Indo-US Online Workshop on Understanding the Hydrologic Extremes Under Changing Climate
(As part of SPARC Research Project: Real Time Forecasting of Floods Using SWAT Model)
(February 07-12, 2022)

Sponsored by: Scheme for Promotion of Academic and Research Collaboration (SPARC), MoE, GOI
Organized by: Department of Civil Engineering, NIT Warangal, India
Collaboration with: Virginia Tech, Blacksburg, 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 workshop on Understanding the Hydrologic Extremes Under Changing Climate
- Hydrologic Extremes and Climate Change Connections

- Basin scale hydrologic extremes analysis and modeling
- Hydrologic extremes management and adaptation strategies
- Data sources for hydrological extreme studies

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

Course Instructor:
Prof. Venkataramana Sridhar
Associate Professor & Co-PI, SPARC Project (P270)
Biological System Engineering, Virginia Tech, Blacksburg, 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.

Registration Fee: There is no registration fee, interested candidates can register (on or before 04 February, 2022) using the Google link form: https://forms.gle/ZXLP3XjCFdN84fck6

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).

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

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