

8. Teaching Experience

- **Professor**, K.S.R. College of Engineering, Tiruchengode, from 01.12.2015 to till-date.
- **Assistant Professor**, K.S.R. College of Engineering, Tiruchengode, from 01.06.2008 to 30.11.2015.
- **Lecturer**, K.S. Rangasamy College of Technology, Tiruchengode, from 26.05.2003 to 31.05.2008.

9. Projects

Under Graduate

- **Title:** “Speed Control of Induction Motors with Hybrid plus Fuzzy Controller”

Post Graduate

- **Title:** “Automatic Control of Bottle Filling Using Programmable Logic Controllers with Conveyor Model”

Ph. D

- **Thesis title:** “Experimental investigation on suitability of hydrogen as an engine fuel using ANN modeling”

10. Publications

International Journals

1. **Rajasekaran, T**, Duraiswamy, K, Aravindd, KR, Thamilarasu, D, Chandraprabu, V & Suresh, S 2014, ‘Experimental investigation of four stroke diesel engine performance using neem oil with hydrogen as a fuel’, *Applied Mechanics and Materials* vol.592-594, pp.1559-1563.
2. **Rajasekaran, T**, Duraiswamy, K, Bharathiraja, M & Poovaragavan, S 2015, ‘Characteristics of engine at various speed conditions by mixing of HHO with gasoline and LPG’, *ARN Journal of Engineering and Applied Sciences*, vol. 10, no. 1, pp. 46 – 51.
3. **Rajasekaran, T**, Duraiswamy, K, Santhosh, M & Pooventhan, S 2015, ‘Production of hydroxyl gas by electrolysis process using different catalyst’, *International Journal of Applied Engineering Research*, vol.10, no.6, pp. 15611-15620
4. **Rajasekaran, T**, Duraiswamy, K & Vijayakumar, C 2015, ‘Analysis the performance and emission characteristics on dual fuel diesel engine using hydrogen with safflower methyl ester’, *International Journal of ChemTech Research*, vol.8, no.3, pp. 1114-1124.
5. Vijayakumar.C, A.Murugesan, N.Panneerselvam and **Rajasekaran.T**, Experimental Investigation on the effects of nanao additives on Mahua Indica Methel Ester - Desel fuel blends in Diesel Engine,(2017), *Asian journal of Research and Social Sciences and Humanities*, vol.7, no.1, pp. 120-130.
6. U.Murali, R.Pradeep, Vijayakumar.C and **T.Rajasekaran**, ‘The Development of a Framework for Strategic Noise Mapping’,(2017), *International Journal of Engineering Research and Applications*, vol.7, no.12, pp. 42-51.

International Conferences

1. **T.Rajasekaran** and S.Muthuramand , Evaluation of Fire Load and Fire Adequaces in Vrious Area of Automobile Industry, *Dhaanish Ahmed Institute of Technology, Coimbatore, India, 23 Mar.2019.*
2. S.Sangeeth kumar, **T.Rajasekaran**, Effective Utilization of Municipal Incinerated Ash in Fly Ash Brick, *International Conference of Nano materials and Nanotechnology (Nano-2015)*, Bannari Amman Institute of Technology, Sathy, 20 & 21 Apr 2012

National Conferences

1. P.Mohanraj, **T.Rajasekaran**, Extraction and characterization of wax from sugarcane press mud, *Department of Mechanical Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637 2152* 24 Mar 2015.
2. Karthikeyen .P, **T.Rajasekaran**, Minimize the Impact on Environment During Bleaching Operation, C.Abdul Hakeem College of Engineering and Technology, Vellore 5 & 6 Mar 2010.

11. Fellowships

-Nil-

12. Summer Training Programmes

- CSIR sponsored seminar on Emerging Application of nano fluid in mechanical engineering at KSRCT, Tiruchengode from 15 to 16 Mar 2011.
- ISTE Annual Convention on Emerging Trends in Engineering Education-Indian Perspective at KSRCT, Tiruchengode from 29 to 30 Oct 2010
- Staff Development Programme on Emerging Trends in Alternative Fuels and Emission Control Techniques for IC Engines at Dept. of Automobile Engineering, IRTT, Erode, from 24 Nov 2010 to 07 Dec 2010
- DRDO Sponsored seminar on Smart Sensors in Underwater Autonomous Robots at KSRCT, Tiruchengode, from 05 to 06 March 2010
- AICTE Sponsored Seminar on Computational Intelligent Techniques of Machine Vision System at Low Cost Automation for Manufacturing Industries at KSRCT, Tiruchengode, from 22 to 23 June 2010
- CSIR Sponsored Seminar on Bio-Telematics at KSRCT, Tiruchengode from 29 to 30 June 2010
- CSIR sponsored seminar on Recent Advancement In Industrial Automation at KSRCT, Tiruchengode from 25 to 26 Nov 2009
- CSIR sponsored seminar on Mechatronics Based Instrumentation for Manufacturing Automation, at KSRCT, Tiruchengode, from 12 to 13 Nov 2009
- DST sponsored National Seminar on Smart Materials in Industrial Automation, at KSRCT, Tiruchengode from 24 to 25 March 2009
- Faculty Development Programme Teaching with Joy at KSRCT, Tiruchengode on 12 Feb 2009
- AICTE sponsored national seminar on Emphasis on Fluid Power System at Low Cost Automation for Textile Industries at KSRCT, Tiruchengode from 30 to 31 Jan 2009
- CSIR sponsored seminar on Auto – Telematics at KSRCT, Tiruchengode from 10 to 11 Oct 2008
- Workshop on Communicative English by Col's caliber Coimbatore from 06 Sep 2008 to 27 Nov 2008

- Faculty Development Programme of Organizational Effectiveness at HRD, KSRCT, from 14 to 15 Nov 2008
- Teachers Training Programme of Instructional Design and Delivery at National Institute Of Technical Teacher's Training And Research, Mumbai from 08 to 13 Sep 2008

1. **Funds Received to Organize the Seminar**

- Nil -

2. **Invited Lecture Delivered**

- Delivered an invited lecture on '**Automotive Electronics**' in AICTE sponsored seminar on "Current Trends in Automobiles" organised by Department of Mechanical Engineering, Nandha Polytechnic college during November 24-25, 2009.
- Delivered an invited lecture on '**Bio sensors**' in AICTE - ISTE Sponsored Five Days National Seminar on "Low Cost Automation for Agricultural Enhancement using "MEMS"" organized by Department of Mechanical Engineering, K,S.R.I.E.T. Tiruchengode – 637 215 during June 18-23, 2018.

3. **Membership in Professional Bodies**

- **Life Member**, Indian Society of Technical Education (ISTE) – LM 42876.

4. **Awards and Recognitions**

- Received Best Researcher Award 2016 from Indian Academic Researchers Association (India) – Tiruchy Local Centre on the occasion Engineers Day Celebrations 2017 on 22.04.2017
- Received Inovative Research and Dedicated Professor Award from The society of Innovative Educationalist and scientific Research Professional 2018, Coimbatore on 25.03.2018.

5. **Resrach Activities**

-Nil-

6. **Abroad Visit**

-Nil-

7. **Personal Details**

Fathers Name : A.Thangaraju

Date of Birth & Age : 17.07.1974 & 45 Years

Gender : Male

Marital Status : Married

Present Address : 48/7, SVA Extn, Kamadenu Complex,
Thondikaradu, Tiruchengode,
Namakkal District
Tamilnadu, India.