Lectures Delivered

Delivered lectures at a number of courses offered by various agencies for academicians, field engineers, senior administrative staff, and craftsmen. Broad topics of some of the lectures delivered are listed below.

- Short Term Training Programs / Training conducted by the Centre for Water Resources Development and Management, Calicut
 - Rural Water Supply and Sanitation
 - Well Interference
 - Groundwater Quality
 - Structures for Inland Water Transport
 - Groundwater Resources Evaluation and Management
 - Groundwater Flow and Transport
 - Hydrological and Structural Analysis for Dam Safety
 - Instrumentation and Checklist for Dam Safety Inspection
 - Environmental Audit
 - Design of Hydraulic Structures Dams
 - International Workshop on Groundwater Modelling
- 2. Short Term Training Programs/ Training conducted by NIT, Calicut
 - Disaster Management in the Context of Dam Distress Events
 - Real Time Flood Forecasting and Risk Analysis
 - Analysis & Design Concepts Related to Dams and Appurtenant Structures
 - Flood Peak Estimation and Flood Forecasting
 - Sustainable Building Technologies and Environment
 - Introduction to Numerical Modelling and the Finite Difference Method
 - Assessment of the Impact of Projected Climate Change on Water Resources in a River Basin
 - Modelling Flow and Transport in Saturated Porous Media
 - Modelling Flow and Transport in Streams
 - Ground Contamination from Waste Disposal Activities
 - Water Quality in Concrete Mix Design
 - Rural Water Supply and Sanitation
 - Design of Coastal Structures
 - Hydrographic Surveys
 - Firefighting and Fire Protection in Tall Buildings
 - Wave Hydrodynamics and Design of Coastal Structures
 - Interaction of Coastal Development with Coastal Processes its Highlights and Challenges
- 3. Short Term Training Programs/ Training conducted by NIT, Surathkal
 - Groundwater Quality
 - Groundwater Contamination and Remediation
 - Modelling Contaminant Transport in Groundwater
- 4. DST Course on Numerical Simulation of Groundwater Flow and Mass Transport for Effective Management of Aquifers at Centre for Earth Science Studies, Thiruvananthapuram
 - Contaminant Transport in the Subsurface Processes and Modelling
- 5. Short Term Training Programs conducted by Government Engineering College, Kozhikode
 - Environmental Pollution
 - Clean Energy Options
 - Earthquake Resistant Design of Hydraulic Structures
- 6. Short Term Training Program Conducted by KITS, Warangal
 - Contaminant Transport in the Subsurface Processes and Modelling
- 7. Short Term Course at RIT, Kottayam
 - Modelling of Contaminant Transport in Saturated Porous Media
 - Modelling Flow and Transport in Surface and Subsurface Systems
- 8. Short Term Course/ Training at the Hard Rock Regional Centre, National Institute of Hydrology, Belgaum
 - Surface Water Quality Modelling and Management

- 9. Training for Engineers of L&T, Mumbai, and L&T Valdel, Bangalore
 - Wave Hydrodynamics, Wave Statistics, Design of Coastal and Offshore Structures

SI.	Title of the Course/ Workshop	Details	Duration			
No.			From	То	Remarks	
1.	Workshop on FEFLOW		09.11.2022	11.11.2022	Delivered a	
	(NGRI, Hyderabad)		00:11:1011		lecture	
2.	Water Summit – India (WSI 2022))		17.09.2022		Delivered a	
	(Karunya University, Coimbatore)				lecture	
	Seminar on Adaptability of Urban Flood		26.07.2022		Delivered a	
3.	Management suitable to Trivandrum City				lecture	
