

**Central Project Management Unit, DRIP**  
**Training Calendar for April 2019-March 2020**  
**Updated on 03 July 2019**

S.N.	Training Theme	Training Coordinator	Venue	Duration (Days)	Time Period	Remarks
1.	Dam Health and Rehabilitation Monitoring Application (DHARMA) – Hands on training for Dam Data Managers and Dam Health Engineers in implementing DHARMA	P.K. Majumdar, Mob: 9954156227	Chennai	3	19-21 June 2019	Training Completed
2.		P.K. Majumdar, Mob: 9954156227	Nashik	3	04-06 July 2019	Training Completed
3.		P.K. Majumdar, Mob: 9954156227	Nashik	3	08-10 July 2019	Training Completed
4.		P.K. Majumdar, Mob: 9954156227	Udaipur	3	30-31 July 2019	Training Completed
5.		P.K. Majumdar, Mob: 9954156227	Bengaluru	3	28-30 August 2019	
6.		P.K. Majumdar, Mob: 9954156227	Ahmedabad	3	18-20 Sept. 2019	
7.		P.K. Majumdar, Mob: 9954156227	Bhubaneswar	3	15-17 October 2019	
8.		P.K. Majumdar, Mob: 9954156227	Bhopal	3	05-07 Nov. 2019	
9.		P.K. Majumdar, Mob: 9954156227	Thiruvananthapuram	3	27-29 Nov. 2019	
10.		P.K. Majumdar, Mob: 9954156227	Meghalaya	3	11-13 Dec. 2019	
11.	State-of-the-art practices for dam operation and risk-based maintenance			1		Dates to be finalized
12.	Training Program on Geostudio Professional Software Part 1	Mohammad Zishan, Mob: 7503677998	Library Building, CWC, New Delhi	5	05-09 Aug. 2019	
13.	Training Program on Geostudio Professional Software Part 1	Mohammad Zishan, Mob: 7503677998	Library Building, CWC,	5	19-23 Aug. 2019	

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			New Delhi			
14.	Training Program on Geostudio Professional Software Part 1	Mohammad Zishan, Mob: 7503677998	Library Building, CWC, New Delhi	5		
15.	Workshop on Preparation and Implementation of Dam Operation and Maintenance Manuals	Ed. Flint Mob: 9717784010	Kottayam, Kerala	3	7-10 May 2019	Training Completed
16.	Workshop on Preparation and Implementation of Dam Operation and Maintenance Manuals	Ed. Flint Mob: 9717784010	Bhubaneswar	3		
17.	Workshop on Preparation and Implementation of Dam Operation and Maintenance Manuals	Ed. Flint Mob: 9717784010	Chennai.	3		
18.	Operation and Maintenance Aspects of Hydro-mechanical and Control Systems in Dams	Hydro Exploitation, Switzerland	Chennai	5		To be coordinated by IAs directly TNWRD
19.	Operation and Maintenance Aspects of Hydro-mechanical and Control Systems in Dams	Hydro Exploitation, Switzerland	Thiruvananthapuram	5		To be coordinated by IAs directly KWRD
20.	Site-Specific Evaluation of Design Seismic Parameters for River Valley Projects	Samir Shukla, Mob: 9560003639	Library Building, CWC, New Delhi	5	24-28 June 2019	Training Completed
21.	Training Course on Design Flood Analysis	Nityanand Rai, Mob: 9999085580	Thiruvananthapuram	4	09-12 July 2019	Training Completed

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22.	Geomembrane sealing System for Dams	National Water Academy, Pune	NWA, Pune	2	28-29 Aug. 2019	
23.	Seismic Studies for dams	Anbazhagan, Mob.: 9448100410	IISc, Bengaluru	2	19-20 August 2019	Training announced
24.	Application of Geosynthetics in Dam Construction, Improvement and Rehabilitation	Rajagopal, Mob: 9445280115	IIT Madras, Chennai	3	05-07 August 2019	Training announced
25.	Real Time Flood Forecasting and Risk Analysis	Prof. Santosh Thampi, Mob: 9446253066; 9400987491	NIT, Calicut	3	10-12 July 19	Training Completed
26.	Disaster Management in the Context of Dam Distress Events	Prof. Santosh Thampi, Mob: 9446253066; 9400987491	NIT, Calicut	3		New Date will be informed
27.	Rehabilitation and Forensics of Dam Structures	Prof. Santosh Thampi, Mob: 9446253066; 9400987491	NIT, Calicut	3	25-27 Nov 2019	
28.	Monitoring and Survey for Estimation of Structural Deformation for Dam Safety Using Total Station And GPS'	Prof. R.D. Garg, IIT	IIT Roorkee	3	28-30 Jan 2019	Training Completed
29.	Monitoring and Survey for Estimation of Structural Deformation for Dam Safety Using Terrestrial Laser Scanner'	Prof. R.D. Garg, IIT	IIT Roorkee	2	31 Jan-01 Feb 2019	Training Completed
30.	Conventional and Advanced Hydrometric Techniques for Discharge Estimation	Dr. Manoj K. Jain, Mob: 9410371758	IIT Roorkee	3	10-12 June, 2019	Training Completed
31.	Hydrological and Hydraulic Methods of Flood Routing	Dr. Manoj K. Jain, Mob: 9410371758	IIT Roorkee	2	13-14 June, 2019	Training Completed
32.	2-Day Short-term course on Geo-technical	Prof. R.S. Jakka, Mob: 9458947076;	IIT Roorkee	2	June 17-18,	Training

