



1. Dr. SIVAPRASAD K PROFESSOR, DEPARTMENT OF TECHNOLOGY, COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

Name : K. Sivaprasad
Department : Department of Ship Technology
Contact Details :
Address for communication Email : Chintamanigriham, Temple Road, Thrikkakara, Kochi-22
Phone : Mob: 9349265677
Intercom : sivachinta1965@gmail.com,
sivaprasad@cusat.ac.in

2. ACADEMIC BACKGROUND

QUALIFICATIONS:

Ph.D : PhD (Development of Best Practices in Ship Recycling Processes)
Qualifying Post Graduate Degree: : MSc Ship Production, University of Strathclyde, Glasgow, United Kingdom
Post Graduate Degree(s) : MSc (Ship Production)
Under Graduate Degree(s): : BTech (Naval Architecture & Shipbuilding)

3. RESEARCH PERFORMANCE

Each published/accepted paper in Journal/conferences

| Sl. No | Authors (As published in the paper) | Title | Journal | Year |
|--------|--|---|---|------|
| 1. | K. Sivaprasad | Quality Function Deployment in Ship University of Strathclyde, Glasgow, UK, | MSc Thesis, University Of Strathclyde, Glasgow, United Kingdom | 1993 |
| 2 | K.Sivaprasad, Abdul Gaffur V | Design and Development of Special Container Barge for Cochin Export Processing Zone (CEPZ), | MarineSymposium-96- International Symposium on Marine Engineering, Institution of Marine Engineers-India, Chennai, November. | 1996 |
| 3 | Sivaprasad K ,Ramesh R S ; | Quality Function Deployment in Ship building, | Shipstechnic, Journal of society of Naval Architecture Students, Department of ship Technology, CUSAT, Kochi, pp35-40, January. | 1997 |
| 4. | K.Sivaprasad | Roles and Responsibilities of Elements of TQM In Technical Education A Systems Approach. | National seminar on TQM In Technical Education, TK Kolhapur,27-28 February 1997. | 1997 |

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|----|---------------------------------|--|---|------|
| 5 | K.Sivaprasad | Concept Design Of A | National Seminar On | 1997 |
| 6 | Dileep Krishnan K, | Solar Powered Slow Speed Cruiser, | Application Of Solar Energy Related Developments, Central Power Research Institute, Thiruvananthapuram, 20-21 November 1997. | |
| 7 | K.Sivaprasad, Dileep Krishnan K | Concept Design of A Solar Powered Tourism Cruiser For Inland Waterways. | National Seminar on Energy for Better Tomorrow- Renewable and Non- Renewable Energy Resources, Kavikulguru Institute of Technology and Science, Ramtek, Nagpur, 26-28 December 1998 | 1998 |
| 8 | K. Sivaprasad | Process RE-Engineering in Technical Education, Systems Approach. | International Seminar on Technical Education in 21 st Century, Directorate of Technical Education, Govt. Of Madhya Pradesh, January | 1998 |
| 9 | K.Sivaprasad, Mathiazhagan A | Cathodic Protection of Ship's Hull. | Shipstecnic, Journal of Society of Naval Architecture Students, Department of Ship Technology ,CUSAT, Kochi, February | 1998 |
| 10 | K. Sivaprasad, Mathiazhagan A | K.Sivaprasad, Mathiazhagan A Condition Monitoring Of Ship's Hull for Corrosion | National Seminar on Condition Monitoring Central Electro Chemical Research Institute, Trichy and CSIR , Kochi, September 1998 | 1998 |

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|----|-----------------------------|---|---|------|
| 11 | Sivaprasad K, Vimal Vinayan | Economic Feasibility Study of Ro-Ro Ships between Mumbai and Calcutta. | Shipstecnic, Journal of Society of Naval Architecture Students, Department of Ship Technology, CUSAT, Kochi, February, pp 56-68 | 2000 |
| 12 | K. Sivaprasad ,Amrith Nair | Feasibility Study of a Marble/ Granite Carrier; A Coastal Ro- Ro Concept. | National Convention of Marine Engineers, Kochi 9- 10 February | 2001 |

