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**DBT Star College Scheme**

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**ACTIVITY REPORT**

1. **Name of Department:-** Geography
2. **Duration of Report:-** June2018 – March 2019
3. **No. of Participating students:-** 80

Information of regular Faculty in Department

Sr. No.	Full name of faculty	Qualification	Specialization	Contact No.	Address
01	Dr. Rajesh V. Wagh	M.Sc., NET, PhD	Geomorphology	9860330970	'Sawali Niwas', Kharwandi Road, Sonai, Tal. Newasa, Dist. Ahmednagar , PIN-414105
02	Mr. Shoukat Z. Fakir	M.A. NET(CSIR,UGC) SET	Climatology	9673732686	At/Po. Pagori-Pimpalgaon, Tal. Pathardi , Dist. Ahmednagar , PIN-414102
03	Mr. Sharad K. Auti	M.A. NET	Economic Geography	9604136722	At. Watapur, Po. Tamaswadi, Tal. Newasa, Dist. Ahmednagar , PIN-414602
04	Mr. Amol S. Darandale	M.A. NET, SET B.Ed.	Economic Geography	9579531431	At/Po. Sonai, Tal. Newasa, Dist. Ahmednagar , PIN-414105
05	Mr. Rameshwar D. Jadhav	M.A. B.Ed.	Climatology	8888225726	At. Shiregaon, Po. Khedale-parmanand Tal. Newasa, Dist. Ahmednagar , PIN-414105
06	Mr. Rahul G. Nipunge	M.A.	Economic Geography	9561775281	At/Po. Mukindpur, Tal. Newasa, dist. Ahmednagar 414603

**Descriptive Report:**

**This is the brief annual report of academic year 2018- 19 by department of Geography ACS College sonai.**

**A. LIST OF PRATICALS**

In this Academic Year 2018-19 under DBT Star College Scheme Department of Geography taken following programmes i.e. workshops, Seminars, hands on training, lectures and practicals as below.

1. Basic concepts of GIS.
2. Application of GIS
3. Maps and Maps Scale
4. Introduction to surveying
5. Plane table survey (Theory and Practical)
6. Prismatic Compass Survey (Theory and Practical)

7. Dumpy level Survey (Theory and Practical)
8. GIS and Georeferencing
9. GIS and Projections
10. Surveying with GPS (Theory and Practical)
11. Global Mapper Software

## **B) OUTCOME OF THIS TRAINING:**

### **1. Geographic Information Systems Learning Outcomes**

Completion of the course, students are able to:

1. Understand the all fundamental concept of GIS, potential of GIS, concept of space &time, objectives of GIS, elements of GIS, GIS tasks, history of GIS and GIS applications in different field.
2. To examine and understand the spatial and non spatial data models and all its functions components and applications in geography.
3. Extract the knowledge and information about geospatial analysis and database query and GIS data analysis the various concept and problems in analysed in GIS environment.
4. Understand the concept of map, projections, and coordinate systems and basic of the same for different purposes in geography.
5. GIS applied in the various kinds of fields, agriculture, populations, watershed planning and land use planning

### **2. Learning Outcome of surveying:**

On completion of the Practical, the students will be able to:

1. Use conventional surveying tools such as chain/tape, compass, plane table, level in the field of Geographical applications such as measuring area plotting and soil profiling
2. Apply the procedures involved in field work and to work as a surveying team
3. Plan a survey appropriately with the skill to understand the surroundings
4. Take accurate measurements, field booking, plotting and adjustment of errors can be understood
5. Plot traverses / sides of building and determine the location of points present on field on a piece of paper.

### **3. GIS and Georeferencing:** by studying this skill it is following outcomes

A Geographic Information System (GIS) is a computer-based tool for integrating and analyzing geographic or spatial data. GIS allows users to combine important geographic attributes (for example, streets, zip codes, and program locations) with other types of data (for example, neighbourhood demographic data, program participant characteristics, and program outcome measures). In turn, users can visualize this information in map form to identify patterns or relationships. Users can also manipulate GIS's statistical tools to detect significant

geographic trends and patterns. In sum, geospatial analysis allows users to visually and statistically detect relevant geographic and spatial phenomena that may remain unnoticed through more traditional analytic approaches.

**4. Dumpy Level and Surveying (Theory and Practical):**

1. Dumpy level is easy to use.
2. Adjustments can be made as per the requirement on any type of ground.
3. Level readings are very accurate in case of dumpy level.
4. Optical power is high for dumpy level.
5. Price of dumpy level is cheap when compared to other instruments.

