

# SAJAN JEROME

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Kerala 695025  
India

## ACADEMIC EXPERIENCE:

Period	Position Held	Institution	Years
01-09-2021 till date	Asst.Prof.	LBS College of Engg, Kasaragod	-
02-07-2021 to 31-08-2021	Asst.Prof.	LBS Institute of Technology for Women, Poojappura, Trivandrum	2 Months
04-07-2018 to 01-07-2021	Research Scholar (QIP)	National Institute of Technology Thiruchirappalli Tamil Nadu	3 Years
06-06-2012 to 03-07-2018	Asst.Prof.	LBS Institute of Technology for Women, Poojappura, Trivandrum	6 Years 7 Months
28-02-2008 to 05-06-2012	Asst.Prof.	LBS College of Engg, Kasaragod	4 Years 4 Months
03-01-2007 to 27-02-2008	Lecturer	Mar Baselios College of Engg. & Technology, Bethany Hills, Nalanchira, Trivandrum	1 Year 1 Month
04-08-2003 to 03-01-2005	Lecturer	Mary Matha College of Engg. & Technology, Trivandrum	1 Year 4 Months

**Core Subjects Handled:** Advanced Energy Engg., Refrigeration & Air Conditioning, Thermal Engg., Heat & Mass Transfer, Fluid Mechanics & Machinery, Thermodynamics, Mechanical Measurements & Instrumentation, Machine Drawing, Industrial Management, Basic Mechanical Engg., Engg. Graphics  
(Had been appointed as examiner by university for Centralized Valuation & Revaluation of all these subjects).

**Labs Handled:** Fluid Mechanics & Machinery Lab, Thermal Engg. Lab, Heat Transfer Lab.  
(Had been appointed as internal & external examiner by university for of all these labs).

## PROFESSIONAL & EDUCATIONAL QUALIFICATIONS:

Qualification	Year of Passing	Board/ University	Institution	Percentage (%)
Ph.D	Ongoing	National Institute of Technology Trichy	National Institute of Technology Trichy	-
M.Tech (Industrial Refrigeration & Cryogenic Engg.)	2006	Kerala University	TKM College of Engg. Kollam	8.78 (CGPA)
B.Tech (Mechanical Engg.)	2002	Cochin University	College of Engg. Adoor	72.5
Pre-Degree (First Group)	1998	Kerala University	Mar Ivanios College Trivandrum	First Class
S. S. L. C	1996	Board of Public Examinations, Kerala	St. Thomas High School Trivandrum	Distinction

## PUBLICATIONS:

- *"Theoretical Studies of Single Stage Orifice Pulse Tube Refrigerator"*, Proceedings of VII National Conference on Technological Trends 2006, (205-209), College of Engg., Thiruvananthapuram
- *"A Comparison on Total Cost of Ownership for Internal Combustion Engine and Battery Electric Two-Wheelers in India"*, Proceedings of National Conference on Advances in Energy Efficient Technologies (NCAEET-2019), (205-209), Marian Engineering College., Thiruvananthapuram
- *"Assessment of gasoline consumption and greenhouse gas emission reduction on using battery electric two-wheeler in India"*, Sajan Jerome, M Udayakumar. Journal of the Brazilian Society of Mechanical Sciences and Engineering. (2021) DOI: [10.1007/s40430-020-02756-x](https://doi.org/10.1007/s40430-020-02756-x)
- *"A Study on Cost Effective Electric Vehicle Charging Infrastructure in India Through Open Access Power Procurement"*, Sajan Jerome, M Udayakumar. Arabian Journal for Science and Engineering. (2021) DOI: [10.1007/s13369-021-06012-9](https://doi.org/10.1007/s13369-021-06012-9)
- *An Economic Feasibility Study of Electric Vehicle Charging Stations in India"*, Sajan Jerome, M Udayakumar. Arabian Journal for Science and Engineering. Sajan Jerome, M Udayakumar First Biennial International Conference on Hybrid Electric and Automotive Technologies (HEAT 2021) organized by PES University on October 29-30, 2021

## **COURSES ATTENDED**

- “Induction Training Programme”, LBS Institute of Technology for Women, Poojappura, Trivandrum  
(04/06/2008 to 06/06/2008, 03 days)
- “Simulation Software and Loco Engineering”, Department of Electrical & Electronics Engg., LBS College of Engg., Kasaragod  
(27/03/2009 to 28/03/2009, 02 days)
- “Research Orientation Programme on Numerical Simulation”, Department of Mechanical Engg., Govt. Engg. College Batron Hill, Thiruvananthapuram  
(22/06/2009 to 03/07/2009, 12 days)
- “Automobile Technology-Status and Challenges”, Department of Mechanical Engg., College of Engg., Thiruvananthapuram  
(14/12/2009 to 19/12/2009, 06 days)
- “Research Methodology”, Department of Mathematics, LBS Institute of Technology for Women, Poojappura, Thiruvananthapuram  
(04/03/2013 to 08/03/2013, 05 days)
- “Trends and advancements in Aerospace Engg.”, Department of Mechanical Engg., SCT College of Engg., Pappanamcode, Thiruvananthapuram  
(17/10/2013 to 30/10/2013, 14 days)
- “Outcome Based NBA Accreditation ”, Department of Computer Science & Engg., LBS Institute of Technology for Women, Poojappura, Thiruvananthapuram  
(28/01/2015 to 30/01/2015, 03 days)
- “Pedagogical Training.”, Teaching Learning Centre., Indian Institute of Technology, Madras  
(23/04/2015 to 25/04/2015, 03 days)
- “Research Methodology for Science, Engineering & Management.”, Department of Mechanical Engg., National Institute of Technology, Calicut  
(25/05/2015 to 30/05/2015, 06 days)
- “LATEX- A Tool for Effective Documentation.”, Department of Electronics & Communication Engg., LBS Institute of Technology for Women, Poojappura, Thiruvananthapuram  
(06/07/2015 to 08/07/2015, 03 days)
- “Engineering Graphics.”, Department of Mechanical Engg., Marian Engg. College, Thiruvananthapuram  
(20/06/2016 to 22/06/2016, 03 days)