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|----|---|--|--|------|
| 13 | K. Sivaprasad Suresh Manu K. Harish G.S | Dredger cum Weed Remover, a Feasibility Study. | Shipstechnic., Journal of Society of Naval Architecture Students, Department of Ship Technology., CUSAT, Kochi pp- 113-120, June | 2001 |
| 14 | K. Sivaprasad | Ship Recycling in India-on Overview, | Journal of Ship Technology, Institution of Naval Architects, New Delhi | 2005 |
| 15 | K.Sivaprasad, Dileep Krishnan K, C G Nandakumar | Sustainable Development Index. | International Conference on Ship Dismantling 15-16 September, ASRANET, Glasgow University, Glasgow | 2008 |
| 16 | VikasShenoi V,K Sivaprasad, C G Nandakumar | Recycling of Demolished Products of Reclying Building 2008 | RACE-2008, National Symposium on Recent Advances in Civil Engg. School of Civil Engg, School Of Engg., CUSAT, December | 2008 |
| 17 | K.Sivaprasad, Dileep Krishnan K | Solar Solutions for Echo-tourism in Lakes, Lake-08. | National Seminar on Lakes and Ecosystems, IIScBanglore,22-24 December | 2008 |
| 18 | K Sivaprasad, Ujjwal Kumar Vidyarthi, Suby Chandy V | Design for Ship Repair and Survey. | Ship technic, Journal of Society of Naval Architecture Students, Department of Ship Technology, CUSAT, Kochi, June | 2009 |
| 19 | K Sivaprasad, Dileep Krishnan K, Sudheer C B, Madhu S Nair | Concept Design of a Coastal Inland Bulk Carrier. | National Conference, Institution of Marine Engineers, India , Kochi, December | 2009 |
| 20 | Sivaprasad, K, C G Nandakumar | Recyclability Analysis of Obsolete Ships and Products | Proceedings of 3rd International Conference on Dismantling of Obsolete Vessels, Glasgow, September | 2010 |
| 21 | Sivaprasad. K, C G Nandakumar | Sustainable Recycling of Ships | International Conference on Recent Advances in Chemical Engineering, RACET_2011, Indian Institute of Chemical Engineers, Kochi Regional Centre and CUSAT, March | 2011 |

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|----|--|--|---|------|
| 22 | K. Sivaprasad | Development of Hydrel Tourism in Kerala | Indian Maritime University Kochi Centre Souvenir, Kochi, 18 th Sept | 2011 |
| 23 | K. Sivaprasad | Ship City | Proceedings of National Seminar on Marine Engineering-Cochin Marine Seminar, Institute of Marine Engineers (IMarE) Kochi, 18-19November | 2011 |
| 24 | Sivaprasad K | Role of Alumni Associations in the Holistic Development of Engineering Institutions | AICERA 2012, Amaljyothi Engineering College, Kanjirappally, Kerala, India, July | 2011 |
| 25 | Jayaram S., Sivaprasad K. and Nandakumar C.G | Recycling of Composite Marine Structures | Proceedings of the XXVIII National Convention of Mechanical Engineers & National Seminar on Emerging Technologies in Product Development for Safe and Sustainable Mobility, Coimbatore, September | 2012 |
| 26 | K Sivaprasad, Ajay Asok Kumar | Roles of Alumni Associations in Professional Development of Engineers in Maritime Technology | Proceedings of International Seminar on the Education and Professional Development of Engineers in the Maritime Industry, Southampton, UK.14-15 November, RINA, London | 2012 |
| 27 | Sivaprasad K, C.G.Nandakumar | Expert System for Ship Recycling | International Journal of Maritime Engineering, Vol154, PartA4, pp A169-A177, Oct-Dec | 2012 |
| 28 | Sivaprasad K., Jayaram S and Nandakumar C.G Kumar | Recycling Of Decommissioned Naval Fleet Efficient Link for Industry–Institute Collaboration | International Conference cum Exhibition on Technology of the Sea, Visakhaptanam,6th-8th December Engineers in the Maritime Industry, RINA, London | 2012 |
| 29 | K Sivaprasad K, Vipin Vijayan, Praveen Viswanath | India as a Hub of Maritime Technology Education in South East Asia | Proceedings of International Seminar on Education & Professional Development of Engineers In The Maritime Industry, RINA, London | 2013 |

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|----|---|---|--|------|
| 30 | Sivaprasad K, C G Nandakumar, Dileep Krishnan K | <i>Eco-Aqua</i> : Solar Powered Slow Speed House Boat for Kerala Backwaters | Proceedings of NATCON, National Technological Congress, Rajiv Gandhi Institute of Technology, Kottayam, 1-2 March | 2013 |
| 31 | Sivaprasad K. Nandakumar C G | Role of Naval Architects in Ship Recycling | Journal of Shipping and Offshore Engineering, Vol. 3, Number 1-2, February | 2013 |
| 32 | K. Sivaprasad, Nandakumar C G | Design for Ship Recycling | Ships and Offshore Structures, Volume 8, Number 2, 1, pp .214-223, April | 2013 |
| 33 | K Sivaprasad, Ajay Asok, Vipin Vijayan | Workshop and Laboratory Practices in Naval Architecture and Shipbuilding Academic Curriculum: Teaching Enhancement Using In-House Models and Shipyards Internship Programmes | International Conference on the Education and Professional Development of Engineers in the Maritime Industry, RINA, London | 2014 |
| | | | | |
| 34 | K Sivaprasad, Dr. Ajay Asok | Case Study on DESCON- Institute Consultancy Cell: An | International Conference on the Education and Professional Development of | 2015 |
| 35 | S. Jayaram, K.Sivaprasad, C.G. Nandakumar, | Guidance Plan for Ship Recycling based on Disassembly Concept | ICSOT India: Coastal & Inland Shipping, IIT Kharagpur, India | 2015 |