	(Institution of Engineers, Kerala State Centre)					
4.	Climate-change Induced Challenges in Civil	STTP	14.03.2022	18.03.2022	Delivered a	
	Engineering (GEC, Thrissur)				lecture Delivered a	
5.	An Overview of Multidisciplinary Approaches in Civil Engineering (RIT, Hassan)	FDP	07.09.2020	11.09.2020	lecture	
	Groundwater Assessment – Modelling &				Delivered a	
6.	Management (SIST, Chennai)	FDP	17.08.2020	22.08.2020	lecture	
	Climate Change and Hydrologic Extremes				Delivered a	
7.	(Karunya University, Coimbatore)	FDP	20.07.2020	24.07.2020	lecture	
	Advances in Flood Modelling – Coastal and Inland				Delivered a	
8.	Cities (DHI (India))		03.03.2020	04.03.2020	lecture	
	Workshop on Data Collection and Design of Coastal				Delivered a	
9.	Protection Structures (IDRB, DoWR, GoK)		24.02.2020	25.02.2020	lecture	
	III Indian National Groundwater Conference				Delivered a	
10.	(INGWC-2020)		18.02.2020	20.02.2020	lecture	
4.4	International Workshop on Groundwater		17.02.2020		Delivered a	
11.	Modelling		17.02	2020	lecture	
	Contemporary Technologies for Water and		07.01.2019	12.01.2019	Delivered two	
12.	Wastewater Management	STTP			lectures	
	(Dept. of Civil Engg., TKMCE, Kollam)				icctui es	
	National Workshop on Environmental Modelling				Delivered two	
13.	(Dept. of Environmental Sciences, University of		30.01.2018	31.01.2018	lectures	
	Kerala)					
14.	Research Avenues in Geoenvironmental		04.12.2017	09.12.2017	Delivered two	
	Engineering (TKMCE, Kollam)	T: !! / [\			lectures	
15.	Groundwater Modelling	Tier II (5 day)	29.07.2017		Delivered two	
	(Central Groundwater Board – CGWB)	training			lectures	
16.	Mathematical Modelling of Transport in Fluids (RIT, Kottayam)	STTP	20.12.2016	22.12.2016	Delivered two lectures	
	Res earch Colloquium on Environmental and Water				rectures	
17.	Resources Engineering		22.10.2016		Delivered a	
17.	(RIT, Kottayam)				lecture	
	Seminar on Water Supply for Towns and Villages –		02.01.2016			
18.	Problems and Solutions				Delivered a	
	(IoE (India) and APHEK)				lecture	
	Induction Training Program on Irrigation Water	4			5.1:	
19.	Management	1 month	16.11.2015	16.12.2015	Delivered a	
	(CWRDM, Kozhikode)	training			lecture	
20.	Strategies for Groundwater Development and	STTP	06.08.2015	08.08.2015	Delivered a	
۷٠.	Management	5111	30.00.2013	30.00.2013	lecture	
21.	Design of Hydraulic Structures	Course	Marcl	n 2015	Delivered few	
	(GEC, Kannur)	200.50	Widi Cii 2013		lectures	
22.	International Conference on Recent Innovations in	International	12.01.2012	12.01.2012		Delivered a
	Technology 2012	Conference			14.01.2012	lecture
	(RIT, Kottayam)					
23.	Advances in Design of Structures	STTP	12.12.2011	17.12.2011	Delivered a	
	(GEC, Kozhikode)]		lecture	

SI.	Title of the Course/ Workshop	Details	Duration		Downst
No.			From	То	Remarks
24.	Workshop on Water Management Strategies for Arid and Semi-arid Zones (Karunya University)	Workshop	22.03.2011	23.03.2011	Delivered a lecture
25.	Water and Environment (CWRDM, Kozhikode)	Short Term	27.01.2011	02.02.2011	Delivered a lecture
26.	Irrigation Project Modernisation – New Concepts and Dam Safety (CWRDM, Kozhikode)	Short Term	06.10.2010	08.10.2010	Delivered 2 lectures
27.	Offshore Engineering (L&T, Mumbai)	Short Term Training for Engineers	13.12.2010	17.12.2010	Delivered 6 lectures in each
	Advances in Newscried Matheda in Engineering	from L&T	21.06.2010	02.07.2010	course
