

## Dr. ASEEM K

Associate Professor  
Dept. of Electrical and Electronics Engineering  
LBS College of Engineering  
Kasaragod, Kerala, India- 671542



### RESEARCH INTERESTS

Control and Management of Hybrid Energy Systems, Power Electronics Applications to Power Systems, Fractional Order PID Controllers, Fractional Order Sliding Mode Controllers

### EDUCATION

- Ph.D. (Optimized fractional order controllers for solar -wind hybrid generating systems) - Amrita Vishwa Vidyapeetham University (2023)
- M.Tech (Power Systems) - University of Calicut -2010
- B.Tech (Electrical & Electronics Engineering) - Kannur University-2007

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**LINKEDIN PROFILE** : [www.linkedin.com/in/dr-aseem-k-2105a9371](http://www.linkedin.com/in/dr-aseem-k-2105a9371)

**GOOGLE SCHOLAR** : <https://scholar.google.co.in/citations?user=TtGpamEAAAAJ&hl=en>

**ORCID PROFILE** : <https://orcid.org/0000-0002-5924-8129>

**SCOPUS PROFILE** : <https://www.scopus.com/authid/detail.uri?authorId=55991374700>

**WEB OF SCIENCE PROFILE:** <https://www.webofscience.com/wos/author/record/2268293>

**YOUTUBE CHANNEL:** <https://www.youtube.com/c/AseemLectureSeries>

## JOURNAL PUBLICATIONS

1. Pramod, P., Baiju, P. S., Aseem, K., & Sarith Divakar, M. (2025). Efficient FIR Filters Using Precise Application of Algorithmic Level Transformations. **IETE Journal of Research**, 1-14. <https://doi.org/10.1080/03772063.2025.2460673>
2. Aseem, K., Jayakumar, M., Pramod, P. et al. Fractional Order PID Controller Incorporated Decoupled Control of Grid Connected Solar Photovoltaic System. **Appl. Sol. Energy, (Springer)** 60, 127-137 (2024). <https://doi.org/10.3103/S0003701X23601849> (Scopus)
3. Aseem, K., Selva Kumar, S. *Hybrid k-means Grasshopper Optimization Algorithm based FOPID controller with feed forward DC-DC converter for solar-wind generating system.* **Journal of Ambient Intelligence and Humanized Computing (2021), Springer** <https://doi.org/10.1007/s12652-021-03173-1> (SCIE, IF:4.59)
4. Aseem, K., Selva Kumar, S. *A PWM-based Sliding Mode Control Scheme for Isolated Solar Photovoltaic Systems.* **Journal of Institution of Engineers, India Series. B** ,103, 313-328 (2022). <https://doi.org/10.1007/s40031-021-00649-8> (Scopus)
5. Aseem K., Selva Kumar S. (2021) *Di-zeta Converter-Based Solar-Wind Generating System with a Novel SMES Battery Hybrid Energy Management*, **Lecture Notes in Electrical Engineering, vol 728. Springer**, Singapore. [https://doi.org/10.1007/978-981-33-4866-0\\_54](https://doi.org/10.1007/978-981-33-4866-0_54) (Scopus)
6. K. Aseem, S. Selva Kumar, *High temperature superconducting material based energy storage for solar-wind hybrid generating systems for fluctuating power management*, **Elsevier Materials Today: Proceedings**, Volume 42, Part 2, 2021, Pages 1122-1129, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2020.12.493>, (Scopus)
7. Aseem, K., S Kumar, S., *An isolated photovoltaic power generation system with a novel fractional order PID controller based control strategy*, **Journal of Physics: Conference Series**,2020,1706(1) <https://iopscience.iop.org/article/10.1088/1742-6596/1706/1/012063>, (Scopus)
8. Aseem K and Selva Kumar S, *Sliding Mode Controller for DC to DC converters and Performance Comparison with Conventional PID and FOPID Controllers*, **Journal of Engineering Science and Technology Review**, Volume 13, Issue- 4, September 2020,162 - 172, <http://dx.doi.org/10.25103/jestr.134.16>, (Scopus)
9. Aseem K and Selva Kumar S, *Closed loop control of DC-DC converters using PID and FOPID controllers*, **International Journal of Power Electronics and Drive System (IJPEDS)**, Vol. 11, No. 3, September 2020, pp. 1323~1332, <http://doi.org/10.11591/ijped.v11.i3.pp1323-1332>, (Scopus)

