

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY DATABASE

INFORMATION DATA SHEET FOR FACULTY MEMBERS

Name:	K.Sivaprasad
Department :	Department of Ship Technology
Contact Details	
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Intercom	
1. Academic Background	
Qualifications:	
Qualifying Post Graduate Degree:	M Sc Ship Production, University of Strathclyde, Glasgow, United Kingdom
Ph. D with NET	
Ph. D without NET	PhD (Development of Best Practices in Ship Recycling Processes)
Post Graduate Degree(s)	M Sc (Ship Production)
Under Graduate Degree(s):	B Tech (Naval Architecture &Shipbuilding)
Any other PG degree/ Diploma relevant to the subject:	

2. Research Performance						
2.1	Each published /accepted paper in Journal/conferences					
SI. No	Authors (As published in the paper)	Title	Journal	Year	Volume	Page No
1.	K. Sivaprasad	Quality Function Deployment in Ship Building, MSc Thesis, University of Strathclyde, Glassgow, UK ,	M Sc Thesis, University of Strathclyde, Glasgow, United Kingdom	1993	.	
	K.Sivaprasad, Abdul Gaffur V	Design and development of Special Container Barge for Cochin Export Processing Zone (CEPZ),	Marine Symposium-96- International Symposium on Marine Engineering, Institution of Marine Engineers- India, Chennai, November.	1996		
	SivaprasadK ,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		
	K.Sivaprasad	Roles and Responsibilities of Elements of TQM in Technical Education; A Systems Approach.	National seminar on TQM in Technical Education, T K Institute of Engineering and Technology , Warana Nagar, Kolhapur,27-28 February 1997.	1997		
	K.Sivaprasad,	Concept Design Of A	National Seminar On	1997		

	DileepKrishnan K,	Solar Powered Slow Speed Cruiser,	Application Of Solar Energy Related Developments, Central Power Research Institute, Thiruvananthapuram,20-21 November 1997.			
	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		
	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		
	K.Sivaprasad, Mathiazhagan A	Cathodic Protection of Ships Hull.	Shipstechnic, Journal of Society of Naval Architecture Students, Department of ship technology , CUSAT, Kochi, February	1998		
	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,	1998		

			September 1998			
Sivaprasad K, VimalVinayan	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			
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			
K. Sivaprasad, Suresh Manu K. Harish G.S	Dredger cum Weed Remover, a Feasibility Study.	Shipstecnic., Journal of Society of Naval Architecture Students, Department of Ship Technology., CUSAT, Kochi pp-113-120, June	2001			
K. Sivaprasad	Ship Recycling in India-on Overview,	Journal of ship Technology, Institution of Naval Architects New Delhi	2005			
K.Sivaprasad, Dileep Krishnan K, C G Nandakumar	Sustainable Development Index.	International Conference on Ship Dismantling 15-16 September, ASRANET, Glasgow University, Glasgow	2008			
Vikas Shenoi V, K Sivaprasad, C G Nandakumar	Recycling of Demolished Products of Recycling Building., 2008	RACE-2008, National Symposium on Recent Advances in Civil Engg. School of Civil Engg, School of Engg., CUSAT, December	2008			
K.Sivaprasad,	Solar Solutions for	National seminar on Lakes	2008			

	DileepKrishnan K	Echo-tourism in Lakes, Lake-08.	and Ecosystems, IIScBanglore, 22-24 December			
	K Sivaprasad, Ujjwal Kumar Vidyarthi, Suby Chandy V	Design for Ship Repair and Survey.	Shiptechnic, Journal of Society of Naval Architecture Students, Department of Ship technology, CUSAT, Kochi, pp-, June	2009		
	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		
	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		
	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		
	K.Sivaprasad	Development of Hydrel Tourism in Kerala	Indian Maritime University Kochi Centre Souvenir, Kochi,18th Sept	2011		
	K.Sivaprasad	Ship City	Proceedings of National	2011		

			Seminar on Marine Engineering- Cochin Marine Seminar, Institute of Marine Engineers (IMarE) Kochi, 18-19 November			
	Sivaprasad K	Role of Alumni Associations in the Holistic Development of Engineering Institutions	AICERA 2012, Amaljyothi Engineering College, Kanjirappally, Kerala, India, July	2011		
	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		
	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		
	Sivaprasad.K, C.G.Nandakumar	Expert System for Ship Recycling	International Journal of Maritime Engineering, Vol154, Part A4, pp A169-A177,Oct-Dec	2012		
	Sivaprasad K., Jayaram S and Nandakumar C.G	Recycling Of Decommissioned Naval Fleet	International Conference cum Exhibition on Technology of the Sea,	2012		

