A Four-Day Introductory Workshop on SWAT Model
(Virtual Mode)
(As part of SPARC Research Project: Real Time Forecasting of Floods Using SWAT Model)
(05-08 April 2021)

Sponsored by:
Scheme for Promotion of Academic and Research Collaboration (SPARC), MoE, GOI

Organized by:
Department of Civil Engineering, NIT Warangal, India

Collaboration with:
Texas A&M University, USA

Preamble:
Scheme for Promotion of Academic and Research Collaboration (SPARC) is a Ministry of Education, (erstwhile MHRD), GOI initiative to improve research ecosystem in India. It supports national premier educational institutions by facilitating academic and research collaborations between Indian institutions and the best and selected institutions across the world’s 28 nations. The collaborative educational networks will work on common issue of national or international relevance. It encourages international faculty, Indian institution visits and long-term stays to teach courses and conduct workshops for the benefit of Indian researchers and students in the selected research area. Also, it funds Indian students to visit and access the premier laboratories worldwide for training and experimentation. As an outcome patents, monographs, and world-class publications will be produced.

About NIT Warangal and Department:
NIT Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students’ study on the campus. The Department of Civil Engineering was established as one of the major departments of NITW, in the year 1959. It offers B.Tech in Civil Engineering, M.Tech programs in seven specializations. The Department has strong Industry Interaction and is involved in various Research & Consultancy projects in coordination with industry, Governments of India, Telangana & Andhra Pradesh

Course Outline:
The following major topics will be covered in this introductory SWAT training course:
- SWAT Model Introductory Concepts
- Applications and case studies on SWAT model
- Hands-on experience on SWAT model

This course will be followed by another workshop in May 2021 for advanced users using SWAT cup dealing with uncertainty, auto-calibration, and sensitivity analysis.

Course Level: Postgraduate, Ph.D. scholars and Faculty of Civil Engineering and allied branches.

Course Instructor:
Prof. Raghavan Srinivasan
Professor & PI, SPARC Project (P270) AgriLife Research Texas A&M University, USA

Eligibility: The programme is open to the Faculty and Ph.D scholars/PG students of Civil Engineering and allied disciplines. Industry personnel working in the concerned/allied discipline can also attend. Minimum 75% attendance is mandatory for getting the participation E-Certificate of the event.

Registration Fee: There is no registration fee, interested candidates can register (on or before 2nd April, 2021) using the Google link form: https://forms.gle/8mNA5yShFM3MpKeLA

Selection Criteria: Selection will be done based on first-cum-first-serve basis and the confirmed candidates will be notified by email upon receipt of the registration. The maximum number of participants will be 100 (Hundred). All the selected candidates need to download and install QGIS and QSWAT in their laptop/desktop before starting of the workshop.

Coordinators:
Dr. K. Venkata Reddy, Associate Professor, PI
Prof. N. V. Umamahesh, Professor, Co-PI
Prof. Deva Pratap, Professor, Co-PI

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