28.	Advances in Numerical Methods in Engineering (GEC, Kannur)	STTP	02.08.2010	07.08.2010	Delivered a lecture
29.	Recent Advances in Numerical Methods in Engineering (NITC)	Summer	24.05.2010	05.06.2010	Delivered a lecture
30.	Total Station Surveying and Other Advanced Surveying Techniques (NITC)	Summer	18.05.2009	29.05.2009	Delivered a lecture
31.	Water Quality Assessment and Management (NIH, Belagaum)	Short Term	02.02.2009	06.02.2009	Delivered a lecture
32.	Advanced Technological Interventions for Environmental Sustainability (RIT, Kottayam)	STTP	14.03.2007	27.03.2007	Delivered 2 lectures
33.	Water Resources Management (NITK, Surathkal)	Short term	18.12.2006	23.12.2006	Delivered a lecture
34.	Seminar on Solid Waste Management (MCITRA, Kozhikode)	Seminar	25.03.2006		Delivered a lecture
35.	Green Power- Eco friendly Energy Engineering (GEC, Kozhikode)	STTP	06.03.2006	18.03.2006	Delivered 2 lectures
36.	Inland Water Transport (CWRDM, Kozhikode)	STTP	14.02.2006	16.02.2006	Delivered a lecture
37.	Groundwater Resources Evaluation and Management (CWRDM, Kozhikode)	Short Term	21.11.2005 21.11.2006 20.11.2007 24.11.2008	25.11.2005 25.11.2006 24.11.2007 28.11.2008	Delivered a lecture
38.	Environmental Impact Assessment of Water Resources Projects (NITK, Surathkal)	Short Term	14.11.2005 02.01.2006	18.11.2005 06.01.2006	Delivered a lecture
39.	DST Course on Numerical Simulation of Groundwater Flow and Mass Transport for the Effective Management of Aquifers (CESS, Thiruvananthapuram)	DST Advanced Training School	01.08.2005	20.08.2005	Delivered 2 lectures
40.	Assessing Risk of Groundwater Contamination from On-site Sanitation in Rural Kerala (CWRDM, Kozhikode)	Short Term	06.06.2005	18.06.2005	Delivered a lecture
41.	NIRMAAN 2005 (GEC, Thrissur)	Tech Fest of CE Students	02.03.2005	04.03.2005	Delivered a lecture
42.	Seminar on Relevance of Inland Waterways in Kerala (CWRDM, Kozhikode)	Seminar	28.02.2005		Delivered a lecture
43.	Pollution and its Control – Strategies and Techniques (GEC, Kozhikode)	STTP	07.02.2005	19.02.2005	Delivered 2 lectures
44.	Workshop on Well Interference (CWRDM, Kozhikode)	Workshop	11.02.2005		Delivered a lecture
45.	Rural Water Supply and Sanitation (CWRDM, Kozhikode)	Short Term	12.10.2004 19.07.2005	16.10.2004 22.07.2005	Delivered a lecture
46.	Recent Trends in the Analysis and Design of Offshore Structures	Summer	05.05.1997	16.05.1997	Delivered a lecture
47.	Concrete Mix Design	Short Term			Delivered a lecture

SI. No.	Title of the Course/ Workshop	Details	Duration		Remarks
			From	То	
48.	Services in Tall Buildings	Short Term			Delivered a
					lecture
49.	ITN-WATSAN Course on Rural Water Supply and Waste Management	Short Term	06.03.1995	11.03.1995	Delivered a
					lecture
50.	Foundations for Coastal and Offshore Structures	Summer	17.05.1993	28.05.1993	Delivered a
50.					lecture
51.	Ground Contamination from Waste Disposal Activities and Solutions	Summer	05.05.1992	16.05.1992	Delivered 2
					lectures

SI.	Particulars Particulars		
No.	Chairman / Ca chairman af National / International Conference		
1.	Chairman/ Co-chairman of National/ International Conferences		
	Chaired sessions in the following conferences		
	(i) Moderator for the session on Disaster Preparedness: Standards and Actions at the National Conference on Policies and Strategies for Flood Management: Kerala Scenario, organised by the Dept. of Water Resources, Govt.		