10. Aseem K, V Vanitha and Selva Kumar S, *Performance Analysis of DSTATCOM for Three Phase Three Wire Distribution System*, **International Energy Journal**, Volume 18, Special Issue-2A, August-2020, 271-278  
<http://www.ericjournal.ait.ac.th/index.php/eric/article/view/2464/pdf>, (Scopus)
11. Aseem K and Selva Kumar S, *Energy Management Controller for Grid Connected Solar PV System with SMES-battery Hybrid Energy Storage*, **Journal of Advanced Research in Dynamical & Control Systems**, Vol. 12, 04- Special Issue, March 2020, <https://jardcs.org/abstract.php?id=3708>, (Scopus)
12. Aseem K and Selva Kumar S, *A Novel Controller for Isolated Solar Photovoltaic System with Super Conducting Magnetic Energy Storage and Fault Ride through Capability*, **International Journal of Engineering and Advanced Technology (IJEAT)** ISSN: 2249 - 8958, Volume-9 Issue-1, October 2019, 10.35940/ijeat.A1872.109119  
<https://www.ijeat.org/wp-content/uploads/papers/v9i1/A1872109119.pdf>, (Scopus)
13. Dr. M Nanda Kumar and K Aseem. *Shunt Active Power Filter with a Novel Hysteresis Current Controller*, **Journal of Institution of Engineers**, ISSN: 0020-3386, Vol 91, March 2011, pp.25-30, (Scopus)
14. S Sureshbabu, K Aseem, *An Efficient Control Scheme Based on PLL Integrated PI Controller for Grid-connected Solar Photovoltaic Systems*, **Trends in Sciences** 19 (16), 5699-5699 (Scopus)
15. Dr. M Nanda Kumar and K Aseem, *A Minimally Switched Shunt Active Power Filter for Harmonic Compensation*, **International Journal of Industrial Electronics and Control (IJIEC)** ISSN 0974-2220 Volume 4, Number 1 (2012), pp. 1-14

## BOOK PUBLICATIONS

1. *"Introduction to Power Quality and Active Power Filters"* (ISBN 978-3-659-17278-6) **LAMBERT Academic Publishing GmbH & Co.** KG, Heinrich-Böcking-Str. 6-866121, Saarbrücken, Germany

## CONFERENCE PUBLICATIONS

1. *"Comprehensive review on various control strategies of solar photovoltaic systems"*, **IEEE Sponsored International Conference on Emerging Trends in Industry 4.0 (ETI 4.0)** held at OP Jindal University, Raigarh, Chhattisgarh, India during 19 - 21, May 2021
2. *"Fractional order PID control of solar-wind hybrid energy systems with superconducting magnetic energy storage"*, **International Conference on Materials and System Engineering (ICMSE-2020)** organized SJB Institute of Technology, Bangalore, 7-8<sup>th</sup> May, 2021

3. *“High temperature superconducting material based energy storage for solar-wind hybrid generating systems for fluctuating power management”* **Second International Conference on Recent Advances in Materials and Manufacturing, ICRAMM 2020**, 20 - 21, November 2020, Erode, Tamil Nadu.
4. *“An Isolated Photovoltaic Power Generation System with a Novel Fractional Order PID controller based control strategy”*, **First International Conference on Advances in Physical Sciences and Materials (ICAPSM 2020)** held at Coimbatore, Tamil Nadu, India during 13 -14, August 2020.
5. *“Di-zeta converter based solar-wind generating system with a novel SMES-Battery hybrid energy management”* **International Conference on Communication, Circuits, and Systems (iC3S 2020)**, 16-18<sup>th</sup> October 2020.
6. *“A Novel Energy Management Controller for Grid-connected Solar PV System with SMES-Battery Hybrid Energy Storage”* **Second International Conference on Computing, Communication and Energy Systems 2020 (ICCES 2020)** will be held in MEA College of Engineering, Perinthalmanna, Kerala, India during 26 - 27, February 2020.
7. *“Microbial Fuel Cell based air quality sensing”*, **Virtual International Conference on POWER INITIATIVES(ICPI-2020)** organized by Department of EEE, K.Ramakrishnan College of Engineering on 22nd & 23rd of JULY 2020
8. *“Reversible wind energy production (REWINDER)”*, **Virtual International Conference on POWER INITIATIVES(ICPI-2020)** organized by Department of EEE, K.Ramakrishnan College of Engineering on 22nd & 23rd of JULY 2020
9. *“Performance Analysis of DSTATCOM for Three Phase Three Wire Distribution System”* **International Conference on Artificial Intelligence, Smart Grid and Smart City Applications - AISGSC 2019**, PSG College of Technology, Coimbatore, 1-3<sup>rd</sup> January 2019
10. *“Comparative Study of PID and Fractional Order PID Controllers for Industrial Applications”* **National Conference on Recent Trends in Information, Communication and Computing Technology-RTICCT19**, KSR College of Engineering, Tiruchengod, 10<sup>th</sup> March 2019
11. *“Maximum power point tracked PV supported Unified Power Quality Conditioner”*, **International conference on recent advancements in Engineering and Technology, iCORETech-2018**, 18-19 December. -2018, LBS College of Engineering, Kasaragod.
12. *“Comparative study of PID and Fractional order PID Controllers”*, **International conference on recent advancements in Engineering and Technology, iCORETech-2018**, 18-19 December. -2018, LBS College of Engineering, Kasaragod