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|------|--|---|---|------|
| 36 | K.Sivaprasad, C.G.Gautham Krishnan | The "Nallukettumaran " Design Concept - Embracing Eco- Friendly Technology with Traditional Ambience and Architecture For The Kerala Inland Waters | ICSOT India: Coastal & Inland Shipping, I IT Kharagpur, India | 2015 |
| 36-A | Sivaprasad K, Gautham Krishna C G | The 'STI-CON' Start- Up Concept, The Maritime Answer to Innovation and 'Make In India' by CUSAT | International Conference on education and Professional Development of Engineers in Maritime Industry-2016, Singapore, Royal Institution of Naval Architects, RINA, London | 2016 |
| 37 | K.Sivaprasad, Sangeet S U, et al | Experience Capture in Shipbuilding Through Computer Applications And Neural Networks | International Conference on Computer Application in Shipbuilding-2017, Singapore ICCAS-17, Royal institution of Naval Architects, London | 2017 |
| 38 | Sivaprasad K, Yaswanth R Kamath | Experience Capture using Microsoft <i>Share Point</i> in Shipbuilding | International Conference on Computer Application in Shipbuilding-2017, Singapore, ICCAS-17, Royal institution of Naval Architects, London | 2017 |
| 39 | Sivaprasad K, Sanal B Nair et al | Recycling Options for Obsolete Drilling Platforms | International Conference on Ship and Offshore technology, Indian Institute of Technology, Kharagpur, India | 2017 |
| 40 | Sivaprasad K, Pratap Chitlanjia | Use of Piezo-Electric Crystals on Offshore Platforms | International Conference on Ship and Offshore technology, Indian Institute of Technology, Kharagpur, India | 2017 |
| 41 | Sivaprasad K , Ajit Nair et al | Crack Assessment Criteria for Ship's Hull Based on Ship's Operational Life | Cogent | 2017 |

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|----|--|---|---|------|
| 42 | Sivaprasad K, Sreenath Subramanyam et al | Role of Shipyards in Green Management of Ship Life Cycle | DIMS-18, DOSTAS International Maritime Seminar-2018, Department of Ship Technology, Cochin University of Science and Technology Kochi, Kerala | 2018 |
| 43 | Sivaprasad K, Thomas Mathew et al | Industry-Institute Interaction with Long Term Memorandum of Understanding, MoU Based Case Study between Cochin Shipyard Ltd. and University of Science and Technology, Kochi, | International Conference on education and Professional Development of Engineers in Maritime Industry, Royal Institution of Naval Architects, RINA, London | 2018 |
| 44 | Sivaprasad K Baiju M V et al | Standardisation of Design of a Combination Fishing Vessel in India | National Symposium on Marine Design and Construction, Indian Institute of Technology, Madras, Chennai, India | 2018 |
| 45 | Sivaprasad K, Ajith Nair et al | Novel Systematic Approach to Assessing Human Factors and Engineering Issues in Maritime accidents | ISOR Journal of Engineering | 2018 |
| 46 | Sivaprasad K, Jayaram S | Recycling of FRP Boats | International Journal of Advanced engineering and Technology | 2018 |
| 47 | Sivaprasad K, Jayaram S et al | Strategic Guidance Plan for Recycling of Ships in India | International Journal of Advanced engineering and Technology | 2018 |
| 48 | Sivaprasad K, Yaswanth R Kamath | Experience Capture using Microsoft <i>Share Point</i> in Shipbuilding | The Naval Architect, Journal of, Royal institution of Naval Architects, London | 2018 |
| 49 | Sivaprasad K, Yaswanth R Kamath | Application of Computing Technology in Ship Recycling | International Conference on Computer Application in Shipbuilding-2019, ICCAS-19, Rotterdam, Royal institution of Naval Architects, London | 2019 |

