



ONLINE CERTIFICATE COURSE

In-plant training for students of
B.Tech. (Agril. Engg)

Soil and Water Conservation and Watershed Management

Duration: One month (everyday two hrs: 3-5 PM)
(23rd August to 22nd September, 2021)

Course content

- Soil and Water Conservation (SWC)
- Watershed management
- Watersheds characterization
- Watershed hydrology
- Resource survey for watershed planning
- Use of minor instruments in watershed planning
- Mechanical measures for SWC
- Drainage line treatment
- Bio-engineering measures
- Groundwater recharge
- Soil erosion and runoff measurement and estimation
- Design and cost estimation of engineering structures
- Water harvesting and recycling
- Micro-irrigation systems
- Agronomical & agro-forestry interventions
- Integrated farming system
- SWC experimentation and demonstrations
- Impact analysis of SWC interventions
- RS & GIS for watershed planning and monitoring
- Rainfall chart and hydro-graph analysis
- Use of open source tools/data for watershed planning
- Determination of soil properties

Registration link

https://docs.google.com/forms/d/e/1FAIpQLScZA-wcRmsvWSKhGZrSH-x4U6CavLL_aLCP3DQX-HZ-5ohpBg/viewform?usp=sf_link

or

scan QR code



Course Director

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Essential requirements

1. **Eligibility:** 3rd or 4th year students of B. Tech. (Agril. Engg)
2. **Course fee:** Rs 3000/- per student (non-refundable)
3. **Minimum attendance in the training:** 80 %
4. **Submission of assignments:** 100 % on weekly basis

Note: Only soft copy of the certificate will be provided through e-mail.