13. "*Synchronous Reference Frame based self-supported Dynamic Voltage Restorer*", **International conference on recent advancements in Engineering and Technology, iCORETech-2018**, 18-19 December.-2018, LBS College of Engineering, Kasaragod
14. "*Mathematical modeling and control of Microgrid*", **International conference on recent advancements in Engineering and Technology, iCORETech-2018**, 18-19 December.-2018, LBS College of Engineering, Kasaragod
15. "*An efficient faulted line section location method for MV and LV distribution Systems*" **National Innovative Power and Energy Conservation Technologies, NCIPEC-17**, College of Engineering, Trikaripur, 10-11<sup>th</sup> March 2017
16. "*DSTATCOM Converter topologies: State of the Art and Future Trends*", **National conference on recent advancements in Engineering and Technology, nCORETech-2016**, 10-11 February.-2016, LBS College of Engineering, Kasaragod.
17. "*DSTATCOM Neutral current compensation techniques: A Review*", **National conference on recent advancements in Engineering and Technology, nCORETech-2016**, 10-11 February.-2016, LBS College of Engineering, Kasaragod
18. "*Gating pulse generation for cascaded multilevel inverters: A review*" **National conference on recent advances in Engineering and Technology, nCORETech-2015**, February-20, 21-2015, LBS College of Engineering, Kasaragod
19. "*Reactive power compensation and Harmonic compensation using three phase shunt active power filter with reduced switching algorithm*" **National conference on recent advances in Engineering and Technology, nCORETech-2014**, 25-26 February.-2014, LBS College of Engineering, Kasaragod
20. "*Mitigation of Deep Voltage Sag and Swell using Dynamic Voltage Restorer (DVR) with Rectifier Supported DC-DC Boost Converter*" **International Conference, EPSCICON-2012**, Vidya Academy of Science and Technology, Thrissur, January-2012
21. "*Comparative study of three different control strategies for shunt active power filters*", **National Technological Congress, NATCON - 2012**, Govt. Engg College, Thrissur, February 9, 10 - 2012.
22. "*P-Q theory based shunt active power filter with minimum switch utilisation*", **Second international conference on simulation, modeling and analysis, COSMA 2011**, Amrita School of Engineering, 14 - 16 December, 2011.

23. "A Three phase Shunt Active Power Filter with a Novel Hysteresis switching strategy", **International Conference, EPSCICON-2010**, Vidya Academy of Science and Technology, Thrissur, January 4-6, 2010
24. "A Three phase SAPF using D-Q method with novel Hysteresis current controller", **National Conference on Power, Instrumentation, Control and Computing (PICC)**, pp.103-109, Govt. Engg College, Thrissur, March 2010

## REVIEWER OF THE FOLLOWING JOURNALS

1. IEEE Access
2. Springer Journal of Technology and Economics of Smart Grid
3. Springer Journal of Ambient Intelligence and Humanized Computing
4. Indonesian Journal of Electrical Engineering and Informatics
5. Journal Engineering Research and Reports
6. Springer Journal of Institution of Engineers: Series B
7. Elsevier Materials Today Proceeding
8. ISA Transactions
9. Tends in Sciences

## FACULTY DEVELOPMENT PROGRAMS (FDPs) ATTENDED

1. **Three Days** FDP on **AI at Energy Efficiency** organized by Dept. of EEE, Vimal Jyothi Engineering College, Chemperi during 26-28<sup>th</sup> June 2024
2. AICTE ATAL Academy sponsored **Six Days** FDP on **Machine Learning Engineering for Production** organized by LBS College of Engineering, Kasaragod during 8-13<sup>th</sup> January 2024
3. DTE sponsored **Six Days** FDP on **Prospective and Innovative Trends in Financial Engineering** organized by College of Engineering, Trivandrum during 11-16<sup>th</sup> December 2023
4. The Kerala State Higher Education Council (KSHEC) sponsored **Eight Days** FDP on **Research Methodology using Chat GPT & AI tools and Funding Opportunities for Research** organized by Marian College Kuttikanam, during 23<sup>rd</sup> November-1<sup>st</sup> December 2023.
5. IEEE North Karnataka subsection sponsored **Five Days** FDP on **Advanced Technologies in Electrical and Electronic Systems** organized by KLS Gogte Institute of Technology, Belgavi during 3-7<sup>th</sup> January 2022
6. AICTE ATAL Academy sponsored **Five Days** FDP on **Research Trends in Design and Control of Electric Vehicles** organized by College of Engineering, Perumon during 17-21<sup>st</sup> January 2022