			Visakhapatnam, 6th-8th December			
	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		
	Sivaprasad K, C G Nandakumar, Dileep Krishnan K	<i>Eco-Aqua</i> : Solar Powered Slow Speed Houseboat for Kerala Backwaters	Proceedings of NATCON, National Technological Congress, Rajiv Gandhi Institute of Technology, Kottayam, 1-2 March	2013		
	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		
	K. Sivaprasad, Nandakumar C G	Design for Ship Recycling	Ships and Offshore Structures, Volume 8, Number 2, 1, pp. 214-223, April	2013		
	K Sivaprasad, Ajay Asok, Vipin Vijayan	Workshop and Laboratory Practices in Naval Architecture and Shipbuilding Academic Curriculum: Teaching Enhancement Using In-House Models and Shipyard Internship Programmes	International Conference on the Education and Professional Development of Engineers in the Maritime Industry, RINA, London	2014		
	K Sivaprasad, Dr. Ajay Asok	Case Study on DESCON- Institute Consultancy Cell: An	International Conference on the Education and Professional Development of	2015		

	Kumar	Efficient Link for Industry –Institute Collaboration	Engineers in the Maritime Industry, RINA, London			
	S. Jayaram, K.Sivaprasad, C.G.Nandakumar,	Guidance Plan for Ship Recycling based on Disassembly Concept	ICSOT India: Coastal & Inland Shipping, Kharagpur, India	2015		
	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, Kharagpur, India	2015		

2.2	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.			
3.			

2.3	Patents / Technology transfer/Product/Process:		
2.3.1	Each patent awarded		
SI No.	Title	Sanction Number	Year
1.			
2.			
3.			

2.3.2	Each Technology transfer through Central / State / University / Quasi Government agencies.		
SI No.	Name of Technology transfer	Agency	Year
1.			
2.			

2.4	Externally Funded Research / Consultancy Projects through University / Institution (Both completed and Ongoing Projects):				
Project Cost in Lakhs	SI No.	Title	Funding Agency	Amount & Duration INR	Principal investigator/ Co-investigator
	1.	Set up of Advanced Documentation and Information Centre	AICTE, New Delhi under MODROBS	5 lakhs, 1998-2001	
	2.	Recommended Practices for Ship Recycling Processes	ClassNK, Mumbai	25 Lakhs 2008-2013	C G Nandakumar, Jayaram S
	3.	Feasibility Study for Solar Powered Ferry for	State Water Transport Dept.,	On-going	Dr. Dileep Krishnan K

		State Water Transport Dept. , Govt. of Kerala	Govt. of Kerala		
	4	Design of River Sea Vessel for Inland Waterways Authority of India	Cochin Shipyard Limited	On Going	Dr. Dileep Krishnan K
	5.	Concept Design, Inspection and Survey of Inland Ammonia Barge	Fertilizers and Chemicals TranvancoreLtd.(FACT)	On Going	Dr. Dileep Krishnan K
	6	Technical Specifications and Estimation of Inspection Boat for Forest Dept.	Forest Department, Parambikkulam Range	5000	
	7	Inspection of Construction of Steel Passenger Boats for Kerala Government	Steel Industrails Kerala Limited, Kannur	1,87,000	Dr. Sudhir C B
	8	Design of Steel Passenger Boat for Kerala Government	Steel Industrails Kerala Limited, Kannur	65,000	
	9	Design Scrutiny and Stability Tests for Inland Vessels under Kerala Inland Vessels Rule-2010	Various Boat Owners including governments of Kerala and India, Public Sector companies, Private Boat Owners etc...	9,20,000	
	10	Design and Construction	Department of	1,00,000	Dr. Dileep Krishnan

		Survey of Small Waterplane Area Buoy (SWAB)	Information Technology and NPOL, Govt. of India)		
	11	Worked as Owner's Consultant for Construction of 42 Pax. FRP Tourist Vessel at Samudra Shipyard, Aroor, Alappuzha District. Samudra Shipyard, Aroor, Alappuzha District.	Dept. of Tourism, Govt. of Kerala		
	12	Naval Architect Consultant, Naval Physical and Oceanographic Laboratory, DRDO, Kochi	Structural Modification of Sagar Dhvani, Oceanographic Research and Survey Vessel, Indian Navy		
	13	Conducted Inclining experiment for Assessing Stability of Amphibious Attack Tank, Namika and Prepared Stability Booklet.	Combat Vehicle Research Development Agency, DRDO, Avadi		
	14		Naval Architecture		2016

			Consultancy on Supply , Purchase and Commissioning of Boats fpr Various Dams under KSEB Ltd.		
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2.5	Research Guidance :				
2.5 (a)	Ph D – Degree Awarded NIL				
SI No.	Title	Name of co-guides (if any)	Name of student	University	Year
1.					
2.					
3.					