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| 50 | Sivaprasad K Baiju M V et al | Standardisation of a Combination Fishing Vessel in India | Journal of Offshore Technology | 2019 |
| 51 | Sivaprasad K Baiju M V et al | Application of Hydraulics in Fishing Vessel Deck Equipment | Fishery Technology | 2020 |
| 52 | Sivaprasad K, Prashanth K et al | A Short Review on Sail Assisted Ocean Going Ship using CFD Analysis | International Journal of New Innovation in Engineering and Technology, | 2020 |
| 53 | Sivaprasad K, Jayaram S | Enrichment of Product Modelas of Ship from a Ship recycling Perspective | International Journal of advanced research in Engineering and Technology | 2021 |
| 54. | Sivaprasad K, Jayaram S et al | Effect of Hong Kong Convention (HK-2009) on the Sustainability of International Ship Recycling Industry | 2 nd International conference on the Decommissioning of Offshore and Sub Sea Structures- DECOM- 2020,2021, Aberdeen, UK, ASraNET | 2021 |
| 55 | Sivaprasad K, Prashant K et al | Optimization of Wind Sail using Computational Fluid Dynamics Simulation | International Journal of Vehicle Structures & Systems | 2021 |
| 56 | Sivaprasad K, Nishanth Pai et al | Design of a Quarantine Ship | 3 rd International Conference on Smart and Green Technology for Shipping and Maritime Aberdeen, U K, AsraNET | 2021 |
| 57 | Sivaprasad K Baiju M V et al | Study of Influence of Bulbous Bow on the Resistance of a Fishing Vessel Hull Form Using CFD Analysis | Fishery Technology | 2022 |
| 58 | Sivaprasad K | Sustainable Development of Indian Ship Recycling Industry in Compliance with Recycling of Ships Act-2019, Government of India, | Open Science | 2022 |

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| 59 | Sivaprasad K, Gireesh Mukundan et al | A Comprehensive Review on Decarbonisation Technologies Available for OSV Sector | Abu Dhabi International Petroleum Exhibition and Conference (ADIPEC) | 2023 |
| 60 | Sivaprasad K, Gireesh Mukundan et al | Acceptability of Decarbonization Technologies available for Offshore Support Vessels | Journal of Propulsion Technology | 2023 |

4. Text Books/Reference Books/subject books/monograph/Chapters of Books Published

| SI No. | Title with ISBN Number | Publisher with Place of Publication | Year |
|--------|---|--|------|
| 1. | Marine Corrosion | Cochin University of Science and Technology, Kochi-22, Kerala | 2014 |
| 2. | History of Department of Ship Technology In "A JOURNEY TO EXCELLENCE" 50 years of Cochin University of Science & Technology | do | 2023 |

5. Externally Funded Research /Consultancy Projects through University/Institution (Both completed and Ongoing Projects):

| SI No. | Project Cost in Lakhs | Title | Funding Agency | Duration |
|--------|-----------------------|---|---|-----------|
| 1. | INR 0.45 Lakhs | Setup of Advanced Documentation and Information Centre | AICTE, New Delhi under MODROBS | 1998-2001 |
| 2. | INR 0.45 Lakhs | Recommended Practices For Ship Recycling Processes | Class NK, Mumbai (Japanese Ship classification Society) | 2008-2013 |
| 3 | INR 0.45 Lakhs | Feasibility Study for Solar Powered Ferry for State Water Transport Dept., Govt. of Kerala | State Water Transport Dept., Govt. of Kerala Govt. of Kerala | 2013-14 |

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| 4. | INR 19 Lakhs | Design of River Sea Vessel for Inland Waterways Authority of India | Cochin Shipyard Limited | 2011-2013 |
| 5. | INR 4,4 Lakhs | Concept Design, Inspection and Survey of Inland Ammonia Barge | Fertilizers and Chemicals Tranvancore Ltd. (FACT) | 2011-2013 |
| 6. | INR 0.05 Lakhs | Technical Specifications and Estimation of Inspection Boat for Forest Dept. | Forest Department, Parambikkulam Range | 2013-14 |
| 7. | INR 1.87 Lakhs | Inspection of Construction of Steel Passenger Boats for Kerala Government | Steel Industrails Kerala Limited, Kannur | 2006-2015 |
| 8. | INR 0.65 lakhs | Design of Steel Passenger Boat for Kerala Government | Steel Industrails Kerala Limited, Kannur | 2013-14 |
| 9. | INR 10 Lakhs | Design Scrutiny and Stability Tests for Inland Vessels under Kerala InlandVesselsRule-2010 | Various Boat Owners including governments of Kerala and India, Public Sector Companies, Private Boat Owners etc... | 2011-2023 |
| 10. | INR 1 Lakh | Design and Construction Survey of Small Waterplane Area Buoy (SWAB) | Department of Information Technology and NPOL, Govt. of India) | 2009-10 |
| 11. | | Worked as Owner's Consultant for Construction of 42Pax. FRP Tourist 1Vessel at Samudra Shipyard, Aroor, Alappuzha District. Samudra Shipyard, Aroor, Alappuzha District. | Dept. of Tourism, Govt. of Kerala | 2014-15 |