7. AICTE and ISTE sponsored **Eight Days** FDP on **High Performance Computing** organized by Vivekananda Institute of Technology ,Bangalore, Karnataka during 12-19<sup>th</sup> January 2022
8. **Three Days** FDP on **Advances in Energy and Environmental Research** organized by Dept. of EEE, Providence College of Engineering , Chengannur during 19-21<sup>st</sup> January 2022
9. AICTE ATAL Academy sponsored **Five Days** FDP on **Nonlinear Systems: Dynamics and Control** organized by Govt. Engineering College, Thrissur during 13-17<sup>th</sup> December 2021
10. KTU sponsored **Five Days** FDP on **An Insight to Engineering Fluid Dynamics and its Applications in Industry** organized by LBS College of Engineering, Kasaragod during 26-30<sup>th</sup> July 2021
11. KTU sponsored **Three Days** FDP on **Deep Learning for Image and Video Applications** organized by LBS College of Engineering, Kasaragod during 15-17<sup>th</sup> June 2021
12. ECS and SEEM sponsored **Five Days** FDP on **Industrial Energy Audit** organized by Dept. of EEE, LBS College of Engineering ,Kasaragod during 8-12<sup>th</sup> April 2021
13. **Three Days** FDP on **Simulation on Electronics circuits and Systems using MATLAB/Simulink and Pspice** organized by Dept. of EEE, Mar Baselios College of Engineering and Technology ,Thiruvananthapuram during 7-9<sup>th</sup> April 2021
14. DTE sponsored **Eleven Days** FDP on **Web GIS Enabled Spatial Information System** organized by TPLC, Govt. Engineering College, Barton hill, Trivandrum during 8-18<sup>th</sup> February 2021
15. TEQIP II sponsored **Five Days** FDP on **Electric Vehicles: Charging and Challenges** organized by Dept. of EEE, College of Engineering Vadakara during 5-9<sup>th</sup> February 2021
16. TEQIP II sponsored **Three Days** FDP on **Data Science using Python** organized by Dept. of IT, College of Engineering Vadakara during 28-30<sup>th</sup> January 2021
17. DTE sponsored **Three Days** FDP on **Transformational Leadership** organized by TPLC, Govt. Engineering College, Barton hill, Trivandrum during 1-3<sup>rd</sup> February 2021
18. AICTE ATAL Academy sponsored **Five Days** FDP on **Internet of Things(IoT)** organized by LBS College of Engineering, Kasaragod during 11-15<sup>th</sup> January 2021

19. AICTE sponsored **Six Days FDP on Power Electronic Applications for Smart Grid, Electric Vehicles and Renewable Energy, Series-3** organized by Dept. of EEE, JSS Academy of Technical Education, Noida during 16-21<sup>st</sup> December 2020

20. AICTE sponsored **Twenty Four Days FDP on Recent Trends in Energy Management and Audit** organized by Rajiv Gandhi Institute of Technology, Mumbai as four phases

Phase I: 2-7 November 2020

Phase II: 23-28 November 2020

Phase III: 7-12 December 2020

Phase IV: 14-19 December 2020

21. AICTE sponsored **Six Days FDP on IoT based Control strategies for AC/DC Microgrid in Smart City Implementation** organized by Dept. of EEE, Sree Ramakrishna Engineering College, Coimbatore during 23-28<sup>th</sup> November 2020

22. TEQIP II sponsored **Five Days FDP on Recent Advances in Communication and Networking** organized by Dept. of ECE, Govt. Engineering College, Idukki during 28<sup>th</sup> September-3<sup>rd</sup> October 2020

23. **Five Days FDP on Industrial Automation using PLC/SCADA with IoT** organized by Dept. of EEE, Vellore Institute of Technology, Chennai during 21-25<sup>th</sup> September 2020

24. AICTE ATAL Academy sponsored **Five Days FDP on Green Technology and Sustainability Engineering** organized by Aligarh Muslim University during 7-11<sup>th</sup> September 2020

