

Dr. B. Bavanish, M.E., Ph.D.,

Principal,

NOORUL ISLAM COLLEGE OF ENGINEERING AND TECHNOLOGY,

Pookadai, Punkarai, Thiruvithancode, Kanyakumari District – 629174

04651 – 211011



Email	:	dr.bbavanish@gmail.com
Mob. Number	:	+91 94 8888 5995
AICTE ID	:	1 - 413841941
Scopus Author ID	:	https://www.scopus.com/authid/detail.uri?authorId=55772033300
Orchid ID	:	https://orcid.org/0000-0001-9476-6952
Google Scholar ID	:	https://scholar.google.com/citations?user=2gIEcNYAAAAJ&hl=en
Vidwan ID	:	https://vidwan.inflibnet.ac.in/profile/150577
Web of Science	:	https://www.webofscience.com/wos/author/record/AAS-8080-2020
Research gate ID	:	https://www.researchgate.net/profile/B-Bavanish-2
Research ID	:	https://www.researchid.co/bavanish

EDUCATION QUALIFICATION				
<i>Degree</i>	<i>Institution</i>	<i>Year</i>	<i>Discipline</i>	<i>Marks obtained</i>
Ph.D.	Anna University, Chennai	May 2015	Mechanical Engineering	-
M.E.	Noorul Islam College of Engg.(Anna University, Chennai)	2006	Computer Integrated Manufacturing	81% Distinction
B.E.	C.S.I. Institute of Technology, Thovalai (M S University)	2004	Mechanical Engg.	74% First Class

TEACHING EXPERIENCE

<i>Positions</i>	<i>Institution</i>	<i>Period</i>		<i>Duration</i>
		<i>From</i>	<i>To</i>	
Principal	Noorul Islam College of Engineering and Tech.	01 – 05 – 2023	Till date	1 Year & 7 Months
Professor	Noorul Islam Centre for Higher Education	01 – 03 – 2019	28 – 04 – 2023	4 Years 7 2 Months
Associate Professor	Noorul Islam Centre for Higher Education	22 – 02 – 2018	28 – 02 – 2019	1 Year & 7 Months
Assistant Professor	Noorul Islam Centre for Higher Education	22 – 07 – 2010	21 – 02 – 2018	7 Years & 7 Months
Lecturer	Udaya School of Engineering, Vellamodi	05 – 07 – 2006	16 – 07 – 2010	4 Years

RESEARCH TITLE

INVESTIGATIONS ON THE PERFORMANCE AND OPTIMIZATION OF WIND TURBINES

RESEARCH EXPERIENCE

A. Details of Ph.D. scholars awarded: **FOUR**

<i>Name of the Candidate</i>	<i>Title of the Thesis</i>	<i>Name of the University</i>	<i>Year of Award</i>
Mohammed Fahad 1116901202	Investigation on Mechanical and Tribological properties of AZ91D fortified with Nanoparticles	Noorul Islam Centre for Higher Education, Kumaracoil	2022
Jayaram V 1116917202	Performance Evaluation of Vertical Flow Helical Turbine and Impact on Hydro Power Generation in India	Noorul Islam Centre for Higher Education, Kumaracoil	2022
Amjith L R 1117917201	Performance Optimization of Horizontal Axis Wind Turbines	Noorul Islam Centre for Higher Education, Kumaracoil	2023
Berlin Push P 2119917102	Experimental Investigation on Mechanical Properties of Al2024 Doped with Green Synthesized Quantum Dots	Noorul Islam Centre for Higher Education, Kumaracoil	2024

B. Details of Ph.D. scholars submitted the Thesis: ONEFavas A S
1116917201Experimental and Simulation
Studies on Sustainment of Clean
RoomNoorul Islam Centre for
Higher Education,
Kumaracoil