**5. Surveying with GPS (Theory and Practical)**

1. GPS is a highly accurate navigation system using signals from satellites to determine a location on the Earth’s surface, irrespective of weather conditions.
2. It is dependent on GPS satellites high above the Earth which transmit signals containing the time and location of the satellite. Any ground-based receiver which receives signals from four or more GPS satellites can use navigation equations to calculate its location on the Earth’s surface.
3. Constant signaling can then update speed and direction information for moving receivers.
4. GPS was originally developed for military use but since the 1990s has been open for civilian use and is now used in such common applications as mobile phones, car navigation systems, and of course surveying and mapping.

**6. Global Mapper Software:**

**Learning objectives**

Upon completion of the course, the participant(s) should have been well equipped to perform the following:

1. Create and convert data in Global Mapper
2. Digitize and edit vector data
3. Thematic map and display
4. Image and raster data processing
5. 3D data analysis
6. Terrain analysis

List of Students Who have Specialisation other than Geography and are admitted to DBT Star Scheme at Geography Department.

S.N.	Name of Student	Class	Contact no.
1.	Auti Sagar Nivruti	S.Y.B.A (Hindi)	7709409785
2.	Bankar Rupali Bhausahab	S.Y.B.Sc	7972800440

3.	Bankar Sachin Nanasaheb	S.Y.B.A (Politics)	9503096035
4.	Bansode Swati Eaknath	S.Y.B.Sc (Maths)	9511820222
5.	Bembale Aniket Subhash	S.Y.B.Sc (Maths)	8329608916
6.	Bhand Shabhaum Babusaheb	S.Y.B.A (English)	8412853102
7.	Dahatonde Komal Bhausahab	S.Y.B.Sc (Physics)	8669746934
8.	Darade Bhakti Lahu	S.Y.B.A( History)	9011972369
9.	Darade Shubhangi Babasaheb	S.Y.B.A (History)	9623174969
10.	Dhokane Dnyeshwari Bhausahab	S.Y.B.A( History)	9922297072
11.	Dhonde Gayatri Ganesh	S.Y.B.A (Hindi)	096343698
12.	Funde Pandurang Gahininath	S.Y.B.Sc ( Maths)	7447854202
13.	Gadhakh Pooja Dattatry	S.Y.B.A (Histoty)	7744880795
14.	Hon Ravindra Muktaji	S.Y.B.A (History)	8888629687
15.	Inamdar Nasrin Arshad	S.Y.B.A (Politics)	9622719112
16.	Jadhav Ajay Mandanlal	S.Y.B.A (Hindi)	9511651749
17.	Jadhav Mahesh Ashok	S.Y.B.A (English)	7040125456
18.	Kale Shubhum Gokul	S.Y.B.A (English)	9834262044
19.	Khedkar Deepak Babasaheb	S.Y.B.Sc( Physics)	9975225377
20.	Mane Priyanka Raju	S.Y.B.A (English)	9921761395
21.	Nahar Aishwraya Vilas	S.Y.B.A( Politics)	7028092015
22.	Tandale Yogesh Ravindra	S.Y.B.Sc( Physics)	8600139051
23.	Vaman Manisha Balasaheb	S.Y.B.A (Hindi)	9325760402
24.	Virager Sonali Phrabhakar	S.Y.B.A (Politics)	9665269877
25.	Wagh Ambika Sashikant	S.Y.B.A (Histoty)	9096462573
26.	Yelwande Akanksha Rajendra	S.Y.B.A (English)	9960375035

#### 4) List of Lectures / workshop taken/arranged:

S.N	Date	Time/ Duration	Name of Coordinato r	Speaker/Experts				No of Participants			
				Name	Designation	Contact No	Institute	Teacher s		Students	
								M	F	M	F
01	16 <sup>th</sup> July 2018	11am to 01pm	Dr. R.V. Wagh	Mr. S.K. Auti	Assistant Professor	9604136722	ACSC Sonai	3	--	22	30
02	17 <sup>th</sup> July 2018	11am to 01pm	Mr. S.K. Auti	Dr. R.V. Wagh	Assistant Professor	9860330970	ACSC Sonai	3	--	22	30
03	18 July 2018	11am to 01pm	Mr. S.Z.Fakir	Mr.R.G. Nipunge	Assistant Professo	9561775281	ACSC Sonai	3	--	32	41
04	24 <sup>th</sup> July 2018	11am to 01pm	Dr.R.V. Wagh	Mr. S.K. Auti	Assistant Professor	9604136722	ACSC Sonai	3	--	24	34
05	25 <sup>th</sup> July 2018	11am to 01pm	Mr. S.Z. Fakir	Dr.R.V. Wagh	Assistant Professor	9673732686	ACSC Sonai	2	--	30	36

