

Faculty Member Profile

PERSONAL INFORMATION:

Name: Mr. K. Gobivel

Title(s) / Position(s): Assistant Professor

Department: Mechanical Engineering

Current Designation: Assistant Professor

Years in Current Designation: 07 yrs

Gender: Male Ethnicity: Engineering

Primary Discipline: Mechanical



DEGREES AND OTHER CREDENTIALS:

M.E. Manufacturing Engineering

SSN College of Engineering (2012 – 2014) – First class with Distinction

B.E. Mechanical Engineering

Jaya Engineering College (2007 – 2011) – First class

Google scholar:-

https://scholar.google.com/citations?view_op=list_works&hl=en&authuser=1&hl=en&user=s6VJYewAAAAJ&authuser=1

PROFESSIONAL BODY MEMBERSHIP (if any) :

1. The Institution of Engineers (India) – Corporate member

Previous work experience:

Name of the Organization / Institution	Designation / Position	Service between (MM-YY to MM-YY)	Years of service
TVS Srichakra Ltd	Project Engineer Trainee	Jul 2014 to Jun 2015	1 year
Universal Radiators Ltd	Production Engineer Trainee	Jul 2011 to Jun 2012	1 year

Appointment with the School / Department of Mechanical Engineering:

Type of appointment: Full Time

RECENT PUBLICATION (LAST THREE YEARS) :

Patent

1. S. Jesudass Thomas, V Gopal, M.Vignesh Kumar, **K. Gobivel**, S Rajesh Kannan An Investigation of Abrasive Water Jet Machining on Glass Fiber Reinforced Polymers, Commonwealth of Australia, 2021.

Journal Publications

1. **K. Gobivel**, K. S. Vijay Sekar, G. Prabhakaran, R. Sugun Elankavi, Experimental Investigations on Orthogonal Turning of Inconel 718 with TiAlN Coated Tool, Materials Science Forum, Vol. 979, 2020, pp 142-148.
2. **K Gobivel**, KS Vijaysekar, G Prabhakaran, Impact of cutting parameters on machining of Ti-6Al-4V alloy: an experimental and FEM approach, International Journal for Simulation and Multidisciplinary Design Optimization (IJSMDO), Vol. 12, 2021.
3. **K. Gobivel**, K S Vijaysekar, G. Prabhakaran, Finite Element Analysis of High-Speed Machining of CFRP Material, Lecture Notes in Mechanical Engineering, 2018, pp 137 – 147.
4. Y. Allwin Roy, **K. Gobivel**, K. S. Vijay Sekar, S. Suresh Kumar, Impact of Cutting forces and Chip microstructure in High Speed Machining of Carbon fiber – Epoxy composite tube, Archives of Metallurgy and Materials, Vol.62 (3), 2017, pp 1771-1777.
5. **K Gobivel**, YA Roy, KSV Sekar, SS Kumar, Finite element simulation of the machining process with CFRP material, Vol. 3, 2014, pp 1326 – 1329.

Professional Activity

Actively involved in developing virtual lab for Metrology & Measurements Laboratory under the guidance of NITK & IIT PALS