2024

BOOK CHAPTER

1. Jayaram Vijayan, **Dr. Bavanish Balac Retnam**, Mohammed Fahad, and Ajith Raj Rajendran “Gorlov helical hydro turbines: innovations and Challenges” Adaptive Engineering – A Sustainable Development Endeavor, ELSEVIER, **Woodhead Publishing Series in Civil and Structural Engineering**, ISBN : 978-0-443-22184-2 (print), 978-0-443-22185-9 (online), (2024)

JOURNAL PUBLICATIONS

1. Jayaram, V., **Dr. Bavanish. B**, Mohammed Fahad, P.A. Azeem Hafiz, Niaz A Salam, “Performance Evaluation of a Mini–Vertical Axis Cross Flow Helical Turbine Meant for Energy Extraction from Dam’s Tailrace”, INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH, Vol.14, No.3, September, **2024**
2. Jayaram, V., **Dr. Bavanish. B**, “Design and analysis of gorlov helical hydro turbine on index of revolution”, Digest Journal of Nanomaterials and Biostructures, **2022**, 17(4), pp. 1501–1509 (SCIE)
3. Favas, A. S., **Dr. Bavanish. B**, “Thermal and mechanical characterization of polypropylene composite membrane doped with TiO₂ nanoparticles”, Digest Journal of Nanomaterials and Biostructures, **2022**, 17(4), pp. 1501–1509 (SCIE)
4. Jayaram, V., **Dr. Bavanish. B**, “ A Brief Study on the Influence of the Index of Revolution on the Performance of Gorlov Helical Turbine”, International Journal of Renewable Energy Research, **2022**, 12(2), pp. 827–845. DOI: <https://doi.org/10.20508/ijrer.v12i2.12880.g8468> (SCI)

5. Jayaram, V., **Dr. Bavanish. B**, “ A Brief Study on the Implementation of Helical Cross-Flow Hydrokinetic Turbines for Small Scale Power Generation in the Indian SHP Sector”, *International Journal of Renewable Energy Development*, **2022**, 11 (3), pp. 676–693.
6. Amjith L R, **Dr. Bavanish. B**, “A review on biomass and wind as renewable energy for sustainable environment” *Chemosphere*, Volume 293, April **2022**, 133579 DOI: <https://doi.org/10.1016/j.chemosphere.2022.133579> (SCI)
7. Dennis Dikson, Ganesh P S, Joy Jobin, Amjith L R, **Dr. Bavanish. B**, “Computational design & analysis of vertical axis wind turbine” *materials today-proceedings*, Volume 66 Page1501-1508 Part3, **2022**, DOI: 10.1016/j.matpr.2022.06.407
8. Mohammed Fahad, **Dr. Bavanish. B**, “Tribological behavior of Az91D magnesium alloy composite: effect of hybrid WC-SiO₂ nanoparticles”, *Industrial Lubrication and Tribology*, Vol. 73 No. 5, pp. 789-795. ISSN: 0036-8792, **2021**, DOI: <https://doi.org/10.1108/ilt-02-2021-0038> (SCIE)
9. Mohammed Fahad, **Dr. Bavanish. B**, “Tribological and ageing behavior of Az91D magnesium alloy fortified with nano lanthanum and nanoceria by stir casting for aviation application”, *Industrial Lubrication and Tribology*, ISSN: 0036-8792, vol. 73 no. 4, pp. 635-641, **2021**, DOI: <https://doi.org/10.1108/ILT-12-2020-0475> (SCIE)
10. Favas, A. S., **Dr. Bavanish. B**, “Increasing Efficiency of Air Handling Unit in Cleanroom Air Conditioning System”, *International Journal of Innovative Science and Research Technology*, ISSN: 2456-2165, vol. 6, **2021**, <https://bit.ly/3yLpwxe>
11. Favas, A. S., **Dr. Bavanish. B**, “CFD investigation of a hospital's Isolated clean room's air flow pattern and particle transport”, *International Journal of Mechanical Engineering*, ISSN: 0974-5823, Vol. 6 No. 3 December, **2021**, https://kalaharijournals.com/resources/DEC_291.pdf

