

PERSONAL INFO

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY FACULTY DATABASE

INFORMATION DATA SHEET FOR FACULTY MEMBERS



Name:	Prof. Dr. K. S. Beena
Department:	Civil Engineering, School of Engineering
Contact Details	Professor of Civil Engineering, School of Engineering, Cochin University of Science and Technology, Kochi, 682 022
Address for communication	
Email	<u>beenavg@gmail.com</u>; <u>beenavg@cusat.ac.in</u>
Phone	+91 9447329888
Intercom	Nil
1. Academic Background	
Qualifications:	Ph. D
Qualifying Post Graduate Degree:	M. Tech
Ph. D with NET	
Ph. D without NET	
Post Graduate Degree(s)	
Under Graduate Degree(s):	B. Sc (Engg)
Any other PG degree/ Diploma relevant to the subject:	

PROFESSIONAL EXPERIENCE

	Assessment of Domain Knowledge				
	Experience 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)				
	SI No.	Institution	Post held	Period (from ... to..)	No. of years
University PG Level	1.	Kerala Agricultural University	Assistant Professor	Nov. 1988 to June 1993	
University UG/College level	2.	Kerala Agricultural University	Assistant Professor	Nov. 1988 to June 1993	
Industrial Experience	3.	Kerala State Irrigation Department	Assistant Director	June 1993 to Jan 1999	

	Additional Research Experience after Ph. D			
	Institution	Post Held	Period	No. of years
Post-Doctoral Research	University of Wollongong	Visiting Fellow	From 5-5-15 to 4-11-15	6 months
Design of Experiments for P. G. Level laboratory course				
Maintenance and operations of sophisticated equipment	University of Wollongong	Visiting Fellow	From 5-5-15	6 months
(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)				

	<i>Academic / Administrative Experience (give particulars):</i>		
	<i>Administrative experience:</i>		
Sl No	Post Held	Period	No. of years
1	Member of Editorial/Scrutiny panel for Annual report of the University		
2	Member of Diary Committee		
3	Member of Gender Justice committee		
4	Member (Expert) of Inspection committee for Institute recognition		
5	Chairperson for various Board of Examinations in the University		
6	Former Head of Division		
7	AICTE EVC Member		

Faculty serving in committees

Name	Year	Type of institution/ R&D industry	Position /Role
Dr.Beena K. S.	2016	National Coir Research and Management Institute, Govt. of Kerala, India	Governing Body Member
Dr.Beena K. S.	2018	NITTTR	Member of Advisory committee
Dr.Beena K. S.	2019	CUSAT	Dean, Faculty of Engineering
Dr.Beena K. S.	2019	CUSAT	Syndicate member
Dr.Beena K. S.	2020	Saintgits College of Engineering	Member of Board of Studies of Post Graduate programmes
Dr.Beena K. S.	2020	Saintgits College of Engineering	Member of Board of Studies of Under graduate programmes
Dr.Beena K. S.	2020	Central Coir Research Institute and Indian Institute of Technology, Madras	Member of Coir Geotextile Consultancy Bureau
Dr.Beena K. S.	2020	Kyushu University, Japan	Member of International Advisory Committee

			of CREST, 2020
Duties attended/ Undertaken			
Name of program	Date	Type of institution/	
Conducting the interview for the post of Senior Engineer (Civil), External Engg. Consultant (Electrical), JE(Civil), Apprentice trainee diploma (civil and electrical)	13.08.2014	SUPPLYCO Head Office, Gandhi Nagar, Ernakulam	
External Examiner for MTech.	27.06.2017	IES College of Engineering	
Chairman of Doctoral Committee meeting for conducting comprehensive evaluation	19.12.2018	Model Engineering College	
Observer for the 2 nd Semester M.Sc. Degree Examination	28, June, 2019	Indian Institute of Information Technology and Management, Kerala	
Guest of honour for three-day FDP on Design of Sustainable Infrastructure	3.7.2019	Thejus Engineering College.	
Research Committee meeting	9.10.20	Model Engineering College	
Research Committee meeting	11.11.2019	Model Engineering College	
Observer of centralized valuation camp for 1 st semester M.Sc and M.Phil Degree Examinations and 3 rd Semester M.Sc. Degree Examination	During the years 2017,2018,2019 2020	Indian Institute of Information Technology and Management, Kerala	

