

**ONE WEEK TRAINING PROGRAMME ON
RIVER HYDRODYNAMICS & TRAINING WORKS**

OCT. 9-14, 2017

Time/Date	9.00-9.30 AM	9.30-10.15 AM	10.15-11.30 AM	11.30-11.45 AM	11.45 AM-1.00 PM	1.00-2.30 PM	2.30-3.45 PM	3.45-4.00 PM	4.00-5.15 PM
09.10.2017 (MON)	Registration	Inaugural function followed by tea	Basics of channel hydrology-I CSPO	T E A	Fluvial Hydraulics ZA	L U N C H	Basics of channel hydraulics-I KSHP	T E A	River Morphology- Hydraulic geometry of alluvial channels, ZA
10.10.2017 (TUE)	Basics of channel hydraulics-II KSHP	Basics of channel hydrology-II CSPO	River Morphology- Plan form & Stream bank shifting ZA		Erosion and siltation in rivers and their control ZA		Modern river survey methods, RDG, Followed by visit to Geomatics Lab (RDG)		
11.10.2017 (WED)	Application of remote sensing and GIS techniques-I PKG	Application of remote sensing and GIS techniques-II PKG	Geotechnical investigations for training works NKS		Construction and quality control BS		Flexible gabion and Reno mattress structures for RTW SK		
12.10.2017 (THU)	RTW-Porcupines AK	RTW-Submerged Vanes HS	Planning and design concept of training works ZA		Physical hydraulic modeling of rivers & structures-I ZA		Physical hydraulic modeling of rivers & structures-II, ACP Followed by visit to Hyd. Lab (ZA/PKS)		
13.10.2017 (FRI)	Training works for channelization of rivers ZA	River modeling using HEC RAS software ZA	River training works (RTW)-Spurs MKM		RTW- Embankment & bank revetment MKM		RTW- cutoff/Pilot channel & pitched islands, MKM Followed by practices on HEC RAS (ZA)		
14.10.2017 (SAT)	Field trip to various sites of RTWs near to Roorkee, Haridwar & Rishikesh ZA, AG & PKS								

Venue: Continuing Education Centre

CSPO : Prof. C S P Ojha, Civil Eng. Dept.
KSHP : Prof. KS Hariprasad, Civil Eng. Dept.
ZA : Prof. Z Ahmad, Civil Eng. Dept.
AG : Prof. Ajay Gairola, Civil Eng. Dept.
PKS : Dr. P K Sharma, Civil Eng. Dept.
PKG : Prof. P K Garg, Civil Eng. Dept.
NKS : Prof. N K Samadhiya, Civil Eng., Dept.

RDG : Dr. R D Garg, Assoc., Civil Eng. Dept.
MKM : Prof. M K Mittal, Retd. Prof., IIT, Roorkee
ACP : Shri A C Pandey, IRI, Roorkee
HS : Dr. Himanshu Sharma, NIT, Srinagar
BS : Dr. Bhupender Singh, Civil Eng. Dept.
SK : Ms Shabana Khan, Maccafferri Env. Solutions Pvt. Ltd., New Delhi

(Z Ahmad), Course Coordinator