12. Favas, A. S., **Dr. Bavanish. B**, “Rotating thermal wheel performance evaluation in varying circumstances implemented in hospital clean room” International Journal of Advance and Innovative Research, ISSN : 2394-7780, Volume 8, Issue 4(I) : October – December **2021**, pp: 285 – 289. <https://iaraedu.com/about-journal/ijair-volume-8-issue-4-i-october-december-2021.php>
13. Jayaram V, **Dr. Bavanish. B**, “A brief review on the Gorlov helical turbine and its possible impact on power generation in India”, Materials Today; Proceedings, **2020**, <https://doi.org/10.1016/j.matpr.2020.09.203>
14. Amjith L R, **Dr. Bavanish. B**, “Design and analysis of 5 MW horizontal axis wind turbine”, Materials Today; Proceedings, Vol. 37, **2021**, Pg. 3338-3342, <https://doi.org/10.1016/j.matpr.2020.09.202>
15. Amjith L R, **Dr. Bavanish. B**, “Optimization of horizontal axis wind turbine blade using FEA”, Materials Today; Proceedings, Vol. 37, **2021**, Pg. 3367-3371, <https://doi.org/10.1016/j.matpr.2020.09.215>
16. Amjith L R, **Dr. Bavanish. B**, “Comprehensive Analysis with Enhanced Resolution of HAWT Blade using CFD”, Applied Sciences, Walailak J Sci & Tech Vol. 18, No. :(17), **2021**, 23301, <https://doi.org/10.48048/wjst.2021.23301>
17. Berlin Push, **Dr. Bavanish. B**, “Assessment of Aluminium Metal Matrix Composites – Review”, International Journal of Mechanical and Production Engineering Research and Development ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 10, 2, **2020**, Pg. 1121–1128
18. Mohammed Fahad, **Dr. Bavanish. B**, “Synthesis and Characterization of Nano Cerium Dioxide Particles Reinforced with Magnesium Metal Matrix Particles and its Application”, TEST Engineering and Management, 0193-4120, **2020**, Pg. 5854 – 5860

19. Mohammed Fahad, **Dr. Bavanish. B**, “Blend and Portrayal of Nano Lanthanum Dioxide particles fortified with Magnesium Alloy and its application”, Journal of Critical Reviews ISSN- 2394-5125, VOL 7, ISSUE 14, **2020**, Pg. 2578 – 2583, <http://www.jcreview.com>
20. Jayaram V, **Dr. Bavanish. B**, “Viability study of implementing Cross Flow Helical Turbine for Micro Generation in India.”, International Journal of Renewable Energy Research, ISSN 1309 - 0127, Vol.8, (1), **2018**, pg.274–279, <https://www.ijrer.org/ijrer/index.php/ijrer/article/view/6744> (SCIE)
21. Jayaram V, **Dr. Bavanish. B**, “Relevance of Damless power generation”, Int. Journal of Advanced Scientific Technologies, Engineering and Management Sciences, ISSN 2454-356X, Vol. 3, (1), **2017**, <http://www.ijastems.org/nctimemic-2017>
22. Mohammed Fahad, **Dr. Bavanish. B**, “Analysis of replacing Magnesium over Aluminium in Industry”, Int. Journal of Advanced Scientific Technologies, Engineering and Management Sciences, ISSN 2454-356X, Vol. 3,(1), **2017**, http://www.ijastems.org/nctimemic-2017/04/v3.sia1_.46
23. **Bavanish. B**, Dr. K. Thyagarajan, “Optimization of power coefficient on a Horizontal Axis Wind Turbine using BEM theory”, International Journal Of Renewable And Sustainable Energy Reviews, ISSN: 1364-0321, Vol. 26, (3), **2013**, pg. 169 – 182. (SCI)
24. **Bavanish. B**, Dr. K. Thyagarajan, “Aerodynamic performance analysis of a flat plate HAWT” International Journal of Recent Technology and Engineering ISSN : 2277-3878, Vol. 1, (2), **2012**, pg. 181 – 191, <https://www.ijrte.org/wp-content/uploads/papers/v1i2/B0236051212.pdf>

