



SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT AND GRAMOTHAN, JAIPUR

Department of Civil Engineering

REPORT: SURVEY CAMP 2021-22

Survey Camp for B.Tech. II year III semester students of Civil Engineering Department was conducted from March 3, 2022, to March 10, 2022, at Sewad Mata Temple, Puth ka bass near Chandwaji, on NH-08 highway.



The students performed various exercises of **Topography survey, Profile Levelling, Contouring, Tachometric Survey, Trigonometry survey, and Plane table survey** during the camp tenure. Initially, they did a reconnaissance survey of the area to be surveyed. The students performed the activities using total station, digital theodolite, vernier theodolite, auto level and other minor instruments. All the students were divided into different groups and completed the assignments in two

phases. After performing the activities, the students learned how to analyze the data collected in specific formats. Then the CAD drawings for each activity were prepared by the students. Apart from all the technical exercises, the student learned teamwork and management skills as they were divided into 8 different groups with each group having a group leader and instrument in charge. The remaining members of the groups were also responsible for other activities.

Schedule of Activities:

| 3 | | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 | Group 6 | Group 7 | Group 8 |
|-------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| Date | Session | | | | | | | | |
| DAY1 | FN | TP-T | TL | PL | TP-R | TAS | ATS | C | PT |
| | AN | TL | PL | TP-R | TAS | ATS | C | PT | TP-T |
| DAY2 | FN | PL | TP-R | TAS | ATS | C | PT | TP-T | TL |
| | AN | TP-R | TAS | ATS | C | PT | TP-T | TL | PL |
| DAY3 | FN | TAS | ATS | C | PT | TP-T | TL | PL | TP-R |
| | AN | ATS | C | PT | TP-T | TL | PL | TP-R | TAS |
| DAY4 | FN | C | PT | TP-T | TL | PL | TP-R | TAS | ATS |
| | AN | PT | TP-T | TL | PL | TP-R | TAS | ATS | C |

ABBREVIATION:

| | | |
|---|-----------------------------------|------------|
| 1 | Topography- Temple | TPT |
| 2 | Trigonometric Levelling | TL |
| 3 | Profile Levelling | PL |
| 4 | Topography-Road intersection | TPR |
| 5 | Tacheometric Survey | TAS |
| 6 | Area Measurement by Total Station | ATS |
| 7 | Contouring | C |
| 8 | Plane Table or Advance equipment | PT |