	Academic experience (Member, Board of studies, Academic council / Faculty etc.)	
Sl No	Positions held	
1	Member of P G Board of studies in CUSAT	
2	Member of Academic committee for Post Graduate courses	
3.	Chairperson for various Board of Examinations in the University	
4.	External Evaluator for M. Tech and Ph. D thesis	
5.	Reviewer for various journal papers and conference papers	
6.	Resource person for Short term training programmes conducted by institutes like Govt. engineering colleges, NIT Calicut	

PUBLICATIONS

JOURNALS

Title	Co-Authors	Month	Year	Journal Name	Volume	Issue	Pages
Numerical Modelling of Rayleigh Wave in Homogeneous Soil Medium in Undamped Condition	MN Sandeep	5	2021	Indian Geotechnical Journal			1 to 15
Analysis of Liquefaction Potential of Coastal Sands Using Laminar Box System	Veena Jayakrishnan, Anupa Alex, CS Bindu	2	2021	Indian Geotechnical Journal			1209 to 1224
Transport geotechnical properties of lateritic soil stabilized with Jarofix and lime	G Santhosh	2	2021	Environment, Development and Sustainability			1601 to 1622
Effect of Hammer Impact on Wave Propagation Characteristics of Soil: A Laboratory Study	Veena Jayakrishnan, Unni Kartha, JS Vinod	7	2019	International Journal of Geotechnical Earthquake Engineering (IJGEE)	10	2	50 to 68
Study on Strength Improvement of red earth using biopolymer and other additives	SivaniRemash T	6	2019	International Journal of Scientific and Engineering Research	10	5	
Soil Stabilization using Coir Fibre and Pozzolanic Materials	Vimala C. A., Veena Jayakrishnan	5	2019	International Journal of Research and Analytical Reviews	6		196 to 203
A semi-empirical dilatancy model for ballast fouled with plastic fines	I.Buddhima, S.V.Jayan	11	2018	Geomechanics and Geoengineering An International Journal			
Development of 1-D Shake Table Testing Facility for	Kartha G Unni, C Mahesh	9	2018	Journal of The Institution of Engineers (India): Series A	99	3	423 to 432

Liquefaction Studies							
Replacement of Fine Aggregate with Jarofix in Concrete	G Santhosh	5	2018	International Journal of Civil Engineering and Technology (IJCIET)	9	5	408 to 419
Influence of Soil-structure Interaction in the Structural Behaviour of a Birthing Structure in Sloping Ground	PE Kavitha, KP Narayanan	12	2017	Journal of Institution of Engineers (India) Series A	98	4	469 to 476
Model Studies on Laterally Loaded Piles in Sloping Clay Bed	P.E Kavitha, K. P Narayanan	7	2017	Indian Geotechnical Journal			
A review on soil-structure interaction analysis of laterally loaded piles	P.E Kavitha, K. P Narayanan	12	2016	Innovative Infrastructure Solutions	1	1	14
Numerical Investigations on the Influence of Soil Structure Interaction in the Dynamic Response of SDOF System	P.E Kavitha, K. P Narayanan	1	2016	Procedia Technology	25		178 to 185
Influence of natural fibres on the compressive strength of stone matrix asphalt mixtures	CS Bindu	6	2015	International Journal of Scientific Engineering and Applied Science	1	6	445 to 449
Analytical study on soil-pile interaction effect in the variation of natural frequency of a single pile	P.E Kavitha, K. P Narayanan	9	2014	International Journal of Civil Engineering and Technology	5	12	226 to 229
Influence Of Additives On The Drain Down Characteristics Of Stone Matrix Asphalt Mixtures	CS Bindu	7	2014	International Journal of Research in Engineering and Technology	3	7	6
Comparison of shear strength characteristics of stone matrix	CS Bindu	6	2013	International Journal of Strucural and Civil Engineering Research	2	4	13 to 21