CONFERENCE PUBLICATIONS

Sl. No.	Year	Title of Conference or Institution	Title/Subject of presentation
1.	2021	Mall Reddy College of Engineering & Tech., Hyderabad, Telengana	Experimental Investigation of Nano Lanthanum dioxide fortified with Magnesium Alloy
2.	2019	National conference on Advances in Energy Efficient Technologies	Design and Analysis of HAWT Blade
3.	2019	National conference on Advances in Energy Efficient Technologies	Design and Fabrication of Industrial AGV with Marine Learning Technology
4.	2017	National conference on Technology Innovation in Mechatronics, Energy and Intelligent Communication	Relevance of Damless power generation
5.	2017	National conference on Technology innovation in Mechatronics, Energy Management and Intelligent communication	Analysis of Replacing Magnesium Over Aluminium In Industry
6.	2016	International Conference on Renewable Energy and Materials for Sustainability	Performance Evaluation of Vertical flow Helical Turbine suited for Perennial / Tidal sources
7.	2011	International Conference on Intelligent Science & Technology	Composites for Wind Turbine Blade
8.	2011	International Conference On Recent Trends In Engineering, Management And Computer Application INRTIEMC	Effect of Blade Angle on Power Coefficient for a Horizontal Axis Wind Turbine with Flat Plate Airfoil Blade section
9.	2010	International Conference on Recent Advances in Mechanical Engineering	Design Aspects of a Horizontal Axis Wind Turbine
10.	2010	International Conference on Recent Advances in Mechanical Engineering	Design Considerations for Horizontal Axis Wind Turbine
11.	2010	International Conference on Recent Advances in Mechanical Engineering	Aerodynamic Performance Analysis and Optimization aspects of Composite Wind Turbine Blade
12.	2010	International Conference on Recent Advances in Mechanical Engineering	Vibration Analysis of Tower in Wind Electric Generators
13.	2006	National Conference on Emerging Technologies in Mechanical Engineering	Blended Model of Six Sigma & CMM For Quality Management in Indian Software Industries
14.	2006	International Conference on Management at Indian Institute of Management,	Blended Methodology for Quality Management in Software Industries - A Study in Indian Software Firms

Sl. No.	Year	Title of Conference or Institution	Title/Subject of presentation
15.	2005	National Conference On Emerging Technologies In Advanced Manufacturing (ETAM)	Product Innovation Process Based on Knowledge Management Supervised by Six Sigma Quality Supervision Mechanism
16.	2005	National Conference on Recent Advances in Mechanical Engg	Six Sigma in Software Industries

CONFERENCE ATTENDED

Sl. No.	Year	Title of Conference or Institution	Title/Subject of presentation
1.	2021	Micro Enterprises & Covid-19	St. Teresa Arts and Science College for Women

COURSES COMPLETED

Sl. No.	Year	Title of Course	Institution
1.	2021	Course on Basics of Industrial Hygiene	Udemy
2.	2020	Course on Positive Intervention and Situational Awareness Induction	International Association for Chemical Safety & The Knights of Safety
3.	2020	Course on Hazardous Substances Routes-to-Entry	International Association for Chemical Safety & The Knights of Safety
4.	2020	Course on Display Screen Equipment (DSE) Hazard Awareness Course	International Association for Chemical Safety & The Knights of Safety
5.	2020	Course on COSHH Hazard Communication Awareness	International Association for Chemical Safety & The Knights of Safety
6.	2020	Course on COSHH and Working in Confined Spaces	International Association for Chemical Safety & The Knights of Safety
7.	2020	Course on COSHH and Respiratory Sensitizers Awareness	International Association for Chemical Safety & The Knights of Safety
8.	2020	Course on COSHH Awareness	International Association for Chemical Safety & The Knights of Safety
9.	2020	Course on Slip, Trips and Falls Awareness Course	International Association for Chemical Safety & The Knights of Safety
10.	2020	Course on Personal Protective Equipment Awareness Course	International Association for Chemical Safety & The Knights of Safety