List of Groups For section A 2nd year

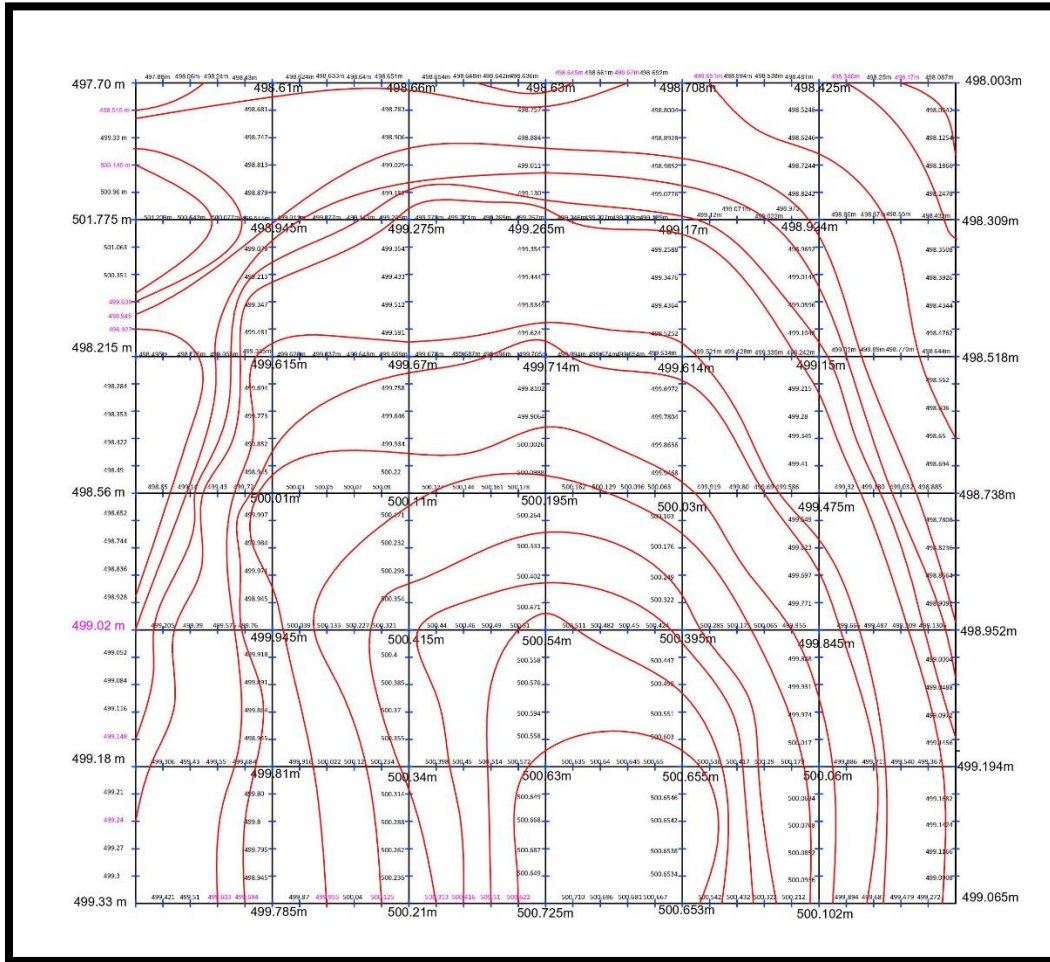
| | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 | Group 6 | Group 7 | Group 8 |
|---|-------------------|-----------------|--------------------|------------------|-----------------|------------------|---------------|-------------------|
| 1 | Dharmik | Gaurav Pooniya | Komal | Kunal Sharma | Kritika | Arvind | Ankit | Kanak |
| 2 | Maahi | Manisha | Gaurav Sharma | Aditya | Ajay Meena | Avdesh | Dil kush | Aman Jain |
| 3 | Anirudh pal | Deepak Meema | Arpit gothwal | Manish sattavan | Kunnal Meena | Arvan Choudhary | Anupam meena | Abhishek Sharma |
| 4 | Kunnal Solnaki | Hemant | Mahil meel | Kalpna | Khem chand | Divya | Archna | Akansha |
| 5 | Kushagra | Kanishak sharma | Abhishek choudhary | Libin | Kanishak Raj | Amit | Ankesh | Hardik sharma |
| 6 | Satvik | Indrajeet Degi | Dhanraj | Anil | kuldeep | Manjeet bijrania | Aman Kr Meena | Manish Kumar |
| 7 | Abhishek bansal | Himmanshu Meena | Hridesh | Kartik Choudhary | Manish dhanwant | Ashish | Bharta lodwar | Gaurav Meena |
| 8 | Abhinandan Sharma | Arpit anjana | Devesh Kr Dhakad | jay | Aman Sharma | Manjeet Suman | Bhanu Pratap | Kamlesh Choudhary |
| 9 | | | | Kunal Bansiwal | | | | |