25. **Three Days FDP on Research Areas in Energy Audit and Conservation** organized by Dept. of EEE, Vellore Institute of Technology during 24-26<sup>th</sup> August 2020

26. AICTE sponsored **Six Days FDP on Data Analytics and Machine Learning Tools-Phase II** organized by Dept. of CSE, Amal Jyothi College of Engineering, Kottayam during 17-22<sup>nd</sup> August 2020

27. **Five Days FDP on Professional Ethics** organized by Dept. of CE, Providence College of Engineering during 10-14<sup>th</sup> August 2020

28. AICTE sponsored **Six Days FDP on Data Analytics and Machine Learning Tools** organized by Dept. of CSE, Amal Jyothi College of Engineering, Kottayam during 3-8<sup>th</sup> August 2020

29. **Five Days FDP on System Modelling and Control Methods** organized by Dept. of EEE, SCMS School of Engineering and Technology, Ernakulum during 13-17<sup>th</sup> July 2020

30. **Five Days FDP on Electric Vehicles: Exploring inside the Box** organized by Dept. of EEE, MEA Engineering College, Malappuram during 8-12<sup>th</sup> June 2020

31. AICTE sponsored **Four Days** FDP on **Examination Reforms** organized by All India Council for Technical Education during 29<sup>th</sup> April-2<sup>nd</sup> May 2020
32. KTU Sponsored **Three Days** FDP on **Deep Learning** organized by: Dept. of Computer Science and Engineering, LBS College of Engineering, Kasaragod during 9-11<sup>th</sup> July 2019
33. DTE Sponsored **Six Days** FDP on **Power Electronics for Renewable Energy Applications (PEREA)-2019** organized by: Dept. of Electrical and Electronics Engineering Govt. College of Engineering, Kannur during 14-19<sup>th</sup> January 2019
34. DTE Sponsored **Three Days** FDP on **Distributed Generation and Smart Grid** organized by: Dept. of Electrical and Electronics Engineering Govt. College of Engineering, Kannur during 31<sup>st</sup> October-2<sup>nd</sup> November 2018
35. DTE Sponsored **Six Days** FDP on **Modern Optimization Tools in Engineering** organized by: Dept. of Electrical and Electronics Engineering Govt. College of Engineering, Kannur during 26<sup>th</sup> February-3<sup>rd</sup> March 2018
36. TEQIP II sponsored **Three Days** FDP on **Distributed generation and power quality** organized by dept. of EEE ,Govt. College of Engineering, Kannur during 19-21<sup>th</sup> December 2016
37. TEQIP II sponsored **Six Days** FDP on **Emerging trends in power system engineering** organized by dept. of EEE ,College of Engineering, Vadakara during 5-10<sup>th</sup> December 2016
38. TEQIP II sponsored **Five Days** FDP on **Simulation of power electronics and power systems using MATLAB, ANSYS and MIPOWER** organized by dept. of EEE , Govt. College of Engineering, Kannur during 25-29<sup>th</sup> July 2016
39. TEQIP II sponsored **Five Days** FDP on **Renewable energy and distributed generation** organized by dept. of EEE , Govt. Engineering College, Wayanad during 14-18<sup>th</sup> March 2016
40. ISTE sponsored **Six Days** FDP on **VLSI signal processing system** organized by dept. of ECE , LBS College of Engineering ,Kasaragod during 1-6<sup>th</sup> March 2016
41. ISTE sponsored **Six Days** FDP on **Recent trends in big data computing, mining and security** organized by Dept. of CSE , LBS College of Engineering ,Kasaragod during 4-9<sup>th</sup> January 2016

42. TEQIP II sponsored **Five Days** FDP on **Engineering research: Procedures and tools** organized by dept. of EEE, College of Engineering ,Trikaripur during 23-27<sup>th</sup> November 2015
43. ISTE sponsored **Five Days** FDP on **Research domains in Power Electronics and Power Systems** organized by Dept. of EEE , Amal Jyothi College of Engineering ,Kottayam during 26-30<sup>th</sup> May 2011
44. **Four Days** FDP on **System Simulation Tools** organized by Dept. of ECE , Vimal Jyothi Engineering College ,Kannur during 3-8<sup>th</sup> August 2010