asphalt mixture with waste plastics and polypropylene							
Effectiveness of Coir Geotextiles in Soil moisture conservation	Anil K. R.	6, 7	2011	International Journal of Engineering and Technology	3	3	200 to 207
Coir fibre as a stabilizing additive in stone mastic asphalt	CS Bindu	5	2011	International Journal for Earth Sciences and Engineering	4	1	165 to 177
Geometric Parametric Studies on Reinforced soil gabion walls	P. K. Jayasree	2	2011	Ground Improvement, ICE, UK	164	G11	21 to 32
Design Aids for Gabion Faced Reinforced Soil Retaining Walls	P. K. Jayasree	7	2010	International Journal for Geotechnics and Environment	2	2	
Use of Waste Plastic in Road Construction	CS Bindu	5	2010	Technology World	5	1	
Waste plastic as a stabilizing additive in Stone Mastic Asphalt	CS Bindu	3	2010	International Journal of Engineering and Technology	2	6	379 to 387
Use of Rock waste filling in Gabion Retaining Wall	P. K Jayasree	8	2009	International Journal for Geotechnics and Environment	1	1	1 to 17
Geometric Parametric Studies On Reinforced Soil Gabion Walls	P. K Jayasree	4	2009	Ground Improvement, ICE, U.K			
Testing Coir geotextile drains for soft ground improvement	Babu K. K	2	2008	Ground Improvement, ICE, U.K	161	G11	
Design charts for the environment friendly Gabion Retaining Walls	Jayasree P. K	6	2005	Geotechnics In Environmental Protection GEN-2005			
Settlement of Reinforced Sand in Foundations	Nainan P Kurian, R Krishna Kumar	9	1997	Journal of geotechnical and geoenvironmental engineering	123	9	818 to 827
A Nonlinear Winkler Model for Soil- Structure Interaction Analysis	Kurian N.P, Jeevan R. S.	5	1995	Foundation Engineer	1	1	19 to 24
Estimation of CBR of coir geotextile reinforced	KK Babu, AK Raji	8	2011	Highway Research Journal	4	2	41 to 47

subgrade							
Utilization of coir fibre in bituminous concrete mixes	CS Bindu	10	2009	Indian Coconut Journal	52	8	18 to 22
Load-Deformation Behaviour of Coir Geotextile Reinforced Unpaved Roads	KK Babu, AK Raji	7	2008	Indian Highways	36	7	33 to 39
Design of coir geotextile reinforced roads using IRC Methods	KK Babu, AK Raji	4	2008	Highway Research Journal, Special Issue	113		

CONFERENCES

Title	Co-Authors	Month	Year	Conference Name
Monitoring of Landslide in Heavy Rainfall Area using Low-Cost Microcontrollers,	Varun Menon O., Ruma P J,	12	2020	Proceedings of Indian Geotechnical Conference 2020, Developments in Geotechnical Engineering for Sustainable Tomorrow (DIGEST), 2020,
Coir geotextile as a separator for unpaved and earthen roads	Babu K. K., Viswanathan M., Veena Jayakrishnan,	9	2020	Proceedings of International GREEN HIGHWAY CONSTRUCTION – A Sustainable Approach
Studies on the Effect of Fines Content on Liquefaction Resistance using Shake Table Tests	Veena Jayakrishnan, UnniKantha G., Shafnas P. S.,	12	2019	Indian Geotechnical Conference 2019 (GeoIndus)
A case study on failure of railway track formation in Kerala	Shyam Krishnan, Veena Jayakrishnan	4	2019	Proceedings of the International Conference on Energy, Environment, Materials and Safety (ICEEMS'19)
Utilization of Waste Paper Sludge in Road Embankment Construction	Neva Elias, Lakshmi Nair	7	2019	International Conference on Geotechnics for High Speed Corridors [GHC2019]
Improvement of railway ballast using coir mat waste	A. J. Viji, C. S. Bindu	12	2018	Indian Geotechnical Conference (IGC2018)
Experimental Study to Determine the Elastic Wave Velocities of Marine Clay	K Anagha, MN Sandeep		2018	International Conference, Civil Engineering Advancements for Sustainable Infrastructure Development and Environment
Variation of CBR values of Laterite Soil Mixed with Jarofix and Lime	G Santhosh	4	2018	International Symposium on Geotechnics for Transportation Infrastructure
Jarofix as partial replacement of fine aggregate in concrete	G Santhosh		2017	Advance in Technology, Engineering and Computing- A Multinational Colloquium
Comparison of Structural Behaviour of Laterally Loaded	PE Kavitha, KP Narayanan		2017	IOP Conference Series: Materials Science and Engineering 225 (1),

