

**Profile:**

**Prof. Dr. Sivakumar KARTHIKEYAN** was graduated in Mechanical Engineering from University of Madras in 1997, received his Master's in Design and Production of Thermal Power Equipment's with Specialization in Alternative Fuels from National Institute of Technology, Trichy, in 2003 and was conferred Ph. D. in April 2015 by the Anna University, Chennai.

**He** had worked in the capacity of Lecturer, Asst. Prof, Associate Prof. and HOD of the department of Mechanical Engineering of SRM Valliammai Engineering College for a period of over Eighteen years [2004-till]. Having over 20 years of experience in teaching and administration, his fields of interest are Energy, Thermal - Turbomachine and Computational Fluid Dynamics (CFD), in which he has over **40 (Forty) Technical Papers** published in National / International reputed Conferences / Journals and filed **Five Patents was accepted and published and one patent was granted** with his peers. Authored **Five text** books. He had received Rs. 10,00,000/- as Grant-in-Aid under the MODERNISATION AND REMOVAL OF OBSOLESCENCE [MODROB] scheme from All India Council for Technical Education [AICTE] in the financial Year 2019-2020. He is a Fellow of SAE (Society of Automotive Engineers), Annual Member of Indian Science Congress Association, and Member of IAENG.

**He was** the **Convener** of 1<sup>st</sup> & 2<sup>nd</sup> **International Conference** on Smart Automation in Computer, Electrical, Electronics and Communication Engineering (ICSA2K19&ICSA-2021) held during 6<sup>th</sup>-7<sup>th</sup> Sept.2019 & 10<sup>th</sup> April 2021 respectively @ SRMVEC. He is an approved PG Teacher & Ph.D., Supervisor of the Anna University, Chennai, Vel. Tech., Sathyabhama University and Currently, he is guiding Two Research Scholars. He served as a reviewer for Heat and Mass Transfer, International Journal of Turbo and Jet Engines, Applied Mechanics and Materials, Australian Journal of Mechanical Engineering, Material today: proceedings, Energy Conversion and

Management and Journal of Mechanical Science and Technology. Successfully completed seven online courses conducted by NPTEL [National Programm on Technology Enhanced Learning] funded by the Ministry of HRD, Govt. of India by: 1. Power Plant Engineering 2. Laws of Thermodynamics, 3. Introduction to Research, 4. Engineering Graphics 5. Basics of Finite Element Analysis – I, 6. Ethics in Engineering Practice and 7. Power Plant Engineering. He has guided more than 55 UG projects and 7 PG projects. He has chaired sessions on International Conferences conducted by SRM University and Sri Sairam Institute of Technology in the academic year 2019-20 and 2020-21 respectively. As the head of the department in Mechanical Engineering, taking care of the academic and administrative activities for the department from December 2010 to June 2015, he was successfully completed 2 NBA Accreditation in his department, one NAAC Accreditation in my college and also to elevated his department as a Research Centre for Anna University, Chennai. He was the coordinator for network institute of IIIRS/ISRO outreach network programme in his college.