Name of the Course/ Training Programme	Venue	Sponsoring Agency	Duration
WIND FARM DEVELOPMENT AND RELATED ISSUES"	CENTRE FOR WIND ENERGY TECHNOLOGY, CHENNAI.	-	6, 7 DECEMBER 2007
THEORETICAL AND COMPUTATIONAL FLUID DYNAMICS"	INDIAN INSTITUTE OF TECHNOLOGY, MADRAS.	AICTE	10 – 14 MARCH 2012
FIBRE REINFORCED COMPOSITE MATERIALS FOR AEROSPACE APPLICATIONS"	MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI.	AICTE	23 – 27 NOVEMBER 2009
FACULTY DEVELOPMENT PROGRAMME	NOORUL ISLAM UNIVERSITY, KUMARACOIL.		26 – 28 AUGUST, 2010

Name of the Seminar/Symposium/Workshop/Conference	Venue & Dates
A. INTERNATIONAL CONFERENCES	
TOTAL ENGINEERING ANALYSIS AND MANUFACTURING TECHNOLOGIES",	DURING 28 FEBRUARY – 2 MARCH 2006 AT J.N. TATA AUDITORIUM, INDIAN INSTITUTE OF SCIENCE, BANGALORE.
TOTAL ENGINEERING ANALYSIS AND MANUFACTURING TECHNOLOGIES	DURING 2 – 4 NOVEMBER 2004 AT J.N. TATA AUDITORIUM, INDIAN INSTITUTE OF SCIENCE, BANGALORE.
B. INTERNATIONAL WORKSHOP	
WORKSHOP ON DESIGN FOR SIX SIGMA FOR PRODUCT DEVELOPMENT	DURING 28 FEBRUARY – 2 MARCH 2006 AT J.N. TATA AUDITORIUM, INDIAN INSTITUTE OF SCIENCE, BANGALORE.
WORKSHOP ON RAPID PROTOTYPING AND VIRTUAL REALITY	ON 1 NOVEMBER 2004 AT J.N. TATA AUDITORIUM, INDIAN INSTITUTE OF SCIENCE, BANGALORE.
C. NATIONAL WORKSHOP	
WORKSHOP ON EMERGING TRENDS IN MATERIALS AND MANUFACTURING	ON 1 JULY 2005 AT ST. JOSEPH'S COLLEGE OF ENGINEERING CHENNAI.
WORKSHOP ON VIRTUAL INSTRUMENTATION USING LABVIEW SOFTWARE	ON 28 FEBRUARY 2007 AT ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING, CHUNKANKADAI.

