



SWARAJ KUMAR B

ASSISTANT PROFESSOR

ADDRESS

OFFICE

Department of Mechanical
Engineering
LBS College of Engineering
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RESIDENCE

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Government Employees Quarters
Udayagiri, Vidyannagar
Kasaragod - 671123

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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

Since February 2008

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

Life Time Member **ISTE**

FACULTY DEVELOPMENT PROGRAMME ATTENDED

- 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

- "Numerical and Experimental Analysis of Porosity Effect on the Performance of a Small scale Thermochemical reactor" 11th International Exergy, Energy and Environment Symposium (IEEES – 11) Conducted by SRM Institute of Science and Technology.
- "Thermochemical Energy Storage System" 4th 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

- 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