Pile using Pi Terms and Numerical Simulation				012124
Use of Geosynthetics for mitigation and environmental protection		1	2015	Theme Lecture, The 6th International Geotechnical symposium on Disaster Mitigation in Special Geoenvironmental conditions, IIT Madras
Stone columns for liquefaction mitigation: An experimental investigation	Unni G .Kartha	1	2015	The 6th International Geotechnical symposium on Disaster Mitigation in Special Geoenvironmental conditions, IIT Madras
Study on Grain size analysis of soil treated with synthetic leachate	Meril George	1	2015	The 6th International Geotechnical symposium on Disaster Mitigation in Special Geoenvironmental conditions, IIT Madras
Geoenvironmental characteristics of Jarofix mixed soil	Anu Raj, Santhosh G, Santhosh K.N.	12	2014	International Conference on Energy, Environment, Materials and Safety.
Study on the treatment and reuse of agricultural Waste fibres	Meril George	12	2014	International Conference on Energy, Environment, Materials and Safety
Case studies on application of Coir Geotextiles for soil stabilization		4, 5	2013	Seventh International Conference On Case Histories in Geotechnical Engineering, University of California, Chicago, USA
Case histories in Ground Improvement Geoenvironmental Engineering: General report on Session 6	K.R.Reddy, S. Anderson, J.Burken, J.R.Gingery, C.Kilev, A.P.Rosyidi, Y.Yano	4, 5	2013	Seventh International Conference On Case Histories in Geotechnical Engineering, University of California, Chicago, USA
Coir geotextile enclosed Stone column	UnniKartha G.		2012	International Conference on Ground Improvement and Ground Control, Australia
Strengthening of Railway embankment – a case study	Jayakumar P, Gopalarishnan Nair T. K.		2012	International Conference on Ground Improvement and Ground Control, Australia
Ground Improvement using Stone Columns		5	2010	Fifth International Conference on Geotechnical Earthquake Engineering
FEM Modelling of Natural Geotextiles	Kurian N. P	12	2004	International Conference on Geosynthetics and Geoenvironmental Engineering, Bangalore
Studies on Cost reduction of Gabion Retaining walls	Jayasree P. K.	12	2004	International Conference on Geosynthetics and Geoenvironmental Engineering, Bangalore
Analysis of stress in multiplayer soil system	Jayasree P. K.	9	2003	International E- Conference on Modern trend in Foundation Engg.
Geotechnical Consideration of Safety Aspects in Earthworks		11	1999	Intl. Seminar on Safety and Fire Engineering
Use of Bamboo and Coir for Reinforcement – An Approach			1999	Geosynthetics Asia '97, Bangalore

Bearing Capacity of Sand Reinforced with Coir Rope	Ayyar T. S. R, Joseph J. J.	12	1988	First Indian Geotextile Conference on Reinforced Soils and Geotextiles, Bombay
Load Settlement Behaviour of Ballasted Rail Track Stabilized with Geosynthetics	Ambili K., Sandeep M. N.	12	2018	Indian Geotechnical Conference (IGC2018)
Improvement of railway ballast using coir mat waste	Viji. A.J	12	2018	Indian Geotechnical Conference (IGC2018)
Shear strength characteristics of jarofix treated clayey Soil	Santhosh G.	12	2018	Indian Geotechnical Conference
Determination of Rayleigh Phase Velocity of Soil Using Rayleigh Wave Equation	MN Sandeep	12	2017	Indian Geotechnical Conference
Studies on Strength Characteristics of Soil Mixed with Jarofix	G Santhosh	12	2016	Indian Geotechnical Conference
Shake Table studies on embankments on liquefiable soil	C P Mohamed Thahir, G UnniKantha	12	2016	Indian Geotechnical Conference
Study on the geotechnical behavior of kaolinite influenced by chloride	TV Jinsha, M George	12	2015	50th INDIAN GEOTECHNICAL CONFERENCE
Application of Geotextiles in Civil Engineering		6	2014	Keynote lecture National conference on Furthering Aspirations in Civil Engineering Techniques, FACET'14, Thrissur Engineering College
Application of geosynthetics in Transportation Engineering		11	2013	Theme lecture, National Conference on Innovations and Challenges in Geotechnical Engineering
Studies on strength characteristics of soil mixed with bio-waste	Santhosh G	12	2013	Indian Geotechnical Conference
Use of locally available materials in stone column	Unni G, Kartha	12	2012	Indian Geotechnical Conference
Experimental investigation of laterally loaded piles in a sloping ground embedded in clay	Kavitha P.E., Narayanan K. P	12	2012	Indian Geotechnical Conference
Shear strength characteristics of Stone Matrix Asphalt mixture with coir fibre as additive	Bindu C. S.	11	2012	Fifth CUSAT National Conference on Recent Advances in Civil Engineering, RACE 2012
Structural significance of soil-structure interaction analysis on laterally loaded piles	Kavitha P.E., Narayanan K. P	4	2012	Proceedings of National conference on innovations in Civil Engineering
A review of soil constitutive models for soil structure interaction analysis	Kavitha P.E., Narayanan K. P		2011	Indian Geotechnical Conference
Geotechnical characteristics of leachate contaminated lateritic soil	Meril George		2011	Indian Geotechnical Conference