16. Papers presented in Seminars/Symposia/Workshops/Conferences:

Title of the paper	Name of Conference	Venue & Dates
A. INTERNATIONAL CONFERENCE		

<p>BLENDED METHODOLOGY FOR QUALITY MANAGEMENT IN SOFTWARE INDUSTRIES-A STUDY IN INDIAN SOFTWARE FIRMS</p>	<p>AIMS INTERNATIONAL CONFERENCE ON MANAGEMENT AT INDIAN INSTITUTE OF MANAGEMENT,</p>	<p>AHMEDABAD, 2006</p>	
<p>DESIGN ASPECTS OF A HORIZONTAL AXIS WIND TURBINE</p>	<p>INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN MECHANICAL ENGINEERING</p>	<p>2010, AT NOORUL ISLAM UNIVERSITY, KUMARACOIL</p>	
<p>DESIGN CONSIDERATIONS FOR HORIZONTAL AXIS WIND TURBINE</p>	<p>INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN MECHANICAL ENGINEERING</p>	<p>2010, AT NOORUL ISLAM UNIVERSITY, KUMARACOIL</p>	
<p>AERODYNAMIC PERFORMANCE ANALYSIS AND OPTIMIZATION ASPECTS OF COMPOSITE WIND TURBINE BLADE</p>	<p>INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN MECHANICAL ENGINEERING</p>	<p>2010, AT NOORUL ISLAM UNIVERSITY, KUMARACOIL</p>	
<p>COMPOSITES FOR WIND TURBINE BLADE</p>	<p>INTERNATIONAL CONFERENCE ON INTELLIGENT SCIENCE & TECHNOLOGY -2011</p>	<p>2011 AT SUN COLLEGE OF ENGINEERING AND TECHNOLOGY, NAGERCOIL,</p>	
<p>VIBRATION ANALYSIS OF TOWER IN WIND ELECTRIC GENERATORS</p>	<p>INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN MECHANICAL ENGINEERING</p>	<p>2010, AT NOORUL ISLAM UNIVERSITY, KUMARACOIL</p>	
<p>EFFECT OF BLADE ANGLE ON POWER COEFFICIENT FOR A HORIZONTAL AXIS WIND TURBINE WITH FLAT PLATE AIRFOIL BLADE SECTION</p>	<p>INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ENGINEERING, MANAGEMENT AND COMPUTER APPLICATION INRTIEMC – 2011</p>	<p>2011 AT PALLAVAN COLLEGE OF ENGINEERING, KANCHIPURAM, TAMILNADU.</p>	

B. NATIONAL CONFERENCE		
PRODUCT INNOVATION PROCESS BASED ON KNOWLEDGE MANAGEMENT SUPERVISED BY SIX SIGMA QUALITY SUPERVISION MECHANISM	NATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN ADVANCED MANUFACTURING (ETAM)	2005 AT K.L.N. COLLEGE OF ENGINEERING, MADURAI
SIX SIGMA IN SOFTWARE INDUSTRIES	NATIONAL CONFERENCE ON RECENT ADVANCES IN MECHANICAL ENGG	2005 AT NI COLLEGE OF ENGG., KUMARACOIL
BLENDED MODEL OF SIX SIGMA & CMM FOR QUALITY MANAGEMENT IN INDIAN SOFTWARE INDUSTRIES	NATIONAL CONFERENCE ON EMERGING TECHNOLOGIES IN MECHANICAL ENGINEERING	2006 AT PET ENGINEERING COLLEGE, VALLIOOR

WORKSHOP ATTENDED

Sl. No.	Year	Title of Course	Institution
1.	2020	Workshop on LaTeX	Sardar Vallabhbhai Patel Institute of Technology, Vasad
2.	2020	Workshop on Overview of Automobile Passive Safety	Noorul Islam Centre for Higher Education, Kumaracoil
3.	2020	Workshop on Awareness on Industrial Safety during Covid-19	S. A. Engineering College, Chennai

FDP ATTENDED

Sl. No.	Title	Institution	Dates	No. of days
1.	Thermal Engineering	PSN College of Engineering & Technology,	07 – 06 – 2021 to 11 – 06 – 2021	5 days
2.	FDP – Research Challenges in Mechanical Engineering	Sri Venkateswara College of Engg. And Technology, Ananthapur	22 – 06 – 2020 to 27 – 06 – 2020	6 days
3.	FDP – ICT Tools for Technology Infused Learning, Module - 2	Saveetha Engineering College, Chennai	15 – 06 – 2020 to 20 – 06 – 2020	6 days
4.	FDP – Recent Advances in Mechanical Engineering	Shri G. S. Institute of Technology and Science, Indore, MP	08 – 06 – 2020 to 13 – 06 – 2020	6 days
5.	FDP – ICT Tools for Technology Infused Learning, Module - 1	Saveetha Engineering College, Chennai	01 – 06 – 2020 to 06 – 06 – 2020	6 days
6.	FDP – ICT based Teaching and Learning Process	Hindusthan College of Arts and Science, Coimbatore	01 – 06 – 2020 to 05 – 06 – 2020	5 days
7.	FDP – Emerging Areas in Manufacturing	Vimal Jyothi Engineering College, Kannur, Kerala	25 – 05 – 2020 to 30 – 05 – 2020	6 days
8.	FDP – Industry 4.0: Bridging the Gap between Industry and Academia in Mechanical Engineering	Stell Mary's College of Engineering, Azhikal	17 – 06 – 2020 to 21 – 06 – 2020	5 days

