

Department of Mechanical Engineering

Personal Details

Name:	Mr.T.Thomas koilraj
Designation:	Assistant Professor
Educational Qualification:	M.E.
Experience:	27 years
Area of Specialization:	Manufacturing, Composite Materials

Educational Details

S.No.	Degree	Branch/Specialization	Institute/University	Year
1	B.E	Mechanical Engineering	Madras University	1995
2	M.E	Computer Integrated Manufacturing	Anna University	2008

Publication Details

International Journal

1. “Hybrid Nano Composites – A Review” a technical paper published in Journal of Applied Mechanics and Materials (Transtech Publication, Switzerland)Vols.766-767(2015), pp 50-56.
2. “Experimental study on Mechanical Properties of PA66 blended with MWNTs” a technical paper published in Journal of Applied Mechanics and Materials (Transtech Publication, Switzerland) Vols.766-767 (2015), pp 383 – 388.
3. “Passive Measurement Techniques for IoT Device Behavior on the Internet published in Journal of Internet Services and Information Security (JISIS), volume: 15, number: 4 (November 2025), pp. 102-112.

International Conference

1. “Synthesis of Carbon Nanotubes using Fe-Mo bimetallic catalyst by CVD method” at the International conference on Advances in Engineering, Science and Management, conducted by EGS Pillay Engineering College, Tamil Nadu India on 30th and 31st March 2012.

2. “Optimization of Hydraulic valve design using Computational Fluid Dynamics” at the International conference on ‘Frontiers in Design and Manufacturing’ conducted by Karunya University, Coimbatore, Tamilnadu, India on 1st and 2nd February 2008.
3. ‘Effective Study of Tensile, Compressive and Impact properties with and without fiber orientation for epoxy glass fiber and carbon fiber composites’ at the International conference on Computational Intelligence and Advanced manufacturing Research conducted by VELS university, Chennai on 2nd and 3rd May 2013.
4. ‘Characterization of Hybrid Nanocomposites’ at the International conference on Modeling, Optimization and Computing, conducted by Noorul Islam University, Tamilnadu, on 10th and 11th April 2014.
5. “Blockchain Technology in Supply Chain Management A Survey of Applications Challenges and Opportunities” at ITM Web of Conferences Volume 76 (2025)

Professional Society Membership

1. ISTE (The Indian Society for Technical Education) Life Member:
2. NIQR(National Institute of Quality and Reliability) Life Member: **LM CH481**
3. ISCA (International Science Congress Association) Life Member

Program Attended

FDP/STTP

1. ATAL online FDP on 3D Printing and Design conducted by IIITDM, Kurnool from 19.10.2020 to 23.10.2020.
2. AICTE sponsored online STTP program on “SMART MANUFACTURING – OPPORTUNITIES AND CHALLENGES” conducted by St. Josephs College of Engineering, Chennai from 17.08.2020 to 22.08.2020.
3. AICTE sponsored online STTP program on “RAPID PROTOTYPING AND DIGITAL MANUFACTURING” conducted by NSS College of Engineering Palakkad.
4. ATAL online FDP on Industry 4.0 – Smart Manufacturing and Sustainable development conducted by Sathyabama Institute of Science and Technology from 06.01.2025 to 11.01.2025.
5. ATAL online FDP on AI-Enhanced 6G: Pioneering the Next Generation of Wireless Innovation at BANNARI AMMAN INSTITUTE OF TECHNOLOGY from 10/02/2025 to 15/02/2025.
6. ATAL online FDP on Cyber Security & Applications at Vellore Institute of Technology, Andhra Pradesh from 01/09/2025 to 06/09/2025.

Other Details

Patents

1. "A method and device for the deformation of the waste containers through pneumatic operated cylinder." – Patent office journal no.50/2020 dated 11/12/2020.

Books and Chapters

1. Textbook on "COMPUTER AIDED DESIGN " Co Author
2. Textbook on "MANUFACTURING TECHNOLOGY-I" - Co Author
3. Textbook on "PRINCIPLES OF MANAGEMENT" – Co Author.
4. Textbook on "COMPUTER INTEGRATED MANUFACTURING " Co Author
5. Textbook on "MECHATRONICS" - Co Author