Contaminant transport from MSW Landfill: A case study	Meril George	12	2010	Indian Geotechnical Conference
Use of Geofoams in Geotechnical Engineering – the state of art	Sangeetha S	9	2010	CUSAT National Conference on Recent Advances in Civil Engineering, RACE 2010
Gabion Retaining wall with alternative fill material	Jayasree P. K	2	2009	Indian Geotechnical Conference
Cost Analysis of Gabion Faced Retaining Wall	Jayasree P. K	12	2008	Indian Geotechnical Conference
Revival of T-S canal in Varkala Region for Inland water Transportation	Bindu C. S.	12	2006	Second CUSAT National Conference on Recent Advances in Civil Engineering, RACE 2006
Geo-environmental studies on coir pith mixed soil with special reference to saline intrusion	Jayasree P. K. , Babu K. K.	12	2006	Indian Geotechnical Conference
Parametric studies on gabion retaining walls*	Jayasree P. K.	11	2005	National Conference on technological Trends
Design charts for the environment friendly Gabion Retaining Walls	Jayasree P. K.	4	2005	Geotechnics In Environmental Protection GEN-2005
Gabion Retaining Walls – the eco-friendly walls	Jayasree P. K.	2	2005	PRITHVI 2005 – Global Eco Meet, Swadeshi Science Congress
Study on quarry dust filled Gabion Retaining Walls	Jayasree P. K.	3	2004	First CUSAT National Conference on Recent Advances in Civil Engineering, RACE 2004
Characteristics of Concrete Reinforced with Coir fibres	Deepa Balakrishnan	3	2004	First CUSAT National Conference on Recent Advances in Civil Engineering, RACE 2005
Studies on the performance of coir geotextiles in subgrade soil		8	2003	Golden Jubilee Conference on Coir Geotextiles, Coir Board
Study on engineering properties of Coir Pith mixed soil		12	2002	Indian Geotechnical Conference
Stresses in multi-layered system under strip loading – A novel approach	Jayasree P. K.	12	2002	Indian Geotechnical Conference
Numerical analysis of reinforced layered soil systems	Nainan P. Kurien, T. S. Ramanathan	11	2001	Indian Geotechnical Conference
Computer Application in Geotechnical Engineering		11	1998	National Workshop on Computer Applications in Civil Engineering Practices
Settlement analysis of Reinforced Sand Beds		12	1992	Indian Geotechnical Conference

*Received Best Paper Award in the National Conference on Technological Trends, 2005 held at College of Engineering Trivandrum, November 25 – 26, 2005

BOOK CHAPTERS

Book Title	Title	Co-Authors	Year	ISBN
Stability of Slopes and Underground Excavations	Monitoring of Landslide in Heavy Rainfall Areas Using Low-Cost Microcontrollers	O. Varun Menon, P. J. Rooma	2022	978-981-16-5600-2
Advances in Sustainable Construction Materials: Select Proceedings of ASCM 2020	Liquefaction Studies and Its Mitigation in India—Focusing Kerala Coast—A Review	Veena Jayakrishnan	2021	978-981-15-3360-0
Soil Dynamics: Select Proceedings of 7th ICORAGEE 2020	Laboratory Investigation on Wave Characteristics Due to Hammer Impact on Different Types of Soil	M Neethu, Veena Jayakrishnan	2021	9813340002
Problematic Soils and Geoenvironmental Concerns	Variation of Swelling Characteristics of Bentonite Clay Mixed with Jarofix and Lime	G. Santhosh	2020	978-981-15-6236-5
Geotechnical Characterization and Modelling	Load-Settlement Behaviour of Ballasted Rail Track Stabilized with Geosynthetics	K Ambily, MN Sandeep	2020	978-981-15-6085-9
Green Buildings and Sustainable Engineering	Emergence of Nanomodified Fibres as Soil Reinforcement—A Review	R. Aswathy	2018	978-981-13-1201-4
Soil Dynamics and Earthquake Geotechnical Engineering	Shake Table Studies on Embankments on Liquefiable Soil	G Unni Kartha, CP Mohamed Thahir	2018	978-981-13-0561-0

