



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

Faculty: 5

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)

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 24th 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: 24th February, 2024

Venue: C-231

Sr. No.	ID number	Name	Gender (Male/Female)	Category (General/OBC/SC/ST)	Signature
01	23CE701	Neena Devi	Female	General	Neena Devi
02	23CE076	Hardik Dhokiyg	male	OBC	
03	23CE138	Khanija Ajay	male	SC	
04	23CE139	Pathak munan	male	SC	
05	23CE140	Kher Pratebh	male	OBC	
06	23CE328	Rumadatti Tusharajibi	male	OBC	
07	23CE386	Beraiya Utsav	male	SC	
08	23CE387	Khachar Jayden	male	OBC	
09	23CE143	Dhavit Khar	male	OBC	
10	23CE005	Bhangar Gajera	male	General	
11	21CE092	Jay Pankhonis	Male	OBC	
12	23CE088	Daksh. Patel	Male	OBC	
13	23CE089	Dev Lad	male	OBC	
14	23CE329	Kuldeep Markwan	Male	SC	
15	23CE314	Chirag Patel	Male	General	
16	22CE007	Ruthod Siddharth	male	SC	
17	22CE012	Sharmy shubham	male	General	
18	23CE090	Patel Vishnu	male	OBC	
19	23CE086	Shailee Soni	Female	General	
20	23CE333	Yagnik Patel	male	General	
21	23CE323	Ankit Kela	male	General	
22	23CE343	Mayank Padvi	male	ST	
23	23CE345	Sahael. S. manva	male	OBC	
24	23CE110	Vijay. R. Bhuriga	male	OBC	
25	23CE002	Harin unagar	Male	OBC	
26	23CE385	Shilpa S. Rathva	Female	ST	
27	23CE373	Gemil Shrutika N.	female	ST	

U.R. Patel
05/03/24





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Sr. No.	ID number	Name	Gender (Male/Female)	Category (General/OBC/SC/ST)	Signature
28	23CE374	Vishwa K. Talpada	Female	OBC	<i>[Signature]</i>
29	23CE317	Munniben. G. dumar	Female	ST	<i>[Signature]</i>
30	23CE308	Joshi Siddharat B.	Male	General	<i>[Signature]</i>
31	23CE324	Dhairya. Mo Chariya	Male	SC	<i>[Signature]</i>
32	23CE305	KESHAV-N. SHARMA	male	General	<i>[Signature]</i>
33	23CE100	Kushwaha Shivam	male	General	<i>[Signature]</i>
34	23CE102	Kunzariya Kishan	male	OBC	<i>[Signature]</i>
35	23CE122	Shyammani Kumar	male	General	<i>[Signature]</i>
36	23CE121	Pratik Jethva	male	OBC	<i>[Signature]</i>
37	23CE067	RITIK GAUTAM	MALE	SC	<i>[Signature]</i>
38	23CE099	Runak Desai	MALE	OBC	<i>[Signature]</i>
39	23CE109	Avinash Babadiya	male	General	<i>[Signature]</i>
40	23CE107	Sindhav Jeet	male	OBC	<i>[Signature]</i>
41	23CE116	Ruthvi Rutvik	male	OBC	<i>[Signature]</i>
42	23CE349	Neel Rathor	Male	OBC	<i>[Signature]</i>
43	23CE365	Sneh Chaudhary	Male	ST	<i>[Signature]</i>
44	23CE364	Hrush Thakur	Male	General	<i>[Signature]</i>
45	23CE370	Jit Patel	Male	OBC	<i>[Signature]</i>
46	23CE351	Sanjana Baraiya	Female	OBC	<i>[Signature]</i>
47	23CE348	RAJ CHAVDA	Male	OBC	<i>[Signature]</i>
48	23CE362	VRUNDA JOSHI	Female	General	<i>[Signature]</i>
49	23CE380	Daarshani Desai	Female	General	<i>[Signature]</i>
50	23CE376	J Venkatesh A	Male	General	<i>[Signature]</i>
51	23CE128	Pallavi Kumari	Female	General	<i>[Signature]</i>
52	23CE085	Krupa Patel	Female	OBC	<i>[Signature]</i>
53	23CE041	Ameri Gurnit	Female	ST	<i>[Signature]</i>
54	23CE038	Jiya Patel	Female	ST	<i>[Signature]</i>

N.R. Patil
05/03/24