2.5 (b)	Ph D – Thesis submitted NIL				
SI No.	Title	Name of co-guides (if any)	Name of student	University	Year
1.					
2.					
3.					

2.6	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 . Winner	Winner Overseas Development Shared Scholarship Schemes (ODASS) for post graduate studies in Britain , 1992

2.7	Organiser / Convenor of International / National Conferences / Symposia / Seminars:			
	SI No.	Title and year	Chief organiser/ Convener	Co-organiser/ co-convener
International Level	1	MASTECH-2014, International Seminar on Marine Technology, DoST, Kochi-22, August-2014	Convenor	
	2	SMART-2000, International Seminar on Marine Technology, DoST, Kochi-22		Co- Organiser
	3	MASTECH-2015, International Seminar on Marine Technology, DoST, Kochi-22, August-2015		
National Level	1	National Workshop on Marine Corrosion, DoST , March-2012		Co- Convenor
	2			

3	Assessment of Domain Knowledge
3.1	<p>Experience</p> <p>Additional Teaching / Industrial Experience after obtaining minimum eligibility criteria for the particular post (Only Full-time teaching assignments and/ Industrial Experience not below the rank of Lecturer in UGC/AICTE approved institutions/ Assistant Manager / Officer in a public / multi-national Company, after obtaining the minimum educational qualifications for this post)</p>

	SI No.	Institution	Post held	Period (from ... to..)	No. of years
University PG Level	1.				
	2.				
University UG/College level	1.				
	2.				
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

3.2	<i>Additional Research Experience after Ph. D</i>				
	Institution	Post Held	Period	No. of years	
Post-Doctoral Research					
Design of Experiments for P. G. Level laboratory course					
Maintenance and operations of sophisticated equipments					
(In the case of Teachers who are also doing research work, their teaching experience alone will be counted – credit for both teaching and research will not be awarded concurrently)					

3.3	<i>Academic / Administrative Experience (give particulars):</i>

3.03 (a)	<i>Administrative experience:</i>		
Sl No	Post Held	Period	No. of years
1	Head of the Department	2013-2016	3
2	Faculty Placement Advisor	1997-2015	18
3	Faculty Internship Advisor	2006-2015	9
4	NAAC Coordinator	2016-	1
5	Warden, University Hostels	1997-1998, 2002-2006	8

3.03 (b)	Academic experience (Member, Board of studies, Academic council / Faculty etc.)		
Sl No	Positions held	Period	No. of years
	Worked as Head of the Department ,DoST, Cochin University of Science and Technology	2013-2016	3
	Project work Guidance, Guidance of B Tech Final year students <i>Individual Ship Design Project</i>	1994-2016	22
	Project work coordination, Designing, planning and scheduling of final year project work of B Tech students	1994-1997 2005-2008	6
	Staff Advisor, B Tech Student's Professional Association, Society of Naval Architecture Students (SNAS,est.1979)	1996-2001 2003-2008,2015-2016	11
	Coordinator-Placement Cell, Campus Placements of B Tech students	1995- 2005,2011,2012, 2013 & 2014	14

	Training Coordinator, Training of B Tech Students	2001-2007,2015	7
	Coordinator of the B Tech Curriculum Development	1996-2000	4
	Member,Department Infrastructure Development Committee.	1994-2008	4
	Faculty in Charge, Computer Room	1994-1997	3
	Faculty in charge, Ship and Boat Model Making	1994-2000	6
	Secretary, Department Council	1994-1999	5
	1. University Student Welfare - Welfare of Hostel inmates 2. Member, Selection Committee University Cricket Team	1997-1998 2002-2006 1996-1998	7
	Member of Board Studies of Department of Ship Technology and Naval Studies, Under Cochin University of Science and Technology	2013-	3
	Member of Faculty of Technology of Cochin University of Science and Technology	2013-	3
	Member of Academic Council Cochin University of Science and Technology	2013-2016	3
	Member, Student's Scholarship/ Award Selection Committee	1994-2016	22
	Member of Panel of Experts for Implementation of Kerala Inland Vessels Act-2010 under Department of Ports, Government of Kerala.	2010-	5
	Expert Committee Member Curriculum Design ,Mahathma Gandhi University, Kottayam, Kerala	2012	1
	Expert Committee Member Curriculum Committee Member , Govt. of Kerala Technical Education Dept.	2014	1
	Member IQAC, Cochin University of Science and Technology	2010-13	3
	Faculty Coordinator - ClassNK Best Project Award (for B Tech. NA&SB) constituted by ClassNK, World's Biggest Ship Classification Society, Tokyo, Japan	2006-2015	10
	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
	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
	Member, Executive Council, Indian Maritime University, Chennai(Nominated by the Visitor, Honourable. President of India)	2016-	1
	Member, the Court Indian Maritime University, Chennai(Nominated by the Visitor, Honourable. President of India)	2016-	1
	Member, Panel of Experts, Defense Research and development Organisation (DRDO),Ministry of Defense, Government of India, New Delhi	2016-	1
3.04	Participation in Training Programs/Workshop/Summer Winter-Schools, (organized by Govt. agencies/ UGC/AICTE, ICTP or similar International Organisations) :		
	Duration of Course	Title	Agency
		Industry-Institute Partnership	ISTE
		Workshop on “Sustainable Keralam”	RUDAT,CUSAT
		Recent Trends In Analysis And Design of Ships and Offshore Structures	DoST, CUSAT
		Marine Symposium 96 International Symposium On Marine Engineering	Institution of Marine Engineers, Chennai
		National seminar on History of Indian Sciences.	Swadeshi Science Movement- Kerala and CUSAT.
		National Seminar on Condition Monitoring.	Central Electro Chemical Research Institute, Trichy and CSIR, Kochi
			August 1998
			September 1998