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	and Seismic Considerations in Dams	7060623252			2019	Completed
33.	3-Day Short-term course on Seismic Safety of Earth and Rock-fill Dams	Prof. R.S. Jakka, Mob: 9458947076; 7060623252	IIT Roorkee	3	June 19-21, 2019	Training Completed
34.	Damages due to Abrasion and Cavitation in Gates, Conduits, Spillways and Energy Dissipaters	Dr Arun Kumar; Mob: 9837016919	IIT Roorkee	3	August 6-8 2019	Training announced
35.	Damages due to Abrasion and Cavitation in Gates, Conduits, Spillways and Energy Dissipaters	Dr Arun Kumar; Mob: 9837016919	IIT Roorkee	3	August 20-22, 2019	Training announced
36.	Damages due to Abrasion and Cavitation in Gates, Conduits, Spillways and Energy Dissipaters	Dr Arun Kumar; Mob: 9837016919	IIT Roorkee	3	August 27-29, 2019	Training announced
37.	Hydraulic and structural design of dams	Dr. Z. Ahmad; 9012223458	IIT Roorkee	3	September 2-4, 2019	Training announced
38.	Hydraulic and structural design of spillways and energy Dissipators	Dr. Z. Ahmad; 9012223458	IIT Roorkee	3	September 5-7, 2019	Dr. Z. Ahmad Training announced
39.	Seismological Aspects related to Design of Concrete Gravity Dams	Prof. M.L. Sharma and Prof. S. C. Gupta	IIT Roorkee	3	September 9-11, 2019	10 <sup>th</sup> Holiday Training to be rescheduled
40.	Seismic Design and Safety Evaluation of Concrete Gravity Dams	Prof. Pankaj Agarwal; Mob: 9837004618; and Prof. Manish Shrikhande, Mob: 9412071738	IIT Roorkee	3	September 12-14, 2019	
41.	Design flood estimation for gauged catchments	Dr N.K. Goel, Mob: 9412393851 Dr D. S. Arya, Mob: 9412072400	IIT Roorkee	3	September 16-18, 2019	

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**Training Calendar for April 2019-March 2020**  
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42.	Design Flood estimation for ungauged catchments	Dr N.K. Goel, Mob: 9412393851 Dr D. S. Arya, Mob: 9412072400	IIT Roorkee	2	September 19-20, 2019	
43.	Hydraulic and Structural Design of Dams	Dr. Z. Ahmad; 9012223458	IIT Roorkee	3	October 3-5, 2019	
44.	Hydraulic and structural design of spillways and energy Dissipators	Dr. Z. Ahmad; 9012223458	IIT Roorkee	3	October 6-8, 2019	
45.	Sustainable Tourism Development in Existing Dams	Dr. Avlokita Agrawal, Mob: 9997011410	IIT Roorkee	3	23-25 December 2019	
46.	Sustainable Tourism Development in Existing Dams	Dr. Avlokita Agrawal, Mob: 9997011410	IIT Roorkee	3	2-4 Jan 2020	
47.	Use of Virtual Reality and GIS for Decision Making	Dr. Avlokita Agrawal, Mob: 9997011410	IIT Roorkee	2	7-8 Jan 2020	
48.	Use of Virtual Reality and GIS for Decision Making	Dr. Avlokita Agrawal, Mob: 9997011410	IIT Roorkee	2	10-11 Jan 2020	
49.	Use of Virtual Reality and GIS for Decision Making	Dr. Avlokita Agrawal, Mob: 9997011410	IIT Roorkee	3	13-14 Jan 2020	
50.	Flood hazard mapping and emergency action plans	Dr N.K. Goel, Mob: 9412393851 Dr D. S. Arya, Mob: 9412072400	IIT Roorkee	3	20-24 Jan 2020	
51.	Hydrological, Geotechnical & Geological Investigation of Dams	Prof. R.P. Tiwari, Mob: 9415216780	MNNIT, Allahabad	5	22-26 May, 2019	Training Completed