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| 12. | | Naval Architect Consultant, Naval Physical and Oceanographic Laboratory, DRDO, Kochi | Structural Modification of Sagar Dhvani, Oceanographic Research and Survey Vessel, Indian Navy | 2015 |
| 13. | | Conducted Inclining experiment for Assessing Stability of Amphibious Attack Tank, Namika and Prepared Stability Booklet. | Combat Vehicle Research Development Agency, CVRDE, DRDO, Avadi, Tamil Nadu | 1997-98 |
| 14. | | | Naval Architecture Consultancy on Supply, Purchase and Commissioning of Boats for Various Dams Under KSEB Ltd. | 2011-18 |
| 15. | INR 25 Lakhs | Cochin Shipyard Assisted Department Facility Upgradation in Model Making Shop (CADFUMS) | Corporate Social Responsibility Funded Academic Infrastructure Development Project | 2017-18 |
| 16. | INR 50 Lakhs | Design, Analysis and Modelling of Full Scale Submarine Platform | CARS Project by Naval Physical and Oceanographic Laboratory (DRDO), Kochi | 2022-24 |
| 17.. | INR 10 Lakhs | Risk and Reliability Analysis of Oceanographic Buoy and Data Management System (OBRA- Oceanographic Buoy Risk Analysis) | CARS Project by Naval Physical and Oceanographic Laboratory (DRDO), Kochi | 2022-24 |

**6. Research Guidance:
PhD–Degree Awarded**

| SI No. | Title | Name of co-guides (if any) | Name of student | University | Year |
|--------|---|----------------------------|-----------------|--|------|
| 1. | Forensic Engineering Investigations on Marine Casualties | | Ajit Nair | Cochin University of Science and Technology, Kochi | 2018 |
| 2. | Development of Strategies for Efficient Recycling of Ships | | Jayaram S | Do | 2019 |
| 3. | Optimization of Hull of a Fuel Efficient Deep Sea Multipurpose Fishing Vessel Using CFD | | Baiju M V | Do | 2021 |
| | Effective and Improved Requirement Engineering | | Murali Mohanan | Do | 2023 |
| | Aerodynamic Analysis of Sail Assisted Ships Using Computational Fluid Mechanics for Improved Geometry and performance | | Prashanth K | Do | 2023 |

7. PhD–Thesis submitted

| PhD–Thesis submitted | | | | | |
|----------------------|--|----------------------------|-----------------------------------|------------|----------------|
| SI No. | Title | Name of co-guides (if any) | Name of student | University | Year |
| 1. | Studies on the Effect of Activated Flux Bounded TIG Welding on the Structure- Property Correlation and Corrosion Behavior in Aluminum 5083 and Stainless Steel | Mathiazhagan A | Krishna Prasad S (as Joint Guide) | Do | Submitted 2024 |

8. Awards/Medals/Fellowships Academic Recognitions:

| Award | Particulars |
|----------------------|--|
| 1.Second Rank Holder | B Tech (Naval Architecture and Ship Building), Cochin University of Science And Technology,1989. |
| 2 . Awardee | Overseas Development Shared Scholarship Schemes (ODASS)for postgraduate Studies in Britain, 1992 |

9. Organiser/ Convener of International/National Conferences/Symposia/Seminars:

| | SI No. | Title and year | Chief organiser/ Convener | Co-organiser/ co-convener |
|---|--------|---|---------------------------|---------------------------|
| Internatio nal Level | 1 | MASTECH-2014, International Seminar on Marine Technology, DoST, Kochi-22, August-2014 | Convener | |
| | 2 | SMART-2000, International Seminar onMarine Technology, DoST,Kochi-22 | | Co-Organizer |
| | 3 | MASTECH-2015, International Seminar on Marine Technology, DoST, Kochi-22, August-2015 | | Co- Organizer |
| | 4 | MASTECH-2016, International Seminar on Marine Technology, DoST, Kochi-22, August-2016 | | Co- Organizer |
| National Level | 1 | National Workshop on Marine Corrosion, DoST, March-2012 | | Co- Organizer |
| 10. Industrial Experience | | | | |
| At Mazagon Docks Limited, Mumbai (1989-1994) | | | | |
| | 1. | Outfit Design | Junior Naval Architect | 1989-1991 2yrs |
| | 2. | Structural Design | Junior Naval Architect | 1991-1993 2yrs |
| | 3. | Outfit Design | Senior Naval Architect | 1993-1994 1yr |