- “Timeless Leadership-Ignite the Spark in your Heart.”,Translational Research & Professional Leadership Centre(TPLC), Govt. Engg. College Batron Hill, Thiruvananthapuram  
(27/06/2016 to 30/06/2016, 04 days)
- “Installation Testing and Maintenance of Solar Thermal Systems.” , APEX Hi-Tech Institute, Govt. of India, Bangalore  
(18/07/2016 to 22/07/2016, 05 days)
- “Technology Enabled Teaching & Learning.” , Indian Institute of Management, Kozhikode  
(08/08/2016 to 12/08/2016, 05 days)
- “Research Scope in Thermal Engineering.”, Department of Mechanical Engg., Government College of Engg. Salem  
(13/12/2016 to 19/12/2016, 07 days)
- “Solar Energy Technologies.”, GIAN Course, Department of Mechanical Engg., National Institute of Technology, Tiruchirappalli  
(08/05/2017 to 18/10/2017, 11 days)
- “Recent Trends in Solar Energy and Instrumentation.”, Department of Mechanical Engg., National Institute of Technology, Tiruchirappalli  
(09/06/2017 to 11/06/2017, 03 days)
- “E-Vehicle: A Green Approach for Sustainable Development (EV-GASD’19).”, Department of Electrical & Electronics Engg.,Mar Baselios College of Engg. & Technology, Nalanchira, Thiruvananthapuram  
(07/01/2019 to 11/01/2019, 05 days)
- “E-Mobility.”, Department of Mechanical Engg. & Division of Electrical Engg., SCT College of Engg. & Technology, Pappanamcode, Thiruvananthapuram  
(26/06/2019 to 01/07/2019, 06 days)
- “Combustion Generated Pollution Control.”, Department of Mechanical Engg., National Institute of Technology, Tiruchirappalli  
(16/12/2019 to 20/12/2019, 05 days)
- “Workshop on Electric Vehicles.” (Online Mode), Teaching Learning Centre (Under PMMMNMTT, Department of Higher Education, MHRD, GoI) Coimbatore Institute of Technology, Coimbatore  
(5,6,12 & 13 December 2020, 04 days)
- “Li-Ion Battery Technology.” (Online Mode), Department of Mechanical Engg., MIT School of Engg., MIT Art, Design & Technology University, Rajbaug, Pune  
(22 February 2021 to 07 March 2021, 14 Sessions)

## **COURSE CO-ORDINATED:**

- “Operation and Programming of CNC Milling Machine.” TEQIP Sponsored Staff Development Programme, Department of Mechanical Engg., LBS College of Engg., Kasaragod (03/12/2010 to 05/12/2010, 03 days)

## **RESPONSIBLE POSITIONS HELD:**

- ✓ Staff Advisor for class-, LBSITW Thiruvananthapuram
- ✓ Faculty in Charge, Road Safety Club-LBSCE Kasaragod
- ✓ Faculty in Charge Machine Shop-LBSCE Kasaragod
- ✓ Resident Tutor- LBSCE Kasaragod
- ✓ Secretary Staff Club, LBSCE Kasaragod
- ✓ Faculty in Charge Fluid Mechanics & Machinery Lab- LBSITW Thiruvananthapuram
- ✓ Assistant Placement officer- LBSITW Thiruvananthapuram
- ✓ Member Anti Ragging Squad- LBSITW Thiruvananthapuram
- ✓ Member Time Table Committee-LBSCE Kasaragod,LBSITW Thiruvananthapuram
- ✓ Nodal Officer, Equity Action Plan, TEQIP II- LBSITW Thiruvananthapuram
- ✓ Member Question Paper Scrutiny Committee- LBSITW Thiruvananthapuram
- ✓ Member Committee for Building and Civil Work- LBSITW Thiruvananthapuram
- ✓ Co-Ordinator, Anti Ragging Squad- LBSITW Thiruvananthapuram

## **MEMBERSHIP IN PROFESSIONAL BODIES**

- |  |           |
|--|-----------|
| 1. Indian Society for Technical Education    | LM 65176  |
| 2. The Institution of Engineers (India)      | M-1657652 |
| 3. Energy Conservation Society               | LM 2672   |
| 4. Indian Society for Heat and Mass Transfer | LM 1651   |

## **PERSONAL PROFILE**

**Age** : 21 MAY 1981  
**Father's Name** : P.JEROME  
**Marital Status** : Married  
**Linguistic Ability** : English, Malayalam, Hindi  
**Hobbies** : Reading Books and Periodicals.

## **DECLARATION:**

I hereby declare that the information furnished above is true to the best of my knowledge.

Date: 09/05/2022

Place: Kasaragod

Sajan Jerome