## FACULTY DEVELOPMENT PROGRAMS, CONFERENCE & WEBINARS COORDINATED

1. Coordinator, AICTE Sponsored 2 days workshop on **Energy and Developmental Issues** organized under the scheme VAANI during 25-7-2024 to 26-7-2024.
2. Coordinator, APJ Abdul Kalam Technological University Sponsored 5 days FDP on **Grid Interactive systems, Protection and Control** organized during 22-7-2019 to 26-7-2019
3. Coordinator, 5 days FDP on **Emerging Trends in Electrical Engineering-A Research Perspective** during 27-7-2020 to 31-7-2020
4. Coordinator , Webinar on **Higher Education Opportunities after Plus two** on 26th May 2020
5. Coordinator , Webinar on **Electrical Engineering-Career and Prospects** on 25th June 2020
6. Coordinator, Webinar on **Higher Education Opportunities Abroad** on 6th July 2020
7. Conference Convener, **National conference on recent advancements in Engineering and Technology,nCORETech-2017**, held on March1-2, 2017,LBS College of Engineering, Kasaragod

## ACHIEVEMENTS

1. Winner of **the Institution Prize and Gold Medal** for the best research publication during the year 2023 given by Institution of Engineers(India)
2. Editorial Board Member of **International Journal of Robotics and Control Systems (Scopus Indexed Journal, ISSN:2775-2658)**

3. **Certificate of Excellence in Reviewing** awarded by Journal Engineering Research and Reports in recognition of outstanding contribution to the quality of the journal
  4. Winner of **Prof. Aruna Shankar Bhatt Memorial Best Teacher Award** of the year 2018 in recognition of outstanding contribution through the academic achievement and professional excellence.
  5. Received the **Certificate of Appreciation** for the excellent coordination of the national conference, nCORETech 2017 as convener.
  6. Received the **Certificate of Appreciation** for the excellent coordination of admission process 2015- 16
10. Member of IEEE **Malabar subsection** committee during 2014-15

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## PROFESSIONAL EXPERIENCE

- **LBS College of Engineering** | Kasaragod | Assistant Professor | 21<sup>st</sup> May 2012 to till date
- **Vimal Jyothi Engineering College** | Kannur | Assistant Professor | 22<sup>nd</sup> February 2010 to 19<sup>th</sup> May 2012
- **Govt. Engineering College** | Thrissur | Assistant Professor(Ad hoc) | 18<sup>th</sup> August 2008 to 5<sup>th</sup> January 2009

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## ADDITIONAL QUALIFICATIONS

1. Certificate Program in **“Renewable Energy and Green Building Entrepreneurship”** from Duke University, North Carolina, United States
2. Certificate Program in **“Covid-19 Contact Tracing”** from Johns Hopkins University, Baltimore, United States
3. Certificate Program in **“Matrix Algebra for Engineers”** from Hong Kong University of Science and Technology.
4. Certificate Program in **“Introduction to Personal Branding”** from University of Virginia, United States
5. Certificate Program in **“Teamwork Skills: Communicating Effectively in Groups”** from University of Colorado, United States
6. Certificate Program in **“Foundations of Mindfulness”** from Rice University, Texas United States

7. Certificate Program in **“Exploring Emerging Technologies for Lifelong Learning and Success”** from State University of New York, United States
8. Certificate Program in **“Code Yourself! An Introduction to Programming”** from State University of Edinburgh, United Kingdom
9. Certificate Program in **“A Life of Happiness and Fulfilment”** from Indian School of Business, India
10. Certificate Program in **“The Science of Success: What Researchers Know that You Should Know”** from University of Michigan, United States
11. Certificate Program in **“Communication Strategies for a Virtual Age”** from University of Toronto, Canada
12. Certificate Program in **“Introduction to Programming with MATLAB”** from Vanderbilt University, United States
13. Certificate Program in **“Electric Vehicles and Mobility”** from École des Ponts ParisTech, France
14. Certificate Program in **“Introduction to Cloud Identity”** from Google Cloud

## COLLEGE/DEPARTMENT LEVEL RESPONSIBILITIES UNDERTAKEN

### 1-01-2023 TO 31-12-2023

1. Member of Technical Sanction committee of Electrical works in Kasaragod district panchayat.
2. Department accreditation coordinator
3. Department Time Table in charge
4. Department Internal Academic Auditor
5. Group Tutor EEE 2022-26 Batch
6. Class committee chairman S5 ECE
7. Member of college bus committee,
8. Member of college website committee
9. Department level criteria 4 in charge
10. KTU External academic auditor
11. Member of Institute Innovation Council of the college
12. Lab in Charge of Dept. Computer Lab

