

A 5 Day Online FDP on "Advances in Water Resources Engineering and Irrigation Management"  
organized by



Department of Civil Engineering  
Sri Sivasubramaniya Nadar College of Engineering  
(SSN CE), OMR, Kalavakkam-603110, Tamil Nadu, India  
3<sup>th</sup> January 2022- 7<sup>th</sup> January 2022



## About SSN

Sri Sivasubramaniya Nadar (SSN) College of Engineering an Autonomous Institute affiliated to Anna University established in year 1996 on a sprawling green campus of 250 acres on Rajiv Gandhi Salai (OMR) by the vision and initiative of Padma Bhushan Dr. Shiv Nadar, Chairman of HCL Technologies. The Institute offers eight B.E./B. Tech. degree programs and eleven M.E./M. Tech and Ph.D. degree in addition to MBA program. An ISO 9001:2008 certified Institution been accredited by NAAC with an A+. The Institute has consistently stood among top 3 engineering colleges in Tamil Nadu. The college is ranked 45<sup>th</sup> in Engineering category in India Rankings 2021 listed by NIRF, MHRD. The SSN also ranked 7<sup>th</sup> among best private engineering colleges in India in Edu Rand Awards, 2015. SSN received the "Asia's Best Private Education Institute Award" for the year 2012-13 from World Consulting and Research Corporation (WCRC) processed and evaluated by KPMG, "Top Institute of India Award" for the years 2010 & 2012 instituted by Competition Success Review (CSR), New Delhi and "Bharatiya Vidya Bhavan National Award" for an Engineering College having the Best Overall Performance during year 2006.



## About Department

The Department of Civil Engineering was started in the academic year 2011-2012 with an aim of promoting high quality education in the field of Civil Engineering. The department has well equipped laboratories and highly qualified faculty members having rich experience in teaching and industrial background. The department is strengthened by its motivated faculty and all our faculties are doctorates in major fields of Civil Engineering. The management supports the student in funded research projects. The undergraduate students are encouraged their findings to publish in reputed journals.

## Objectives of FDP

- To insight latest cognizance on Water Resources Engineering and Irrigation Management to young teachers, researchers who are working in the field of water resources.
- To make awareness on software's and modeling process involved in field of water resources and irrigation management.
- To study about flood forecasting techniques and drought indices.
- To address real time issues in Irrigation Management and in Water Resources Engineering.

### Faculty Coordinators

Dr.P.Sreehari , Professor

Dr. Surendar Natarajan , Assistant Professor

### Convenor

Dr.N.Sivakumar

Professor & Head of the Department

Important Dates: 3-1-2022 to 7-1-2022

Registration Closing Date: 25-12-2021

## Programme details

Date	Topic	Topic	Resource Person
3-1-2022	Session 1 (10 AM to 12 PM)	Introduction to hydrological process, Conceptual, mathematical and physical models	Dr. K.S. Kasiviswanathan Assistant Professor, Water Resource Development & Management, IIT Roorkee.
	Session 2 (1 PM to 3 PM)	Hands on training on conceptual hydrological models (HBV, Hymod)	
4-1-2022	Session 1 (10 AM to 12 PM)	Hydraulic modelling concepts and its field application	Dr. P.K Suresh Visiting Consultant IIT Madras, Principal Meenakshi Sundarajan Engineering College , Advisor of Adhi Sankaracharya College of Engineering, Kaladi.
	Session 2 (1 PM to 3 PM)	Introduction to hydraulic modeling - hands on training HEC models	
5-1-2022	Session 1 (10 AM to 12 PM)	Flood routing and flood forecasting	Dr. C.M. Rao Associate Professor, Department of Civil Engineering, NIT Jamshedpur .
	Session 2 (1 PM to 3 PM)	Spatio and temporal assessment of drought characteristics and indices.	Dr. Sanjay kumar M. Yadav Professor, Department of Civil Engineering, SV NIT Surat.
6-1-2022	Session 1 (10 AM to 12 PM)	Introduction to BIM in water resources engineering	Dr. B. Amarnath Head, BIM Strategy. Mr. Arun Venkadesh Manager, BIM -WETIC Larsen &Toubro Limited Chennai.
	Session 2 (1 PM to 3 PM)	Water use efficiency of irrigation projects and measures to improve efficiency	Dr.B. Krishna Rao Director, Water and Land Management Training & Research Institute, Hyderabad.
7-1-2022	Session 1 (10 AM to 12 PM)	Geospatial techniques applications in irrigation engineering with case studies	Dr. D. G. Regulwar Professor, Civil Engineering, Government College of Engineering , Aurangabad- Maharashtra.
	Session 2 (1 PM to 3 PM)	Irrigation water management and optimization techniques	

### Course Contents

Introduction to hydrologic and hydraulic concepts, irrigation efficiency, modeling concepts, HBV Hymod, HEC-RAS and BIM.

### Course Evaluation

On successful completion of the FDP e–certificate will be sent to the participants with a minimum of 80% attendance in their registered email

### Registration and Fees

No registration fees

### Registration link:

<https://forms.gle/YbsVHp4SV5ed68Z39>

### Contacts:

Dr.P. Sreehari call @ 9444116387 email: [sreeharip@ssn.edu.in](mailto:sreeharip@ssn.edu.in)

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