



Module PMRF-ISSS66/2023

Hydrological Modelling with R

Name of the PMRF student

Kanneganti Bhargav Kumar

Required background of the students taught

B.Tech: Civil Engineering

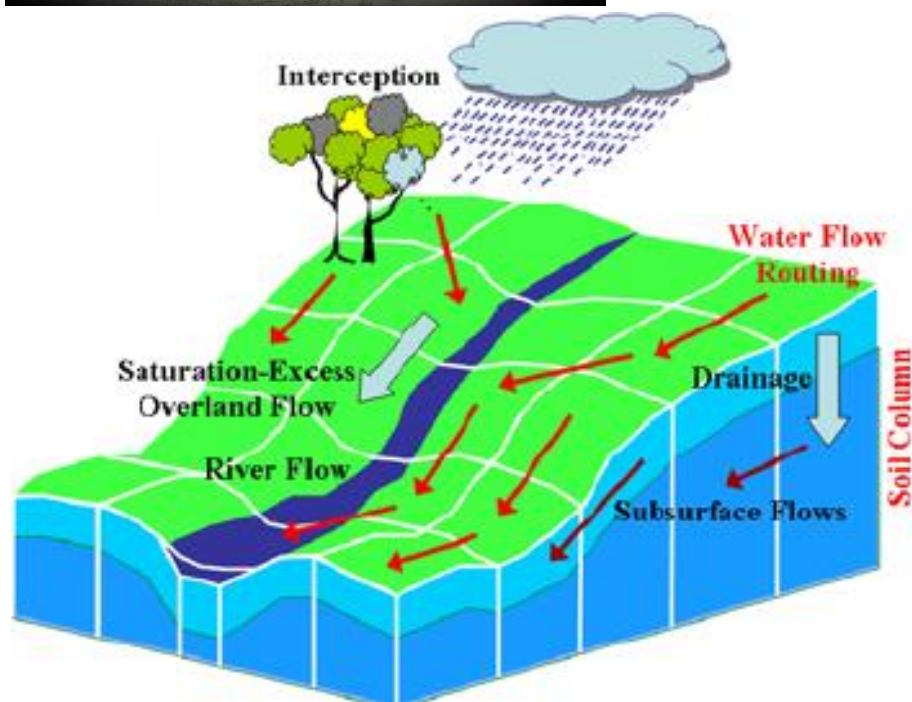
M.Tech/Ph.D: Hydrology /Water

Resources/other similar disciplines

(Require Basic Knowledge on Hydrology)

Online session Coordinator

Will be chosen from the list of registrants



Schedule of the module

Start Date: 9 December 2023

End Date: 17 December 2023

Class Timings: Saturday and Sunday (10:00-13:00
and 14:30-17:30)

Details of the content of the module

1. Introduction To R Programming

- i) Installation
- ii) Data Types
- iii) Basic Functions
- iv) Data Collection using R functions
- v) Data Pre-processing (QA)

2) Hydrologic Modelling With R

- i) Introduction to Hydrologic Modelling Packages in R
- ii) Calibration and Validation
- iii) Modelling Analysis With Topmodel
- iv) Interactive Plotting of Model Results with hydroTSM tool

The Course Will Focus on Application-oriented R Learning and Step-by-Step Coding Procedure.

Meeting link : Will be shared later

Contact email ID: issf.forum@gmail.com

Registration link: [Hydrological Modelling with R](#)