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**Training Calendar for April 2019-March 2020**  
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52.	Software Application and Simulation for Dam Design	Prof. R.P. Tiwari, Mob: 9415216780	MNNIT, Allahabad	5	06-10 Jan. 2020	
53.	Water quality assessment, Reservoir Sedimentation & Risk Remedial measures	Prof. R.P. Tiwari, Mob: 9415216780	MNNIT, Allahabad	5	25-29 Sep. 2018	
54.	New Materials and Instrumentation for Rehabilitation of Dams	Prof. R.P. Tiwari, Mob: 9415216780	MNNIT, Allahabad	5	16-20 Oct. 2019	
55.	Risk Uncertainty & Management Information System	Prof. R.P. Tiwari, Mob: 9415216780	MNNIT, Allahabad	5	16-20 Dec. 2019	
56.	Geotechnical Aspects Related to Dam Safety	Dr. S.K. Katiyar, Mob.: 9131514261; 9827200561	MANIT, Bhopal	2	30 Sep-01 Oct 2019	
57.	Applications of Modern Surveying Techniques (Remote Sensing, GIS and GPS) in the Water Resources Projects	Dr. S.K. Katiyar, Mob.: 9131514261; 9827200561	MANIT, Bhopal	2	21-22 Nov 2019	
58.	Reservoir Sedimentation Studies	Dr. S.K. Katiyar, Mob.: 9131514261; 9827200561	MANIT, Bhopal	2		
59.	Flood Studies and Flood Routing	Dr. S.K. Katiyar, Mob.: 9131514261; 9827200561	MANIT, Bhopal	2		
60.	Dam Break Analysis	Dr. S.K. Katiyar, Mob.: 9131514261; 9827200561	MANIT, Bhopal	2		
61.	Model Studies for Dam Structures	Prof, B.V. Mudgal, Mob: 9444441065	CWR_AU, Chennai	3	24-26 July 2019	Training announced
62.	Watershed Modelling with Catchment Treatment	Prof, B.V. Mudgal, Mob: 9444441065	CWR_AU, Chennai	3	19-21 August 2019	Training announced

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63.	Hydrology and Flood Modelling with Dam Break Analysis	Prof, B.V. Mudgal, Mob: 9444441065	CWR_AU, Chennai	3	11-13, Sept. 2019	
64.	Real Time Flood Forecasting	Prof, B.V. Mudgal, Mob: 9444441065	CWR_AU, Chennai	3	02-04, Dec. 2019	
65.	Hydraulic and Structural Design of Dams	Prof, B.V. Mudgal, Mob: 9444441065	CWR_AU, Chennai	3	02-04, Jan. 2020	
66.	Estimation of Flood & Routing	Dr. Tulasidharan Nair, Mob: 9446346884	CET, Thiruvananthapuram	3	19-21 June 2019	Flood routing training is being organized by CWC in TVM in July 2019 requested to change the topic
67.	Reservoir Operation	Dr. Tulasidharan Nair, Mob: 9446346884	CET, Thiruvananthapuram	3	02-04 Sep. 2019	Training announced
68.	Dam Break Analysis and EAP Preparation	Dr. Tulasidharan Nair, Mob: 9446346884	CET, Thiruvananthapuram	3	13-15 Nov. 2019	
69.	Design Concepts for Dams and Hydraulic Structures	Dr. Tulasidharan Nair, Mob: 9446346884	CET, Thiruvananthapuram	2	29-30 August 2019	

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<b>70.</b>	Seismic and Geological Aspects for Dams	Dr. Tulasidharan Nair, Mob: 9446346884	CET, Thiruvanantha puram	2	09-11 Dec. 2019	



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**Acronyms used and their signification**

Acronym	Signification	Acronym	Signification	Acronym	Signification
EF	Edward Eugene Flint	DGD	David Gonzalez Diaz	HSH	Dr. Hadush Seged Hagos
AKD	A K Dhawan	VK	Vinod Kumar Verma	CSM	C S Mathur
MBR	M. Bhaskara Reddy	SSD	Surjit Singh Deepak	DS	Dharamveer Singh
RP	Rajendra A Patel	PKM	Prasanta Kumar Majumdar	DC	Deepak Chaubey
IITM	Indian Institute of Technology Madras	IISc	Indian Institute of Science, Bengaluru	NITC	National Institute of Technology, Calicut
IITR	Indian Institute of Technology Roorkee	MANIT	Maulana Azad National Institute of Technology, Bhopal	MNNIT	Motilal Nehru National Institute of Technology, Allahabad
CWR-AU	Centre for Water Resources, Anna University, Chennai	CET	College of Engineering, Trivandrum		