List of Groups For section B 2nd year

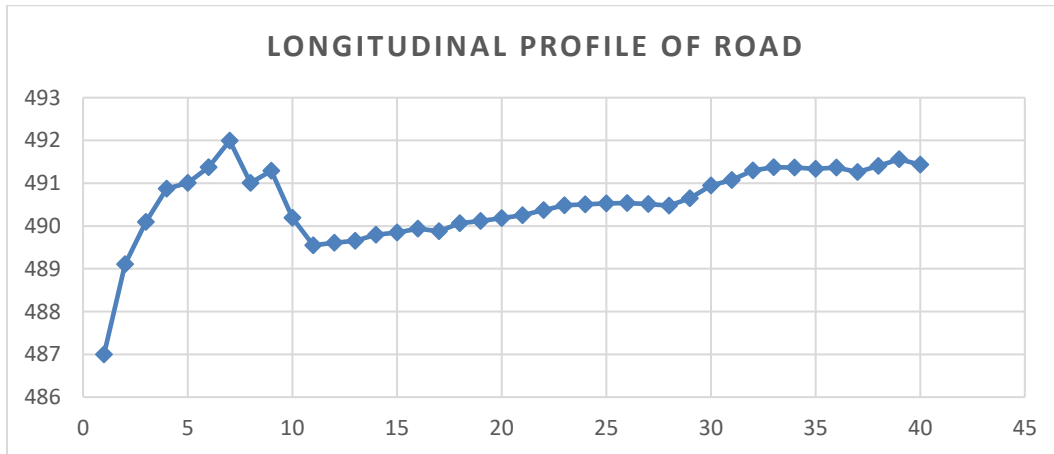
| | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 | Group 6 | Group 7 | Group 8 |
|---|--------------------|--------------------|---------------------|---------------------|-----------------------|-----------------|-----------------------|------------------|
| 1 | Navneet singh | Moheet Alam | Udit kumar soni | Prafful choudhary | Varun Kumar Meena | Vansh Choudhary | ROHIT LAMBA | Vishal Bansiwal |
| 2 | Vishnu kant bairwa | Tushar kumar Verma | Rahul Choudhary | Toshika Parashar | Vijay Kumar Bijarniya | Neeraj Derwal | Shreyans chotiya | Vinod Dewasi |
| 3 | Vijayshree meena | Nikit Lamror | Vivek Choudhary | Abhishek Sharma | Ritik Sharma | Monil Goyal | Nikita Choudhary | Navdeep Jarwal |
| 4 | Rahul Meena(96) | Suryansh Meena | Saheb Balkhi | Nitesh Kumar mishra | Rohit Godara | Saksham Gupta | Abhishek Sharma | Sakshi Agarwal |
| 5 | Rahul meena(97) | Mohit Choudhary | Sachin Meena | Siddharth manvatal | Neha Meena | Rahul Sherawat | Suriyansu Sharma | Yuvraj Choudhary |
| 6 | Rahul meemrot | Pratesh | Tarun prakash Saini | R S laxman | Ankit Rajwania | Mitali Saini | Virendra Singh | Prakhar Chauhan |
| 7 | Shashank Verma | Aryan Verma | Pragya goyal | Niranjan meena | Sailesh Mathur | Ashok Jat | Rishi parakash sharma | Soham Sharma |
| 8 | Nitin Agarwal | Vipresh Sharma | 8 vishal kumar | Prakhar pareek | Prashant Meena | Yash Jangid | | Sumit Kumar |