### 1-01-2022 TO 31-12-2022

13. Convener, Admission Committee, LBS College of Engg. Kasaragod for the B.Tech, B.Tech LET and M.Tech admission 2022

14. Member of Technical Sanction committee of Electrical works in Kasaragod district panchayat.
15. Department Time Table in charge
16. Department Internal Academic Auditor
17. Group Tutor EEE 2022-26 Batch
18. Course committee Chairman- Physics
19. Class committee chairman S3-S4 ECE
20. Member of college bus committee,
21. Member of college website committee
22. Department level criteria 4 in charge
23. KTU External academic auditor
24. Member of PG curriculum committee
25. Member of Institute Innovation Council of the college
26. Lab in Charge of Dept. Computer Lab

### 1-01-2021 TO 31-12-2021

27. Convener, Admission Committee, LBS College of Engg. Kasaragod for the B.Tech, B.Tech LET and M.Tech admission 2021
28. Convener, Society institute Interaction Cell, LBSCEK
29. Lab in Charge of Dept. Computer Lab
30. KTU Academic auditor
31. Department level accreditation criteria 4 in charge

### 1-01-2020 TO 31-12-2020

32. Convener, Admission Committee, LBS College of Engg. Kasaragod for the B.Tech, B.Tech LET and M.Tech admission 2020
33. Coordinated webinar on higher education opportunities after plus two on 26-7-2020
34. Administrator, Entrance Option facilitation Centre, LBSCE, Kasaragod for the year 2020
35. Convener, Society institute Interaction Cell, LBSCEK
36. Coordinated a Webinar on Higher Education Opportunities after Plus two on 26<sup>th</sup> May 2020
37. Coordinated a Webinar on Electrical Engineering-Career and Prospects on 25<sup>th</sup> June 2020
38. Coordinated a Webinar on Higher Education Opportunities Abroad on 6<sup>th</sup> July 2020
39. Coordinator of 5 days FDP on Emerging Trends in Electrical Engineering-A Research Perspective during 27-7-2020 to 31-7-2020.
40. Lab in Charge of Dept. Computer Lab
41. KTU Academic auditor
42. Department level accreditation criteria 4 in charge

### 1-01-2019 TO 31-12-2019

1. Convener, Admission Committee, LBS College of Engg. Kasaragod for the B.Tech, B.Tech LET and M.Tech admission 2019

2. Administrator, Entrance Option facilitation Centre, LBSCE, Kasaragod for the year 2019
3. Convener, Society institute Interaction Cell, LBSCEK
4. Delivered the career guidance class at selected schools from Kasaragod district as a Part of SIIC of LBSCEK
5. Coordinator, APJAKTU Sponsored 5 days FDP on Grid Interactive systems, Protection and Control organized during 22-7-2019 to 26-7-2019.
6. Lab in Charge of Dept. Computer Lab
7. KTU Academic auditor
8. Department level accreditation criteria 4 in charge

### 1-01-2018 TO 31-12-2018

1. Convener, Admission Committee, LBS College of Engg. Kasaragod for the B.Tech, B.Tech LET and M.Tech admission 2018
2. Administrator, Entrance Option facilitation Centre, LBSCE, Kasaragod for the year 2018
3. Coordinator of the program “Kerala Entrance (Med/Engg), training on opportunities and option registration” organized on 9<sup>th</sup> June 2018 at Municipal conference Hall for the Med/Engg. Aspirants
4. Coordinator, Orientation program for the first year (2018) admission on 1<sup>st</sup> August 2018
5. Chaired a session of the International conference on recent advancements in Engineering and Technology, iCORETech-2018, 18-19 December.-2018, LBS College of Engineering, Kasaragod
6. Convener, Delegate committee, of the International conference on recent advancements in Engineering and Technology, iCORETech-2018, 18-19 December.- 2018, LBS College of Engineering, Kasaragod
7. Collage Magazine Staff Editor, 2018 (Magazine name- Purappadu/പുറപ്പാട്)
8. Lab in Charge of Dept. Computer Lab

### 1-01-2017 TO 31-12-2017

1. Convener, Admission Committee, LBS College of Engg. Kasaragod for the B.Tech, B.Tech LET and M.Tech admission 2017
2. Conference Convener, National conference on recent advancements in Engineering and Technology, nCORETech-2017, held on March 1-2, 2017, LBS College of Engineering, Kasaragod
3. Coordinator, Professional career guidance seminar on option registration organized in June 2017 at Municipal conference Hall for the Med/Engg. Aspirants
4. Member, Question paper scrutiny committee of KTU cluster 10 for PG during 2017
5. Member of student discipline committee, LBSCEK
6. Member of the grievance committee formed as per the KTU norms
7. Member of hostel monitoring committee, LBSCEK
8. Lab in Charge of Dept. Computer Lab

