



## ADDRESS

### OFFICE

Department of Mechanical  
Engineering  
LBS College of Engineering  
Muliyar Post  
Kasaragod - 671542

### RESIDENCE

7 – A  
Blue Vista  
Puthiyangadi  
Kozhikkode

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# SWARAJ KUMAR B

ASSOCIATE PROFESSOR

## EDUCATION

### COLLEGE OF ENGINEERING TRIVANDRUM

2003 - 05  
M TECH IN PROPULSION ENGINEERING

### GOVT. ENGINEERING COLLEGE BARTONHILL

1999-2003  
B TECH IN MECHANICAL STREAM AUTOMOBILE ENGINEERING

## TEACHING EXPERIENCE

### VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, MUVATTUPUZHA

January 2006 to August 2006

### CO-OPERATIVE INSTITUTE OF TECHNOLOGY, VATAKARA

August 2006 to February 2008

### LBS COLLEGE OF ENGINEERING

February 2008 to till date

## RESEARCH INTERESTS

Energy Storage  
Renewable Energy  
Energy System Modelling  
Low Grade Energy Utilization

## SUBJECT TAUGHT

**UG:** Engineering Mechanics, Fluid Mechanics, Fluid Machinery,  
Mechanics of Machinery, Computer Aided Design and Analysis,  
Machine Design, Compressible Fluid Flow.

**PG:** Aerodynamics, Research Methodology

## MEMBERSHIP IN PROFESSIONAL BODIES

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Life Time Member **ISTE**

## FACULTY DEVELOPMENT PROGRAMME ATTENDED

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- AICTE-Training And Learning (ATAL) Academy online Faculty Development Programme on CFD; from 4-01-2021 to 8-01-2021 at L B S College of Engineering, Kasaragod, Kerala.
- AICTE-Training And Learning (ATAL) Academy online Faculty Development Programme on "Block Chain" from 2-11-2020 to 6-11-2020 at LBS College of Engineering Kasaragod, Kerala.
- Workshop on Editing and Finalisation of Malayalam Translations: Heat Transfer by J P Holman conducted at National Translation Mission
- STTP on Recent Trends in Big Data Computing, Mining and Security organized by LBS College of Engineering
- STTP on Modern Trends in Energy Environment and Green Technology organized by CUSAT
- International Workshop on Advances in Heat Pipe Technology organized by Government College of Engineering Kannur
- Short term training programme in operation and programming of CNC milling machine organized by LBS College of Engineering Kasaragod
- STTP on FEM & Applications in Engineering Using ANSYS organized by Government College of Engineering Kannur
- STTP on Trends and Advancements in Aerospace Engineering organized by SCT College of Engineering, Thiruvananthapuram
- AICTE-Faculty Development Program on "Spotlight on Risk Management of Chemical Plants/Oil Refineries" from 27 th April to 9 th May 2009 at Amal Jyothi College of Engineering, Kanjirappally, Kerala.

## PUBLICATIONS

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- "Numerical and Experimental Analysis of Porosity Effect on the Performance of a Small scale Thermochemical reactor" 11<sup>th</sup> International Exergy, Energy and Environment Symposium (IEEES – 11) Conducted by SRM Institute of Science and Technology.
- "Thermochemical Energy Storage System" 4<sup>th</sup> National Conference on Technological Advancements in Engineering, conducted by Sree Narayana Guru College of Engineering and Technology
- "Experimental Investigation of a Solid / Moist Air Thermochemical Storage Process for Waste Heat Recovery" International Journal of Engineering Research and Technology
- "Experimental and Theoretical Analysis of Thermal Energy Storage with Magnesium Chloride as TCM" International Research Journal of Engineering and Technology
- "Experimental Investigation of a solid/moist air thermochemical storage process for waste heat recovery," International conference on emerging trends in mechanical engg. ICETME'15
- "Experimental investigation of performance on a PCM assisted solar water heater" International conference on emerging trends in mechanical engg. ICETME'15

## **ADMINISTRATIVE WORKS UNDERTAKEN**

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- Coordinator AICTE ATAL Faculty Development Programme
- Deputy warden of college hostels since 2020
- Chief Superintendent Kerala Technological University (2015 – 2020)
- Class Advisor 2019 – 23 Batch
- Staff Editor to College Magazine (2019 – 20)
- Secretary Staff Club (2017 – 18)
- Class Advisor 2015 – 19 Batch
- Convenor, Bus committee (2014 – 15)
- Administrator for Option Facilitation Centre (2011 – 2014)
- PTA Joint Secretary (2010 – 2012)
- Staff Advisor to College Union (2008 - 2009)
- Class Advisor 2008 – 12 Batch