	Recycling in India-National Seminar on ship recycling	MMT, New Delhi	July 16-17, 2008
	International Symposium On Ship And Marine Technology SMART 2000- International Conference on Ship and Marine Tech. National Convention of Marine Engineers	Department of Ship Technology, CUSAT Institution of Engineers, Kochi	December 2000 February 2001
	Japanese Management Technologies	Organised by AICTE/ISTE at Kota	2 weeks, June 1996
	Recent Trends in Analysis and Design of Offshore structure SERC(DST) Winter School on Reliability, Availability Maintainability Workshop on Student Counseling	Organised by AICTE/ISTE at REC Calicut Department of Science and Technology, IIT Kanpur ISTE, IIT Madras	2 weeks, May 1997 <i>Continued..</i> November 1997 November 1997
	Supply Chain Management Corrosion Engineering	Organised by AICTE, IIT Bombay. Organised by AICTE, IIT Bombay	May 1999 May 1999

	Regional Training Course in Simulation	UNSECO and IIT Madras	November 1999.
	RACE 2008, Recent Developments in Civil Engineering	Dept. of Civil Engineering, School of Engineering, CUSAT	November 2008
	Lecture on Merchant Ship Organisation for Kerla Poilce Officers	INS Dhronacharya, Indian Navy, Fort Kochi	June 2010
	MASTECH-2011, International Maritime Technical Conference	Middle East Alumni of Ship Technology, Expo Centre, Sharjah, UAE, 2011	December 2011
	17 th National Convention on Mechanical Engineers & Emerging Technologies in Product Development for Safe and Sustainable Mobility	Institution of Engineers, Ciombatore & P S G College of Technology	September 2012
	Faculty Development Programme on Trends and advancements in Aerospace Engineering.	AICTE & Sreechitra Thirunal College of Engineering, Thiruvananthapuram	October 2013
	Short Term Training Programme in Advancement in Concrete Technology and Special Concretes	Division of Civil Engineering, Cochin University of Sci. & Tech.	November 2013
	Short Term Training Programme in Safety in Construction and Material Handling	Division of Safety and Fire Engineering Cochin University of	February 2014

		Sci. & Tech.	
	International Conference on Marine Technology, MAST-Kochi-14	Department of Ship Technology, Cochin University of Science and Tech. and Middle East Alumni of Ship Technolgy.,Sharjha, UAE	August 2014
	Chaired a Technical Session in International Conference on Emerging Trends in Engineering and Management	Sree Narayana Gurukulam College of Engineering Ernakulam Dist.	Dec 2014
	Industry Institution Interaction , Invited Lecture at Naval Physical and Oceanographic Laboratory (NPOL)	NPOL Industry Meet (NIM-15)	Jan 2015
	Presented a technical paper inMASTECH-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 Technolgy,UAE	Aug 2015
	Participated in Global Marine Technology Meet, Llyods Register of Shipping, Mumbai	Participant	Sept 2015
	Member, Panel Discussion	Wing in Ground (WIG) Craft organized by Cochin Shipyard Ltd., Kochi	October 2015
	Panel Member, Panel Discussion Session,	Chinmaya	Feb 2016

	National Seminar on Make In India , Challenges and opportunities with Special reference to Kerala	Vidyapeeth, Ernakulam	
	Invited Talk on Ship technology Scope and Opportunities	University Employment Information and Guidance Bureau, Cochin Uni. of S&T	June 2016