### 1-01-2016 TO 31-12-2016

1. Coordinator , College level arts festival Mayookha-Nov 2016
2. Convener, nCORETech night Committee of the National conference on recent advancements in Engineering and Technology,nCORETech-2016 ,LBS College of Engineering, Kasaragod
3. Coordinator, Professional career guidance seminar on option registration organized in June 2016 at Municipal conference Hall for the Med/Engg. Aspirants
4. Member, Question paper scrutiny committee of KTU cluster 10 for PG during 2016
5. Member of student discipline committee, LBSCEK
6. Member of the grievance committee formed as per the KTU norms
7. Member of hostel monitoring committee, LBSCEK

### 1-01-2015 TO 31-12-2015

1. Convener, Admission Committee, LBS College of Engg. Kasaragod for the B.Tech and B.Tech LET admission 2015
2. Administrator, Entrance Option facilitation Centre, LBSCE, Kasaragod for the year 2015
3. Coordinator, Professional career guidance seminar on option registration organized on 18<sup>th</sup> June 2015 at Municipal conference Hall for the Med/Engg. Aspirants
4. Delivered the class on “online option registration procedures” in the program “Ask Expert” organized by the Mathrubhumi daily at Tagore centenary Hall, Kozhikkode on June 3<sup>rd</sup> 2015.
5. Coordinated the Expert Talk in which Sri. Santosh J, Joint Director, Central Power Research institute (CPRI), Bangalore handled the session on 30<sup>th</sup> October 2015.
6. Convener, Career Guidance Cell, LBSCE Kasaragod for the period September 2013 to present
7. Convener, Program Committee of the National conference on recent advancements in Engineering and Technology,nCORETech-2015,20-21 February.-2015,LBS College of Engineering, Kasaragod
8. Chaired a session of the National conference on recent advancements in Engineering and Technology, nCORETech-2015, 20-21 February.-2015,LBS College of Engineering, Kasaragod
9. Actively involved to start a new M.Tech course in the department and in the preparation of the syllabus for the same during 2015-16 year.
10. Member, Question paper scrutiny committee of KTU cluster 10 for PG during 2015
11. Member of student discipline committee, LBSCEK
12. Member of the grievance committee formed as per the KTU norms
13. Faculty-in-charge of Electrical & Electronics Engineering Association
14. Member of IEEE Malabar subsection committee during 2014-15

## 15. Lab in Charge of Dept. Computer Lab

### 1-01-2014 TO 31-12-2014

1. Convener, Career Guidance Cell, LBSCE Kasaragod
2. Member of student discipline committee, LBSCEK
3. Faculty-in-charge of Electrical & Electronics Engineering Association
4. Member of IEEE Malabar subsection committee during 2014
5. Convener, Admission Committee, LBS College of Engg. Kasaragod for the B.Tech first year admission 2014
6. Administrator, Entrance Option facilitation Centre, LBSCE, Kasaragod for the year 2014
7. Coordinator of the program “Kerala Entrance (Med/Engg), training on opportunities and option registration” organized on 11<sup>th</sup> June 2014 at Municipal conference Hall for the Med/Engg. Aspirants
8. Coordinator, Orientation program for the first year (2014) admission on 18,19 and 20<sup>th</sup> August 2014
9. Organizing Committee member of the National conference on recent advancements in Engineering and Technology, nCORETech-2014, 25-26 February.-2014, LBS College of Engineering, Kasaragod
10. Chaired a session of the National conference on recent advancements in Engineering and Technology, nCORETech-2014, 25-26 February.-2014, LBS College of Engineering, Kasaragod
11. Lab in Charge of Dept. Computer Lab

### 1-01-2013 TO 31-12-2013

1. Resident Tutor, Mens Hostel -1
2. Faculty-in-charge of Electrical & Electronics Engineering Association
3. Coordinated an intercollegiate technical festival gnista V2.13 on 3-5, October 2013
4. Coordinated the national conference on systems and emerging technologies, SET 2013
5. Conducted an IEEE awareness program
6. Coordinated the Inauguration of association activities for the year 2013-2014 by Sri.Vijayakumar, Deputy CE, KSEB, Kasaragod on July 2013.
7. Coordinator of the Energy conservation program (save energy) conducted on September 2013 jointly by KSEB and Dept. of EEE.
8. Coordinator of the program 'Jyothirgamaya' .The completion of the electrification of houses of endosulfan victims were announced at this program
9. Lab in Charge of Dept. Computer Lab

21-05-2012 TO 31-12-2012

1. Resident Tutor, Men's Hostel -1
2. Faculty-in-charge of Electrical & Electronics Engineering Association

06-07-2025

Dr. ASEEM K

