


Name	Dr. P. KANAKARAJAN			
Department	Mechanical Engineering			
Qualification	B.E. M.E., Ph.D.,			
Area of Specialization	PRODUCTION TECHNOLOGY & ACOUSTIC EMISSION TECHNIQUE			
Date of Joining (KSR IET)	01.04.2021			
Experience (as on 30.06.2021)	Teaching: 29 Years 10 Months	Industry: 00	Others: 00	
Number of Papers Published	National Journals : 00 International Journals : 03			
Number of Papers Presented	National Conferences : 00 International Conferences : 00			
Books Published	National Publisher : 00 International publisher : 01			
Contact Details	E Mail: kanagu.dhana@ksriet.ac.in Mobile: 9842555119			

Title of Ph.D. Thesis : Experimental investigation on surface roughness of machined alumina and simultaneous wear of silicon carbide grinding wheel by using acoustic emission technique.

Faculty in which Ph.D. was awarded : Faculty of Mechanical Engineering

Recognized Ph.D. Supervisor

- Anna University Supervisor Ref. No.: 3320071, Chennai – 600 025, Tamil Nadu, INDIA.

Publications (International Journals)

1. **Kanakarajan, P**, Sundaram, S, Kumaravel, A, Rajasekar, R & Sathishkumar, P 2015, ‘Acoustic emission testing of surface roughness and wear caused by grinding of ceramic materials’, Materials Testing, vol. 57, no. 4, pp. 337-342.
2. **Kanakarajan, P**, Sundaram, S, Kumaravel, A, Rajasekar, R & Venkatachalam, R 2016, ‘Acoustic emission testing of the machining performance of SiC grinding wheel shaped Al₂O₃ ceramics’, Materials Testing, vol. 58, no. 10, pp. 908-912.
3. **Kanakarajan, P**, Sundaram, S, Kumaravel, A, Rajasekar, R & Venkatachalam, R 2017, ‘Prediction of the surface roughness and wheel wear of modern ceramic material (Al₂O₃) during grinding using multiple regression analysis model’, Indian Journal of Engineering & Materials Sciences, vol. 24, June 2017, pp. 182-186.

Books / Instruction materials / monograms published

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing
1.	“Electrochemical Super Capacitors Fabricated by the Layer-by-Layer (LbL) Technique”	P.Kanagarajan C.Moganapriya, P. Sathish Kumar & Samir Kumar Pal	Materials Research Forum LLC 26 (doi.org/10.21741/9781945291579-8), Chapter 8, pp. 236 – 262.	2018

NPTEL Online Certification Course:

1. ‘Fundamentals of Manufacturing Processes’, P. Kanakarajan, Jul – Oct 2019, for successfully completed with Elite from Indian Institute of Technology, Roorkee.

Patents:

1. Accident Prevention System by Electromagnetic Bumper, Patent filled on 03.12.2019, Intellectual Property India, Government of India. Application No: 201941049644. Reference No: E-2/38872019-CHE.

Membership of Professional Bodies:

- Life Membership, Indian Society for Technical Education (ISTE) India.
- Life Membership, MIE.

List of Short Term Courses Organized:

Sl. No.	Details of Short term Courses/Conferences Organized
1.	Coordinator for a workshop on “Advanced IC engines”, under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, during 23 – 24, February 2017.
2.	Coordinator for a workshop on “Environmental Sustainability through Research and Development”, under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 09, September 2016.
3.	Coordinator for a workshop on “Automotive Engine and Vehicle Technology” under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 12 August 2015.
4.	Coordinator for a workshop on “Present Scenario of Automobile Industries” under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 10 January 2015.
5.	Coordinator for a National Level Technical Symposium conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 22 August 2014.
6.	Coordinator for a one day seminar on “Recent Trends in Automobile Electronics” under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 07 October 2013.
7.	Coordinator for a one day seminar on “Latest Technologies in Automobile Industries”, under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 19 January 2013.
8.	Coordinator for a one day seminar on “Best Practices in Automobile Industry”, under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 04 July 2012.
9.	Coordinator for a workshop on “New Frontiers in Research Computing”, under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, during 03 – 04, February 2012.
10.	Coordinator for a one day seminar on “Vehicle Dynamics and Testing”, under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 28 January 2012.
11.	Coordinator for a one day seminar on “Emission Control Methods and Norms for Automotive Vehicles”, under Self-Financed Category, conducted at K.S.R. College of Engineering, Tiruchengode, Namakkal, on 20 December 2011.

List of Short Term Courses Attended:

Sl. No.	Details of Short term Courses/Seminars/Workshops Attended
1.	A webinar on “Latest Developments in Robotic & Manual MIG Welding Systems” conducted by the Siemens Centre of Excellence in Manufacturing, NIT, Trichy, Trichy in association with AMAR Tech, Bangalore & Kemppi India Ltd on 03.06.2021.
2.	5 - Days online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by AICTE from 14 – 18 June 2021.
3.	The online webinar on “Composite in Precision Engineering” organized by Department of Mechanical Engineering, BIST, BIHER, Chennai and Department of Mechanical and Manufacturing, UKM, Malaysia on 05 th June 2021.
4.	MHRD sponsored Faculty Development Programme on “Fundamentals of manufacturing processes” organized by NPTEL-AICTE from July 2019 to October 2019.
5.	One day workshop on “Outcome Based Education” organized by K.S.R. College of Engineering, Thiruchengode, Namakkal, Tamilnadu on 01 November 2018.
6.	A National level workshop on “Big data analytics, Artificial Intelligence, Machine learning and Deep Learning” organized by K.S.R. College of Engineering, Thiruchengode, Namakkal, Tamilnadu on 31 October 2018.
7.	A One Day National level workshop on “Writing Successful Proposal to Funding Agencies” organized by K.S.R. Institute For Engineering and Technology, Thiruchengode, Namakkal, Tamilnadu on 31 August 2018.
8.	A National level Workshop on “Industrial Automation using – PLC program” organized by Department of Mechanical Engineering, Nandha College of Technology, Erode, Tamilnadu from 02 August to 03 August 2017.
9.	One day seminar on “Patent Filing in India and other Countries” organized by K.S.R. College of Engineering, Thiruchengode, Namakkal, Tamilnadu on 08 August 2016.
10.	A International level workshop on “Journal Paper Writing and Preparation of Winner Research Proposal” organized by K.S.R. College of Engineering, Thiruchengode, Namakkal, Tamilnadu from 19 August to 20 August 2016.
11.	A National level Workshop on “Blooms Taxonomy and its Assessments” organized by K.S.R. College of Engineering, Thiruchengode, Namakkal, Tamilnadu on 20 March 2015.