11.Academic/Administrative Experience (give particulars):

| <i>Administrative experience:</i> | | | |
|-----------------------------------|---------------------------|-----------|--------------|
| SI No | Post Held | Period | No. of years |
| 1 | Head of the Department | 2013-2016 | 3 |
| 2 | Faculty Placement Advisor | 1997-2015 | 18 |

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| 3 | Faculty Internship Advisor | 2006-2015 | 9 |
| 4 | NAAC Coordinator | 2016-2020 | 4 |
| 5 | Warden, University Hostels | 1997-1998, 2002-2006 | 8 |

| 12.Academic experience (Member Board of Studies, Academic Council/Faculty etc.) | | | |
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| Sl No | Positions held | Period | No. of years |
| 1. | Worked as Head of the Department, DoST, Cochin University of Science and Technology | 2013-2016 | 3 |
| 2. | Project Work Guidance, Guidance of B Tech Final year students <i>Individual Ship Design Project</i> | 1994-2024 | 31 |
| 3. | Project work coordination, Designing, planning and \ scheduling of final year project Work of BTech. Students | 1994-1997 2005-2008 | 6 18 |
| 4. | Staff Advisor, BTech Student's Professional Association, Society of Naval Architecture Students (SNAS, established in 1978) Coordinator-Placement Cell, Campus Placements of BTech. students | 1996-2001 2003-2008 2015- 2020 | |
| 5. | Coordinator-Placement Cell, Campus Placements of BTech. students | 1995,2005, 2011,2012,20 13-2014, 2018-2020 | 16 |

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| 6. | Training Coordinator, Training of BTech. Students | 2001-2007, 2015 | 7 |
| 7. | Coordinator of the BTech. Curriculum Development | 1996-2000 | 4 |
| 8. | Member, Department Infrastructure Development Committee. | 1994-2008 | 4 |
| 9. | Faculty in Charge, Computer Room | 1994-1997 | 3 |
| 10. | Faculty in Charge, Ship and Boat Model Making | 1994-2000 | 6 |
| 11. | Secretary, Department Council | 1994-1999 | 5 |
| 12. | University Student Welfare -Welfare of Hostel inmates | 1997-1998 | |
| 13. | Member, Selection Committee University Cricket Team | 2002-2006 1996-1998 | 7 |
| 14. | Member of Board of Studies of Department of Ship Technology and Naval Studies, Under Cochin University of Science and Technology | 2013-2024 | 10 |
| 15. | Member of Faculty of Technology of Cochin University of Science and Technology | 2013-2014 | 10 |
| 16. | Member of Academic Council Cochin University of Science and Technology | 2013-2016 | 3 |
| 17. | Member, Student's Scholarship/Award Selection Committee | 1994-2022 | 28 |

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| 18. | Member of Panel of Experts for Implementation of Kerala Inland Vessels Act-2010 under Department of Ports, Government of Kerala. | 2010-2023 | 14 |
| 19. | Expert Committee Member Curriculum Design, Mahathma Gandhi University, Kottayam, Kerala | 2012 | 1 |
| 20. | Expert Committee Member Curriculum Committee Member, Govt. of Kerala Technical Education Dept. | 2014 | 1 |
| 21. | Member IQAC, Cochin University of Science and Technology | 2010-13 | 3 |
| 22. | Faculty Coordinator-ClassNK Best Project Award (for BTech. NA& SB) Constituted by ClassNK, World's Biggest Ship Classification Society, Tokyo, Japan | 2006-2023 | 18 |
| 23. | Conducted Parliamentary and State Legislative Assembly Elections under Chief Election Commissioner of India as PRESIDING OFFICER during the general elections and by-elections | 1996-2009 | 1996, 1998, 1999, 2001, 2004, 2006, 2009 |

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| 24. | Conducted Local Body Panchayath/ Municipal Elections under State Election Commissioner of India as PRESIDING OFFICER during the Kerala state local Body elections | 2000-2010 | 2000, 2005 And 2010 |
| 25. | Member, Executive Council, Indian Maritime University, Chennai (Nominated by The Visitor, Honourable President of India) | 2016-2018 | 3 |
| 26. | Member, the Court Indian Maritime University, Chennai (Nominated by the Visitor, Honourable. President of India) | 2016-2018 | 3 |
| 27. | Member, Panel of Experts, Defense Research and Development Organisation (DRDO), Ministry of Defense, Government of India, New Delhi | 2016-2024 | 9 |
| 28. | Member, Bureau of Indian Standards, Transport Division, Ministry of Consumer Affairs, Food and Public Distribution, Government of India, New Delhi | 2019- Till Date | 5 |
| 29. | Independent Director, Bharath Heavy Electricals Limited (BHEL), New Delhi | 2021- Till Date | 3 |
| 30. | Member, Research Board, Indian Maritime University, Central University under Ministry of Surface Transport, Government of India, Chennai | 2020 – Till Date | 4 |
| 31. | Member, India Technical Committee, ClassNK, Japanese International Ship Classification Society (Member Organization of International Association of Classification Societies under the United Nations) | 2020 – Till Date | 4 |