	of Kerala during 23-24 January 2020		
	(ii) Chaired a session at the International Conference HYDRO 2019 (Hydraulics, Water Resources and Coastal Engineering) organised by the Indian Society for Hydraulics (ISH) at Hyderabad during 18-20 December 2019. (iii) Chaired a session at the International Conference on Infrastructure Development: Issues, Innovations, and the		
	Way Forward (21-23 June 2018) at MBCET, Thiruvananthapuram (iv)Presented the recommendations of the International Dam Safety Conference 2018 at the Valedictory Session (iv) Presented to a Tack rise (Seesing of the International Dam Safety Conference 2018)		
	(v) Rapporteur for a Technical Session of the International Dam Safety Conference 2018 (vi)Chaired a session at the International Conference on Emerging Trends in Engineering Science & Technology		
	(ICETEST - 2018) at GEC, Thrissur on 18 th January 2018		
	(vii) Chaired the session on Engineering and Technology, 28 th Kerala Science Congress 2016 (viii) Chaired a session at the International Conference on Emerging Trends in Engineering Science & Technology		
	(ICETEST - 2015) at GEC, Thrissur on 9 th December 2015		
	(ix)Chaired a session at the International Conference on Recent Innovations in Technology 2012 at RIT, Kottayam, on 13 th January 2012		
	(x) Chaired a session at the 3 rd International Geography Congress at CWRDM, Kozhikode on 7 th May 2011		
	(xi)Chaired a session at the National Conference on Technological Trends (NCTT 2009) at College of Engineering,		
Thiruvananthapuram, on 7 th November 2009 and August 2012			
	(xii)Chaired a session at the National Seminar on Emerging Trends in Environment and Development (KUNSED2009)		
2.	Kerala University, Thiruvananthapuram, on 09.10.2009		
۷.	Keynote speaker of National/ International Conferences and Invited Lectures		
	 (i) Delivered a keynote lecture at the 2 day seminar on "Advances in Flood Modelling – Coastal and Inland Cities" organized by the DHI (India) Water and Environment Pvt. Ltd. at the NCCR, NIOT Campus, Chennai, during 03- 04 March 2020 		
	(ii) Delivered an invited talkon "Basic Hydrodynamic Processes in the Coastal Zone" at the 2 day Workshop on Data Collection and Design of Coastal Protection Structures organised by the IDRB, Dept. of Water Resources, Govt. of Kerala, during 24-25 February 2020		
	(iii) Delivered a keynote lecture at the III Indian National Groundwater Conference (INGWC-2020) held at CWRDM, Kozhikode during 18-20 February 2020		
	(iv) Delivered a keynote lecture on "Artificial Recharge of Groundwater" at the National Seminar on "Solutions to Water Scarcity in Chennai City", organised by the Dept. of Civil Engineering, St. Peter's Institute of Higher Education and Research at Chennai during 4-5 February 2020		
	(v) Delivered an invited talkon "Mathematical Modelling and its Applications in Water Resources Engineering" at the International Conference on Emerging Technologies for Sustainability at the Amal Jyothi Engineering College, Kanjirappally on 19 th July 2019.		
	(vi) Delivered an invited talkon "Water Resources Management in Kerala – A Review Based on the Kerala Floods 2018" at the MEA Engineering College, Pandikkad, Perinthalmanna on 28.03.2019		
	(vii) Delivered an invited talkon "Kerala Floods – Experiences and Lessons Learnt" at the one day seminar on "New Frontiers of Hydraulics and Water Resources Engineering" at NITK, Surathkal on 28.12.2018		
	(viii) Delivered an invited talk on "Climate Change and the Energy Sector in Kerala" at the one day seminar organized by FEEC at Kozhikode on 20.12.2018		
	(ix) Delivered an invited talkon "Water Management in the Context of Recent Floods in Kerala" at the Calicut Chapter of the Institution of Engineers (India) on 30.10.2018.		

- (x) Delivered an invited lecture "Flood Management for the State of Kerala Outline of a Proposal Based on the Experiences from the Floods of 2018" at the one day Workshop on "Sustainable Solutions to Flood Management towards "Climate Resilient Kerala" organized by the Hindustan Institute of Technology and Science, Chennai on 25.10.2018
- (xi) Made an invited presentation on "Development of a Real Time Flood Forecasting System for Reservoirs in the Periyar River Basin" before the Joint Team of the NPMU of the NHP, MoWR, RD & GR and CWC on a visit to Kerala to explore the feasibility of development of flood forecasting/ early warning system and rules for reservoir operation on 27.09.2018 at Aluva.
