HYDROLOGY LAB

Courses Covered:

1. CET-311-L-Hydrology

**DEPARTMENT OF CIVIL ENGINEERING
TECHNOLOGY**

**PUNJAB TIANJIN UNIVERSITY OF TECHNOLOGY,
LAHORE**

Course Title: CET-311-L-Hydrology

List of Experiments:

1. To measure daily evaporation using evaporation pan.
2. To measure daily minimum and maximum temperature.
3. To measure wind speed and direction using anemometer and wind vanes.
4. To measure relative humidity.
5. To measure rainfall depth of a storm event using non-automatic rain gauge.
6. To obtain rainfall hyetograph of a storm event using an automatic rain gauge.
7. To study the rainfall-runoff characteristics of a long duration single storm rainfall along with multiple storm rainfalls.
8. To study the effects of reservoir storage on runoff hydrograph.
9. To study the rainfall-runoff characteristics of an urban catchment.
10. To draw a drawdown curve for a single well in an unconfined aquifer pumping at a constant discharge.
11. To draw a drawdown curve for a single well in a confined aquifer pumping at a constant discharge.
12. To observe drawdown at the observation wells using water level indicator while investigating the pumping test of a tube well.
13. To perform an Open-Ended Lab.

List of Equipment's:

1. Weather Station (Quantity = 01).
2. Rain Gauge (Quantity = 01).
3. Anemometer (Quantity = 01).
4. Hygrometer (Quantity = 01).
5. Digital Thermometer (Quantity = 01).

Rain Gauge

Anemometer

Digital Thermometer

Hygrometer

Weather Station

Temperature and Humidity Meter