Text Books / Reference Books/subject books/monograph/Chapters of Books Published			
SI No.	Title with ISBN Number	Publisher with Place of Publication	Year
1.	COIR GEOTEXTILE AND SOIL IMPROVEMENT ISBN No. 978 93-80095-05-9	Published by Directorate of Public Relations and Publication, CUSAT	2010
2.	Gabion Retaining Walls ISBN No. 978 93-80095-29-5	Published by Directorate of Public Relations and Publication, CUSAT	2011
3.	Soil Properties through	Published by Directorate of Public Relations	2012

	laboratory observations ISBN No. 978 93-80095-34-9	and Publication, CUSAT	
4	Landslides: Causes, Mitigation, Case Studies ISBN No. 978-81-941516-9-2	Published by Directorate of Public Relations and Publication, CUSAT	2021

EVENTS AND PROJECTS

Externally Funded Research / Consultancy Projects through University / Institution (Both completed and Ongoing Projects):				
Project Cost in Lakhs	SI No.	Title	Funding Agency	Principal investigator/ Co-investigator
Rs9.75 lakhs	1.	Use of Coir Geotextiles in pavement - 2003	Coir Board of India	PI
Rs. 2.2lakhs	2	Study on Rock Waste Filling in Gabion Retaining walls 2004-2006	KSCSTE	PI
13.79	3	Optimization, and Standardization of Coir Geotextile for Promotion of Coir Geotextile in National and International Markets- 2010	National Coir Management and Research Institute, Govt. of Kerala	PI
0.5	4	Liquefaction studies of sand- 2015	TEQIP Seed Money	PI
26.74	5	Liquefaction studies on sand deposits in Kerala- 2017	KSCSTE	PI
15000AUDS	6.	Behaviour of Coir Geotextiles stabilised subgrade soil with special reference to transport infrastructure development- 2018	EIS Strategic Research Partnerships Scheme, University of Wollongong, NSW, Australia	Partner Investigator
SUBMITTED INTERNATIONAL				
		Utilization of coir geotextiles in rural road construction- 2019		Linkage project – Australian Research Council
		America with Kerala		U S MISSION INDIA DIPLOMACY GRANT PROGRAM
		AICTE Training and Learning (ATAL) FDP		
		RUSA		
		TEQIP SEED MONEY		

ACADEMIC INFO

Research Guidance:					
Ph D – Degree Awarded					
SI No.	Title	Name of Joint Guides (if any)	Name of student	University	Year
1.	Utilization of Coir Geotextiles for Unpaved roads and Embankments	NA	Babu K. K	CUSAT	2007
2.	Performance of Gabion faced reinforced earth retaining walls	NA	Jayasree P. K	CUSAT	2008
3.	Influence of Additives on the characteristics of stone matrix asphalt	NA	Bindu C. S	CUSAT	2012
4	Studies on landfill leachate transportation and its impact on soil characteristics	NA	Meril George	CUSAT	2014
5	Soil Structure interaction analysis of laterally loaded piles in ship birthing structures	Prof. Dr. K.P. Narayanan, Ship Technology, CUSAT	Kavitha P. E.	CUSAT	2017
6	Evaluation of effectiveness of coir geotextiles for soil conservation	NA	Anil K. R.	CUSAT	2019
7	Liquefaction studies on sand and its mitigation using stone columns	NA	Unni Kartha G	CUSAT	2019
8	A Study on Utilization of Jarofix in Construction Applications	NA	Santhosh G.	CUSAT	2021

Ph D – Thesis submitted					
SI No.	Title	Name of co-guides (if any)	Name of student	University	Year

Details of Research Scholars under guidance:

Sl. No	Name of Research	Name of Joint Guides (if	Year of Registration	Topic of Research
--------	------------------	--------------------------	----------------------	-------------------

	scholar	any)		
1	Sandeep M. N.	NA	2014	Ground improvement and special foundations
2	Divya K. K.	NA	2015	Ground improvement methods for liquefiable soils
3	Minimol Korulla	NA	2017	Reinforced Soil Systems
4	Veena Jayakrishnan	NA	2017	Ground Motion Analysis and Ground Improvement
5	Jinsha T. V.	NA	2018	Change in properties of soil due to disposal of waste, its remediation and risk management
6	Aryadevi S.	Dr. Mythili	2019	Landslides and Slope Stability
7	Anupa Alex	Dr. George Mathew	2019	Studies on Unsaturated Soils
8	Ifrath K. Maitheen	Dr. Bindu C. S	2020	Sustainable Geocomposites for Transport Systems
9	Vivek V S	NA	2021	Ground failures and mitigation techniques

