







# IE(I) STUDENTS' CHAPTER – CIVIL CHAPTER CODE: 388120/BVME/CV BIRLA VISHWAKARMA MAHAVIDYALAYA VALLABH VIDYANAGAR – 388120, GUJARAT

Chairman: Dr. S. D. Dhiman

Faculty guide: Prof. A. N. Bhavsar

Faculty Advisor: Prof. N. F. Umrigar

Report

on

"Spatio-Temporal assessment of flood and drought of a semi-arid part of middle Tapi basin, Gujarat, India."

Total number of students: 56

Date: 24th February 2024 (Saturday) Time: 11:00 AM to 01:00 PM Venue: C-231 (Seminar Hall)

# **DISTINGUISHED EXPERTS**

1. Dr. Sanjaykumar M Yadav (Professor, Civil Engineering department, SVNIT, Surat)

# **EVENT COORDINATORS**

- 1. Dr. S.D.Dhiman (Head of the civil engineering Department)
- 2. Prof. Neha Patel (Associate Professor, Civil Engineering department)

# IE(I) COORDINATORS

- 1. Prof. N. F. Umrigar (Assistant Professor)
- 2. Prof. Amit Bhavsar (Associate Professor)

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Faculty: 5

## **Program Objective:**

The entire session was conducted to enlighten the students about the scope and applications of GIS in predicting and measuring the flood and drought rate. It provided valuable insights into opportunities and prospects for students who are interested in the Remote sensing and Geomatics Engineering.

## **Description:**

The Civil Engineering Department, in collaboration with **IE(I)** Students' Chapter Civil, organized an enlightening expert session on "Spatio-Temporal assessment of flood and drought of a semi-arid part of middle Tapi basin, Gujarat, India." in C-231 (Seminar Hall) on 24<sup>th</sup> February 2024 from 11:00 am to 01:00 pm. The beneficiaries of this session were UG,PG and Ph.D students and faculties.

The session began with an Introduction of the expert given by the host, Saumya Patel. Subsequently, the detailed introduction regarding academic qualification and achievements of the expert Dr. S.M. Yadav sir was given by Dr. S.D. Dhiman. Furthermore, expert was felicitated by Dr. S.D. Dhiman with a sapling.

After the opening ceremony, Dr.S.M.Yadav presented a comprehensive presentation on the measurement of flood and drought in certain regions of Gujarat. He broadly explained the crucial issue of the people who are facing severe drought problems in their region and are not able to get a single time water for basic tasks. Additionally, he discussed the application of ArcGIS software in measuring the flood and drought rate in any region of India with the help of remote sensing images and GIS. In addition to it, he also thoroughly gave information regarding the application of this software in different fields, apart from drought, such as transportation, urban growth, town planning and many more civil engineering application. Finally, he provided enough opportunities to students to ask any doubts or queries, answering them in a friendly manner.

The students extend their heartfelt appreciation to the speaker for delivering an Insightful and engaging presentation. The speaker is hereby felicitated with this certificate in recognition of their outstanding contribution and impactful presentation as a token of appreciation.

The event was concluded by vote of thanks by Dr. S.D. Dhiman.

IE(I) Students' Chapter Civil is thankful to Principal Dr. Indrajit Patel, BVM alumni association, Head of Civil Engineering Department Dr. Sanjay Dhiman, Prof. Amit Bhavsar, Prof. N. F. Umrigar, Prof. Neha Patel for their constant support and encouragement.

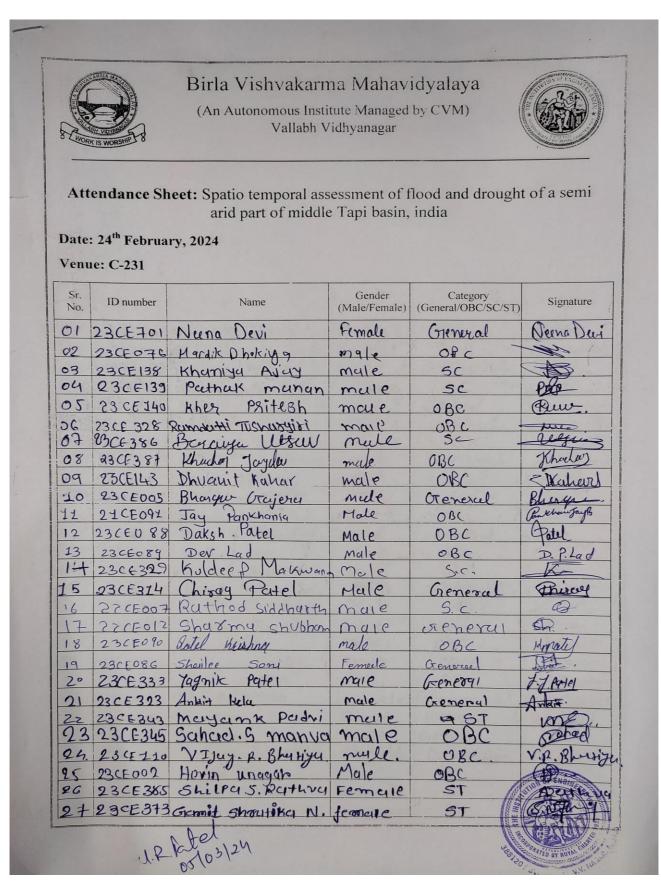
### **Outcomes:**

- Able to understand the significant problem of Drought in certain regions of Gujarat and Maharashtra.
- Gained knowledge of the application of GIS in different field of Civil Engineering, especially in drought and flood.
- Providing valuable insights into opportunities and prospects for students who are interested in Remote sensing and Geomatics engineering.

#### **Delineation:**



#### ATTENDANCE SHEET





# Birla Vishvakarma Mahavidyalaya

(An Autonomous Institute Managed by CVM) Vallabh Vidhyanagar



Attendance Sheet: Spatio temporal assessment of flood and drought of a semi arid part of middle Tapi basin, india

# Date: 24<sup>th</sup> February, 2024

Venue: C-231

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