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| 32. | Member, National Monitoring Committee for Minority Education, Ministry of Education, Government of India, New Delhi | 2108 – Till Date | 6 |
| 33. | Member, Technical Committee, Kerala State Inland Navigation Corporation (KSINC), Kochi, Ministry of Inland Waterways, Government of Kerala | 2023 – Till Date | 1 |
| 13. Participation in Training Programs/Workshop/Summer Winter-Schools (organized by Govt .agencies /UGC/AICTE/,ICTP or Similar International Organisations): | | | |
| | Role | Title | Agency |
| 1 | Industry-Institute Partnership | ISTE | January 1995 |
| 2 | | | |
| 3 | Recent Trends In Analysis And Design of Ships and Offshore Structures | DoST, CUSAT | December 1995 |
| 4 | Marine Symposium-96, International Symposium On Marine Engineering | Institution of Marine Engineers, Chennai | November 1996 |
| 5 | | Swadeshi | |
| 6 | Japanese Management Technologies | Organised by AICTE/IST Eat Kota | 2 weeks, June 1996 |
| 7 | Recent Trends in Analysis and Design of Offshore structure | Organised by AICTE/ISTE at REC Calicut | 2 weeks, May 1997 |
| 8 | SERC(DST)Winter School on Reliability, Availability and Maintainability | Department of Science and Technology, IIT Kanpur | November 1997 |
| 9 | Workshop on Student Counseling | ISTE, IIT Madras, Chennai | November 1997 |
| 10 | National seminar on history of Indian sciences | Sciences. Movement- Kerala And CUSAT. | August 1998 |
| 11 | Corrosion Engineering | Organised by AICTE, IIT Bombay, Mumbai | May 1999 |
| 12 | Regional Training Course in Simulation | UNSECO and IIT Madras, Chennai | November 1999. |
| 13 | International Symposium On Ship And Marine Technology SMART 2000- International Conference on Ship and Marine Tech. | Department of Ship Technology, CUSAT | December 2000 February |

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| 14 | National Convention of Marine Engineers | Institution of Engineers, Kochi | 2001 |
| | Workshop on “Sustainable Keralam” | RUDAT, CUSAT | October 2001 |
| 15 | RACE-2008, Recent Developments in Civil Engineering | Dept. of Civil Engineering, School Of Engineering, CUSAT, Kochi | November 2008 |
| 16 | Recycling in India-National Seminar on Ship Recycling | | July16-17, 2008 |
| 17 | Lecture on Merchant Ship Organisation for Kerla Police Officers | INS Dhronacharya, Indian Navy, Fort Kochi | June 2010 |
| 18 | MASTECH-2011, International Maritime Technical Conference | Middle East Alumni of Ship Technology, Expo-Centre, Sharjah, UAE,2011 | December 2011 |
| 19 | 17 th National Convention on of Mechanical Engineers & Emerging Technologies in Product Development for Safe and Sustainable Mobility | Institution of Engineers, Ciombatore&PSG College of Technology, Coimbatore | September 2012 |
| 20 | Invited Talk on Stability of Ships and Boats | Department of Atomic Energy, Indian Rare Earth, Chavara, Kollam, Kerla | 02/01/2012 |
| 21 | Invited Talk on Stability of Ships and Boats | Department of Atomic Energy, Indian Rare Earth, Chavara, Kollam, Kerla | 02/01/2012 |
| 22 | Faculty Development Programme on Trends and advancements in Aerospace Engineering. | AICTE & Sreechitra Thirunal College of Engineering, Thiruvananthapuram | October 2013 |
| 23 | Short Term Training Programme in Advancements in Concrete Technology and Special Concretes | Division of Civil Engineering, Cochin University of Sci.&Tech. | November 2013 |
| 24 | Short Term Training Programme in Safety in Construction and Material Handling | Division of Safety and Fire Engineering Cochin University of Sci.& Tech. | February 2014 |