Awards / Medals / Fellowships Academic Recognitions:	
Award	Particulars
Endeavour Research Fellowship Award 2015	Constituted by Australian Government
Selected as Ambassador for Australian Scholarships for the year 2017	Appointed by Australian High Commissioner
First position in paper presentation competition in Dhishna, 2017	Aswathy R. (Co- author)
IGS- AISAT award – One among the best five MTech thesis in Geotechnical Engineering in Kerala State,2018	Student Guided- Malavika S.
IGS- AISAT award – One among the best five MTech thesis in Geotechnical Engineering in Kerala State,2018	Student Guided- Chesma B. Blayil
IGS- AISAT award – One among the best five MTech thesis in Geotechnical Engineering in Kerala State ,2019	Student Guided- Riswana Iqbal
IGC 2019- Best technical poster session award, 2019	Sandeep M. N. (Co- author)

Organizer / Convener of International / National Conferences / Symposia / Seminars:

	SI No.	Title and year	Chief organizer/ Convener	Co-organizer/ co-convener
International Level	1	International Conference on Recent Trends in Engineering and Technology at SOE, CUSAT, 3-5, Oct., 2016		Member of Organizing Committee
	2	6IGS, International Symposium at IIT Madras		Member of organizing committee
	3	SAFE '99		Member of organizing committee
National Level	1	TEQIP III sponsored 5 days online expert lecture series on Smart Geotechnical Engineering	Organizer	
	2	TEQIP III sponsored Expert Lecture on FINITE ELEMENT MODELLING delivered by Dr.Sunilkumar N., Professor, Division of Civil Engineering, CUCEK,2020	Organizer	
	3	TEQIP III sponsored 2 weeks FDP on Building Information Modelling,2019	Organizer	
	4	TEQIP III sponsored Expert Lecture on Opportunities and future challenges in geotechnical engineering as a career delivered by Er. Ashish Gharpure, Managing Director, Genstru Consultants Pvt. Ltd., 2019	Organizer	
	5	TEQIP III sponsored workshop on OpenSees, 2019	Organizer	
	6	TEQIP III sponsored workshop on Geotechnical Centrifuge Modelling,2019	Organizer	
	7	TEQIP III sponsored Expert Lecture on "Geotechnical Challenges and Research" delivered by Dr. A. Boominathan, Professor, Department of Civil	Organizer	

		Engineering, Indian Institute of Technology, Madras, 2019		
	8	Symposium on Landslides: Analysis, Mitigation and case studies,2018	Organizer	
	9	National Workshop MTGCE 2013	Convenor	
	10	One day Workshop on PLAXIS	Coordinator	
	11	IGC 2011		Member of the organizing committee and Chairperson for session committee

2.7	Resource Person/Panel Member of International / National Conferences / Symposia / Seminars:			
	SI No.	Title and year	Resource Person/ Panel Member	Chaired/ Co- chaired
International Level	1	IGC 2020		Session Chaired
	2	International Conference on Recent advances in Civil Engineering (ICRACE 2020)		Session Chaired
	3	International Conference on GHC 2019		Session Chaired
	4	AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)	Panel member	
	5	IGC 2018		Session Chaired
	6	5 th Biennial International Conference on ICETEST- 2018) at GEC, Trichur		Reviewer
	7	Expert- E talk in Christ College of Engineering, Irinjalakuda Thejus Engineering College	Resource Person	
	8	ICRACE'16 Jan 14- 16,2016		Co- chaired technical session
	9	ICICE 2014, Dept. of Civil Engg., SCMS School of Engineering and Technology, 8-9 May 2014		Session Chaired

	10	TRACE 2013, Dept. of Civil Engineering at Sree Narayana Gurukulam College of Engineering, in association with The Institution of Engineers (India), ISET and ICI, April 25-26 th , 2013.		Session Chaired
National Level	1	Delivered lectures/ sessions in Civil Department at THDC- IHET Modelling,2019	Resource Person	
	2.	Three-day FDP on Design of Sustainable Infrastructure, 3.7.2019 at Thejus Engineering College.	Resource Person	
	3	Special talk on Research: Creating new knowledge for faculty members at THDC-IHET, Tehri	Resource Person	
	4	One day Workshop for Engineering Aspirants- University Employment Information and Guidance Bureau, CUSAT	Resource Person	
	5	National Conference on Furthering Aspirations Civil Engineering Techniques, FACET'14, at Dept. of Civil Engineering, GEC Kannur,- 26-27, June 2014	Resource Person	Session Chaired
	6	National Conference NCIE'15, 20.3.2015, at Holy Grace Academy of Engineering, Mala	Speaker	Chairperson
	7.	Toc H Institute of Science and Technology, 18.02.2015	Technical talk	

