Water Resources Development – Programmes for 2021-22

S.No.	Programme Title	Days	Dates	Mode of Conduct
1	Dam Safety Guidelines – Monitoring and Protection Measures and Emergency Action Plan	5	26 – 30 Apr, 20	Online
2	Climate Change Impact on Water Resources, its Imitation and Adaptation	4	17 – 21 May, 21	Online
3	Contract Management and Dispute Resolution in Projects	5	24 – 28 May, 21	Online
4	Flood Computation and Flood Disaster Management	5	07 – 11 Jun, 21	On line
5	Planning, Design and Implementation of Water Supply Network and Distribution using GIS	5	21 – 25 Jun, 21	On line
6	Water Resources Development using Artificial Neural Network	3	05 – 07 Jul, 21	Class Room
7	Project Management using MS Project and Primavera Software	5	12 – 16 July, 21	Class Room
8	Digital Surface Modeling using GIS Techniques-Hands on Practice	5	26 – 30 Jul, 21	Class Room
9	Water Quality Monitoring and Surveillance	4	09 – 12 Aug, 21	Class Room
10	Drinking Water Supply Systems – Planning, Design and O&M with SCADA & Software Applications	5	23 – 27 Aug, 21	Class Room
11	LiDAR Technology for Irrigation & Agriculture Sector	3	06 – 08 Sep, 21	Class Room
12	Flood analysis using HEC-RAS Software	3	14 – 16 Sep, 21	Class Room
13	Data Processing and Validation of Surface Water using HYMOS Software	3	28 –30 Sep, 21	Class Room
14	Instrumentation and Seismic Analysis of Gravity Dams with Software Applications	5	04 – 08 Oct, 21	Class Room
15	Geospatial Applications in Water Resources	3	20 - 22 Oct, 21	Class Room
16	Assessment of Irrigation Demand and Irrigation Scheduling using Latest Software Applications	3	09 – 11 Nov, 21	Class Room
17	Water Safety Plan – Development and Implementation	4	22 – 25 Nov, 21	Class Room
18	Modernization of Irrigation Systems using Latest Technologies	5	13 – 17 Dec, 21	Class Room
19	Strategies for More Crop for Drop of Water	4	27 – 30 Dec, 21	Class Room
20	Hydraulic Gates and Hoists – Design, Erection and Operation & Maintenance including Dismantling	5	17 – 21 Jan, 22	Class Room
21	Networking and use of sensors for on farm Irrigation Water Management	3	02 – 04 Feb, 22	Class Room
22	Operation & Maintenance of Hydel Power Projects including SCADA Applications	5	14 – 18 Feb, 22	Class Room
23	Automation in Micro Irrigation Systems for improving Irrigation Efficiency	5	07 – 11 Mar, 22	Class Room
24	Planning, Design, Construction and O&M of Lift Irrigation Schemes	4	21 – 24 Mar, 22	Class Room

Note :

- In addition to the above programmes WRD Division in partnership with UNICEF is taking up specific training programmes in Water and Sanitation Sector like Project Implementation Plan for Swajal, Water Security Plan, Water Quality and Surveillance Systems and Retro – fitting of Toilets in Swachh Bharat Mission for Telangana, Andhra Pradesh and Karnataka States.

- Further WRD Division is taking up Induction Training for Newly Recruited Asstant Executive Engineers for RWS&S Department, Government of Telangana.

Certification Course:

S.No.	Name of the course	Remarks
1	Modern Surveying Techniques including Total Station, GPS & DGPS	**Duration:** 2 weeks
2	Design and Analysis of Civil Structures using FEM and ANSYS software	**Duration:** 2 weeks

30 days summer internship programme on "Planning, Designing and Implementation of water supply Systems using Software" and "Integrated Water Resources Development and Management including software applications"

TEAM	
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**"A Hands-on training session on Pre-DCR software and DCR portal
(venue to host DCR Portal Training) from 06 - 08 Feb 2021 at ESCI Campus"**