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| 25 | International Conference on Marine Technology, MAST-Kochi-14 | Department of Ship Technology, Cochin University of Science and Tech and Middle East Alumni of Ship Technology, Sharjha, UAE | August 2014 |
| 26 | Chaired a Technical Session in International Conference on Emerging Trends in Engineering and Management | Sree Narayana Gurukulam College of Engineering Ernakulam Dist. | Dec 2014 |
| 27 | Industry-Institution Interaction, Invited Lecture at Naval Physical and Oceanographic Laboratory (NPOL) | NPOL Industry Meet (NIM-15) | Jan 2015 |
| 28 | Presented a technical paper in MASTECH- 15, 17 th Aug 2105, Cochin University of Science and Technology, Kochi | International Conference on Marine Technology, Organised jointly by Dept. of Ship Technology and Middle East Alumni of Ship Technology, UAE | Aug 2015 |
| 29 | Participated in Global Marine Technology Meet, Llyods Register of Shipping, Mumbai | Participant | Sept 2015 |
| 30 | Member, Panel Discussion | Wing in Ground (WIG) Craft organized By Cochin Shipyard Ltd., Kochi | October 2015 |
| 31 | Panel Member, Panel Discussion Session, | Chinmaya | Feb 2016 |
| | National Seminar on Make In India, Challenges and opportunities with Special Reference to Kerala | Chinmaya Vidyapeeth, Ernakulam | |
| 32 | Invited Talk on Ship Technology Scope and Opportunities | University Employment Information and Guidance Bureau, Cochin Uni. of S&T | June 2016 |
| 33 | National conference on Higher Education Perspective | Deen Dayal Upadhyaya College, University of Delhi | 29-30 July, 2017 |
| | Inland Waterway System in India - Perspectives and Problems | Department of Ship Technology | 04 March 2017 |
| 34 | Shastrayan-18, Open House Programme at Cochin University of Science and Technology | Cochin University of Science and Technology | 27-28, February 2018 |

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| 35 | DoSTAS International Maritime Seminar-2018, (DIMS -18), | International Maritime Technology Seminar Conducted by Department of Ship Technology Alumni Society (DoSTAS), Cochin University of Science and Technology | 03-04 August 2018 |
| 36 | Modern India with Ancient Tradition | Jointly organized by Mahathma Gandhi Kashi Vidyapeeth, Varanasi and Akhil Bharatheeya Rashtreeya Shaikshik Mahasangh, New Delhi | 27-28 July 2019 |
| 37 | Role of Smart Technologies in Maritime Industries | AMET Deemed to be University, Chennai | 19 December 2020 |
| 38 | Online Orientation Programme for Mentors | All India Council for Technical Education and National Institute for Technical Teachers Training and Research | 4-8 January 2021 |
| 39 | 2nd International Conference on Decommissioning of Offshore and Subsea Structures, DECOM-2020 | ASRANet Ltd, Glasgow, UK | 21-22 October 2021 |
| 40 | 2 Week AICTE Sponsored Faculty Development programme on Machine Learning and Deep Learning-A Hand -on Approach | Department of Ship Technology, Cochin University of S&T | 11-25 February 2021 |
| 41 | National Conference on Strategizing NEP 2020 Implementation | Central University of Kerala, Kasargode, kerala | 3-4- April 2022 |
| 42 | National Education Policy -2020: A Roadmap to Revamp The indian higher Education System | Padmavathi Mahila Maha Vidyalaya, Thiruppathi, Andhra Pradesh | 22-23 March 2022 |
| 43 | Orientation and learning Summit for Independent Directors of Central CPSUS, GoI | Indian Institute of Corporate Affairs, New Delhi | 11-16- July 2022 |
| 44 | All India Technical Heckathon for Students students from AICTE Recognised Engineering Colleges | INCOIS, Ministry of Earth Sciences Institute, Hyderabad | 6-7 August 2022 |
| 45 | INMARCO- Director General of Shipping, Inidia Conclave on Green Shipping and Green Ports | Director General Shipping, Ministry of Shipping, Ports and Inland Waterways, Government of India | 11-12- December 2022 |

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| 46 | Industry 4. Challenges Ahead, Conference on Automation in Industries | Ministry of Heavy Industries, Government of India, Kevdia Statue of Independence, Gujrat | 10 July 2022 |
| 47 | Synergyzing Higher Education in the Context of NEP-2020: Strategies for Implementation | Akhil Bharatheeya Rashtreeya Shaikshik Mahasangh, New Delhi and Osmania University, Hyderabad | 22-23 December 2023 |
| 48 | UKIERI - TELDP a Leadership & Management Training Workshop (L&M) | All India council for Technical Education, New Delhi | 23 November 2022 – 23 - March 2023 (Three Phases) |