International / National Conferences / Symposia / Seminars Attended:				
	SI No.	Title	Date	Role
International Level		Indo Canadian Workshop	24 Sept- 2 nd Oct, 2020	Participant
	1	Technical talk on Geosynthetics in pavements	11-12, September, 2020	Participant

	2	6 Days Global FDP on Recent Research advances in geotechnical and geological engineering	17-22, August, 2020	Participant
	3	Webinar- Future of Education post Covid	18, June, 2020	Participant
	4	1st Indo- Japan webinar series on Geotechnics for Disaster Mitigation	8/6/2020 to 13/6/2020	Participant
	5	Indo- China Research Webinar Series in Civil & Environmental Engineering	8/5/2020 to 19/5/2020	Participant
	6	Tunnel (Numerical Modelling & Analysis) Short Course	20, April- May 8, 2020	Participant
	7	Digital transformation in Teaching learning process.	6-22 April, 2020	Participant
	8	ICEEMS' 19 at CUSAT	25-27 April, 2019	Participant
	9	IGC 2018	13-15, Dec, 2018	Participant
	10	International Conference GBSE 2018 at RSET	24-25 January, 2018	Participant
	11	Annual Conference of IGS, 2016 at IIT Madras Chennai Chapter	15-17, Dec, 2016	Participant
	12	ICRACE' 16 at CUSAT	14-16, Jan 2016	Participant
	13	IGC 2016	15-17, Dec 2016	Participant
	14	IGC 2015	21-23, Jan, 2015	Participant
National Level	1	RAEEM at SOE, CUSAT	2-7 March, 2020	Participant
	2	2 weeks FDP on Building Information Modelling	2nd to 13th, December, 2019	Participant
	3	GIAN Course- Seismic Soil-Pile Interaction	5-9th August, 2019	Participant
	4	'Recent Advancement in Earthquake Geotechnical Engineering'- QIP Short-term Course	18-22 February, 2019	Participant
	5	3 rd FDP on Academic Leadership and Institution Building	12-18, Nov., 2018	Participant
	6	Workshop on Housing Literacy for rebuilding of Kerala	16, Nov., 2018	Participant
	7	Workshop on Sustainable construction, Environment and Climate, at CUSAT	8, Dec, 2017	Participant

	8.	RASE at SOE, CUSAT	13-15 December 2013	Participant
--	----	--------------------	---------------------	-------------

Participation in Training Programs/Workshop/Summer Winter-Schools, (organized by Govt. agencies/ UGC/AICTE, ICTP or similar International Organisations) :				
Duration of Course	Title	Agency	Period	
24 Sept- 2 nd Oct, 2020	Indo Canadian Workshop			
February 18-22, 2019	Short term Course on Recent Advancement in Earthquake Geotechnical Engineering	INDIAN INSTITUTE OF TECHNOLOGY, KANPUR	5 days	
November 12-18, 2018	3rd Faculty Development Program on Academic Leadership and Institution Building	DDU KAUSHAL KENDRA, CUSAT	7 days	
16, Nov., 2018	Workshop on Housing Literacy for rebuilding of Kerala			
8, Dec, 2017	Workshop on Sustainable construction, Environment and Climate, at CUSAT			
4 th -8 th April 2016	STTP on Mathematical Models in Data Mining Process, SOE, CUSAT			
22-23 September 2014	Two Day Workshop on Piling Design and Practice, organized by IGC Kochi chapter and Deep Foundations Institute of India			
18-20 September 2013	PLAXIS ADVANCED COURSE	IIT Madras, Chennai, India		
10 th -11 th December 2012	Workshop on NBA Accreditation	SOE, CUSAT		
May 24-25,2010	Fourth Soil Dynamics Short Course	MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY,	May 24-25 (13.5 professional development hours)	

		San Diego, California	
18 th -22 nd June 1984	Training Course on computer aided design	Lal Bahadur Shastri Engineering Research and Consultancy Centre	