GRAPHS AND MAPS PREPARED BY THE STUDENTS

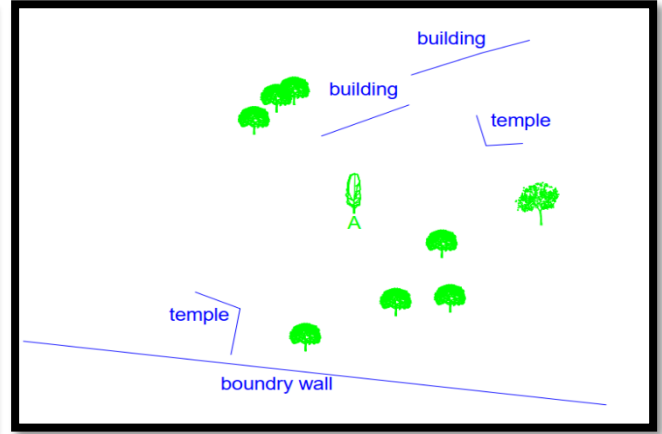
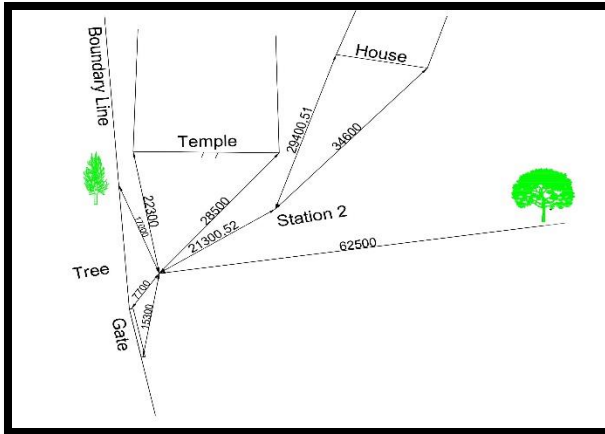
1. COUNTER MAP by Group 6 (2nd Year Sec A)



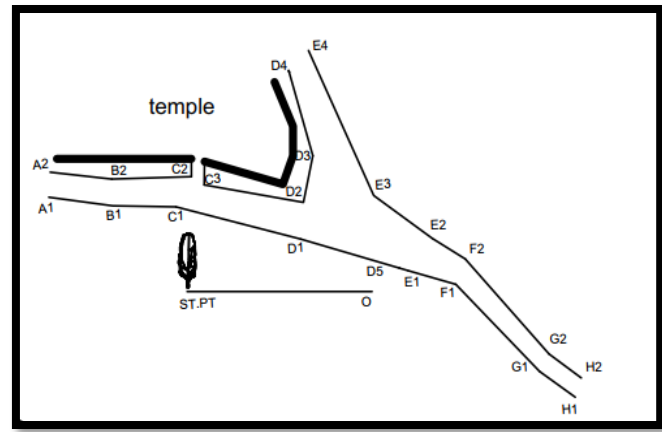
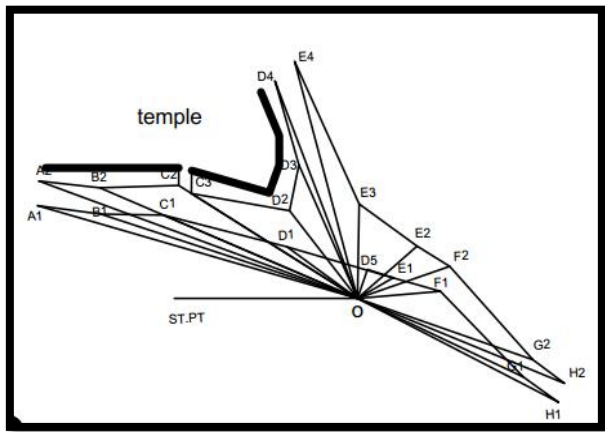
2. Profile of village road (from temple to T3) by Group 3 (2nd year Sec A)



3. Topographic Map of Temple by Group 8 (2nd year Sec A)



4. Topographic Map of Road intersection by Group 8 (2nd year Sec A)



5. Reduce Level of different Station Points by Group 6 (2nd Year Sec A)

| Sr. No. | Name of Station | Reduced Level (m) |
|---------|---------------------------------------|-------------------|
| 1. | RL of First Station Profile levelling | 487 m |
| 1. | RL of Last Station Profile levelling | 488.46 m |
| 2. | RL of Station T3 | 517.728 m |
| 3. | RL of Station T2 | 546.955 m |
| 4. | RL of Station T1 | 503.665 |
| 5. | RL of Center Station C | 503.25 m |



Satellite Map of Survey Camp Site with the RL of different Stations

Glimpse of Survey Camp





A handwritten signature in blue ink, appearing to read 'Ankur Mishra'.

Ankur Mishra
Survey Camp Coordinator