- (xii) Delivered a key note lecture titled "Water Resources Management in Kerala: Challenges and the Way Forward" at the International Conference on Infrastructure Development: Issues, Innovations, and the Way Forward (21-23 June 2018) at MBCET, Thiruvananthapuram
- (xiii) Delivered an invited lecture titled "Water Resources Management in Kerala: Challenges and the Way Forward" at the State level seminar "Nature for Water" organized by the Dept. of Water Resources, GoK, at Thiruvananthapuram on 22.03.2018 in connection with the World Water Day 2018
- (xiv) Delivered an invited talk on Modelling of Pollutant Transport in Water Bodies at the National Workshop on Environmental Modeling organized by the Department of Environmental Sciences, University of Kerala on 31st January 2018
- (xv) Delivered an invited talk on "Assessing the impact of projected climate change on water resources of a river basin at the Workshop organized by the Gujarat Technological University during Research Week 2017 on 14 the March 2017
- (xvi) Delivered an invited talkat the Research Colloquium on Environmental and Water Resources Engineering (RIT, Kottayam) on 22nd October 2016
- (xvii) Delivered a keynote lecture on "Issues in Municipal Solid Waste Management" in the National Conference on Challenges and Emerging Trends in Civil Engg. and Technology on 19th October 2016 organised by the College of Engineering, Vadakara
- (xviii) Delivered an invited talk on the "Impact of Projected Climate Change on Water Resources" at Govt Engineering College, Thrissur, under TEQIP Phase II
- (xix) Delivered an invited talk on the theme "Water and Sustainable Development' on 22 nd March 2015 in the meeting organised in connection with the World Water Day by the Kozhikode Local Centre of the Institution of Engineers (India) and the Kozhikode District Committee of the Association of Public Health Engineers, Kerala
- (xx) Design of Minor Irrigation and Canal Structures Invited Lecture at Dept. of Civil Engineering, Govt. Engineering College, Kannur, April 2015
- (xxi) Delivered an invited talk on Wastewater Treatment and Contaminant Transport at the International Conference on Waste Management for Sustainable Development jointly organised by the Department of Civil Engineering, NSS College of Engineering, Palakkad, Palakkad Local Centre of the Institution of Engineers (India), and the Laurie Baker International School of Habitat Studies during 21-23 March 2014.
- (xxii) Delivered an invited talkon "Assessment of the Impact of Climate Change on Water Resources in a River Basin" at the National Workshop on "Water Resources Management in the Climate Change Scenario" organised by the Dept. of Civil Engineering, Andhra University, Visakhapatnam on 29th June 2013.
- (xxiii) Delivered an invited talk on "CFD Applications in Ocean Engineering" at the Symposium on "CFD Applications in Water Engineering" organised by the Karnataka State Council for Science and Technology and Dept. of Civil Engineering, IISc, Bangalore on 1st June 2013.
- (xxiv) Delivered an invited talk on "Climate Change Modelling" at the International Meet on "Impact of Climate Change on Water Resources Development and Management" on 17th August 2012 at Karunya University, Coimbatore.
- (xxv) Delivered a keynote address on "Mathematical Modelling of Civil Engineering Systems" at the International Conference on Recent Innovations in Technology 2012 at RIT, Kottayam, on 13th January 2012.
- (xxvi) Delivered an invited talkon "Groundwater Management Strategies" on 22 nd March 2011 in the DST sponsored workshop on "Water Management Strategies for Arid and Semi-arid Zones" held at Karunya University, Coimbatore.
- (xxvii) Presented an invited talkon e-Wastes at the National Workshop on Management of Urban Solid Wastes, organised by the Institution of Engineers (India), in August 2006.
- (xxviii) Presented an invited talk on "Inland Navigation Related Structures" at the one day workshop on Inland Navigation In Kerala held at Kochi in 2005.
- (xxix) Presented an invited talk on "Groundwater Modelling for River Basin Management" at the International Seminar on Integrated River Basin Management with Special Reference to the Humid Tropics at CWRDM, Calicut, on 22nd August, 2003.