Sl. No.	Title	Institution	Dates	No. of days
9.	FDP – Indigenous Knowledge Systems and Modern Education	Sree Ayyappa College for Women, Nagercoil	25 – 05 – 2020 to 29 – 05 – 2020	5 days
10.	FDP – Materials for Thermal and Renewable Energy Research	Sri Sai Ram Institute of Technology, Chennai	20 – 05 – 2020 to 24 – 05 – 2020	5 days
11.	FDP – Industrial Safety Concepts and Techniques	Noorul Islam Centre for Higher Education, Kumaracoil	15 – 07 – 2020 to 19 – 07 – 2020	5 days
12.	FDP – Introduction to Renewable Energy Sources	KKR & KSR Institute of Technology and Sciences, Andhra Pradesh	20 – 06 – 2020 to 24 – 06 – 2020	5 days
13.	FDP – Emerging Research Areas in Engineering	SRM Institute of Science and Technology	05 – 06 – 2020 to 09 – 06 – 2020	5 days
14.	FDP – Enhancing Educational Practices to Meet Industrial Challenges	Noorul Islam Centre for Higher Education, Kumaracoil	03 – 07 – 2020 to 05 – 07 – 2020	3 days
15.	FDP – ICT Teaching and Learning	Sree Ayyappa College for Women, Nagercoil	02 – 06 – 2020 to 03 – 06 – 2020	2 days
16.	FDP – Research Methodology	Jeppiaar Institute of Technology, Sriperumbudur	01 – 06 – 2020 to 02 – 06 – 2020	2 days
17.	FDP – Water Resources Planning and Management	Noorul Islam Centre for Higher Education, Kumaracoil	14 – 07 – 2020	1 day
18.	FDP – Introduction to Finite Element Analysis	Noorul Islam Centre for Higher Education, Kumaracoil	30 – 06 – 2020	1 day
19.	FDP – Build your future in Machine Learning & Artificial Intelligence	Islamiah Women's Arts and Science College, Vaniyambadi, Tamil Nadu	23 – 06 – 2020	1 day
20.	FDP – CFD Simulation of Thermal Management of Batteries and Power converters	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engg. College, Chennai	28 – 05 – 2020	1 day
21.	FDP – Future Automotive Industry and Challenges	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engg. College, Chennai	27 – 05 – 2020	1 day
22.	FDP – Outcome Based Education Software	Vmedulife Software services	11 – 06 – 20 20	1 day
23.	FDP – Nurturing the Graduates on Industry readiness	Bethlahem Institute of Engineering Karungal, Kanyakumari Dist, Tamilnadu- 629157	12 – 06 – 2020	1 day

TRAININGS ATTENDED

Sl. No.	Title	Institution	Dates	No. of days
1.	Training on Introduction to Fire and Safety Engineering	FTSE, NICHE	24 – 06 – 2021	1 day
2.	Training on Basics of Fire and Safety	FTSE, NICHE	09 – 06 – 2021	1 day
3.	Training on COVID AWARENESS	FTSE, NICHE	27 – 05 – 2021	1 day
4.	Training on Basic Life Support	FTSE, NICHE	26 – 05 – 2021	1 day
5.	Training on Intelligent Robotics and Machine Vision Technology	Indian Society for Technical Education & Sri Sai Ram Institute of Technology, Chennai	20 – 05 – 2020 to 24 – 05 – 2020	5 days

WEIBINARS ATTENDED

Sl. No.	Title	Institution	Dates	No. of days
1.	Evolution of Combustion Technology	Coimbatore Institute of Engg. & Tech., Coimbatore	05 – 06 – 2021	1 day
2.	Funding Projects, Consultancies and Book Writing	Vimal Jyothi Engineering College. Chemperi, Kannur	08 – 07 – 2020	1 day
3.	Auto Power Drive	Amal Jyothi College of Engineering, Kottayam	29 – 06 – 2020	1 day
4.	Documentation using Latex	AAA College of Engineering and Technology, Sivakasi	26 – 06 – 2020	1 day
5.	Adventures of Particle Physicists	Francis Xavier Engineering College, Tirunelveli	20 – 06 – 2020	1 day
6.	Evolution of Additive Manufacturing	NICHE, Kumaracoil	17 – 06 – 2020	1 day
7.	Significance, Impact and Imperatives of Accreditation, and NBA process	NICHE, Kumaracoil	13 – 06 – 2020	1 day
8.	Developing Digital Portfolio as Volunteer	Jansons Institute of Technology	12 – 06 – 2020	1 day
9.	NAAC – The New Format – A PARADIGM SHIFT	NICHE, Kumaracoil	12 – 06 – 2020	1 day
10.	Basics of Fire and Safety Engineering	NICHE, Kumaracoil	10 – 06 – 2020	1 day
11.	Role of Mechanical Engineering in Space Technology Development	Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engg. College, Chennai	02 – 06 – 2020	1 day

Sl. No.	Title	Institution	Dates	No. of days
12.	Insights to Industry 4.0	S. A. Engineering College, Chennai	29 – 05 – 2020	1 day
13.	Introduction to design of Experiments	Arasu Engineering College, Thanjavur	27 – 05 – 2020	1 day
14.	Enhancing the Productivity in Design using KBE tools	Akshaya College of Engineering and Technology, Coimbatore	27 – 05 – 2020	1 day
15.	Writing an Effective Research Paper – Means and Methods	Hindusthan College of Arts and Science, Coimbatore	27 – 05 – 2020	1 day
16.	Solar Thermal Technologies	Mohamed Sathak Engineering College, Kilakarai, Ramanathapuram	27 – 05 – 2020	1 day
17.	Teachers and Technology	NICHE, Kumaracoil	26 – 05 – 2020	1 day
18.	Best Practices in Teaching and Learning Process	DMI Engineering College, Aralvaimozhi	23 – 05 – 2020	1 day
19.	Education 4.0 – The Future of Learning in the Pandemic World	P.S.R. Engineering College, Sivakasi	22 – 05 – 2020	1 day
20.	Advancement in Automotive Safety - Airbags	i3 CADD, Chennai	22 – 05 – 2020	1 day
21.	Reflections on Globalization	PSNA College of Engg. And Technology, Dindigul	22 – 05 – 2020	1 day
22.	Patent Filing Basics	Dhaanish Ahmed College of Engineering, Chennai	21 – 05 – 2020	1 day
23.	Preparing for Future	PSNA College of Engg. And Technology, Dindigul	17 – 05 – 2020	1 day

Additional responsibilities held

- Doctoral Committee member in ANNA University, Chennai
- Been as a member in the National Level Advisory Committee for a National Level Conference.
- Having a Research on CFD, handled a technical session on GAMBIT in a Technical Workshop.
- Additional Chief Superintendent for Noorul Islam Theory Examinations.
- As the Department Association Co-ordinator, successfully conducted Technical Symposiums.
- As Auto Expo Co-ordinator, successfully conducted Auto Expo in the department of Mechanical Engineering.