06	26 July 2018	11am to 01pm	Mr. S.Z.Fakir	Mr.R.G. Nipunge	Assistant Professo	9561775281	ACSC Sonai	3	--	31	42
07	31 <sup>st</sup> July 2018	11am to 03 pm	Dr.R.V. Wagh	Mr. S.Z.Fakir	Assistant Professor	9860330970	ACSC Sonai	3		33	41
08	6 <sup>th</sup> Aug. 2018	11am to 01pm	Mr. S.K. Auti	Mr. Amol Darndale	Assistant Professor	9579531431	ACSC Sonai	3	--	28	35
09	7 <sup>th</sup> Aug. 2018	11am to 01pm	Mr. S.Z. Fakir	Dr.R.V. Wagh	Assistant Professor	9673732686	ACSC Sonai	3	--	36	42
10	8 <sup>th</sup> August 2018	11am to 03 pm	Mr. S.K. Auti	Mr.R.G. Nipunge	Assistant Professor	9561775281	ACSC Sonai	3	--	29	38
11	13 <sup>th</sup> Aug. 2018	11am to 03 pm	Dr.R.V. Wagh	Mr. S.Z. Fakir	Assistant Professor	9860330970	ACSC Sonai	3		32	47
12	27 <sup>th</sup> Aug. 2018	11am to 03 pm	Dr.R.V. Wagh	Mr. S.Z. Fakir	Assistant Professor	9860330970	ACSC Sonai	3		33	43
13	4 <sup>th</sup> Sept. 2018	11am to 01pm	Mr. S.Z. Fakir	Mr. S.K. Auti	Assistant Professor	9673732686	ACSC Sonai	3	--	31	41
14	11 <sup>th</sup> Sept 2018	11am to 03 pm	Mr.R.G. Nipunge	Mr. S.Z. Fakir	Assistant Professor	9561775281	ACSC Sonai	3	--	34	44
15	15 <sup>th</sup> Sept. 2018	11am to 01pm	Mr.R.G. Nipunge	Mr. Amol Darndale	Assistant Professor	9579531431	ACSC Sonai	3	--	33	41
16	17 <sup>th</sup> Sept. 2018	11am to 01pm	Mr. S.K. Auti	Dr.R.V. Wagh	Assistant Professor	9673732686	ACSC Sonai	3	--	31	45
17	18 Sept. 2018	11am to 01pm	Mr. S.Z.Fakir	Mr.R.G. Nipunge	Assistant Professo	9561775281	ACSC Sonai	3	--	33	43
18	24 <sup>th</sup> Sept 2018	11am to 01pm	Mr. S.Z. Fakir	Mr. S.K. Auti	Assistant Professor	9673732686	ACSC Sonai	3	--	33	43
19	13 <sup>th</sup> Oct.2018	11am to 01pm	Mr. S.Z.Fakir	Mr. Amol Darandale	Assistant Professor	7020584078	ACSC Sonai	3	--	26	35
20	15 <sup>th</sup> Oct.2018	11am to 01pm	Mr. S.Z. Fakir	Dr.Wagh R.V.	Assistant Professor	9860330970	ACSC Sonai	3	--	34	40
21	16 <sup>th</sup> Oct.2018	11am to 01pm	Mr. S.K. Auti	Mr. Jadhav R.D	Assistant Professor	8888225726	ACSC Sonai	3	--	25	37
22	17 <sup>th</sup> Oct. 2018	11am to 01pm	Mr. S.Z. Fakir	Mr. S.K. Auti	Assistant Professor	9673732686	ACSC Sonai	3	--	34	41
23	18 <sup>th</sup> Oct.2018	11am to 01pm	Dr.R.V. Wagh	Mr. S.Z. Fakir	Assistant Professor	9673732686	ACSC Sonai	3	--	28	37
24	15 <sup>th</sup> Dec.2018	11am to 01pm	Mr. S.Z.Fakir	Mr. Amol Darandale	Assistant Professor	7020584078	ACSC Sonai	3	--	24	34
25	17 <sup>th</sup> Dec.2018	11am to 01pm	Mr. S.Z. Fakir	Dr.Wagh R.V	Assistant Professor	9860330970	ACSC Sonai	3	--	32	39
26	18 <sup>th</sup> Dec.2018	11am to 01pm	Mr. S.Z.Fakir	Mr. Jadhav R.D	Assistant Professor	8888225726	ACSC Sonai	3	--	26	37
27	19 <sup>th</sup> Dec. 2018	11am to 01pm	Mr. S.Z. Fakir	Mr. S.K. Auti	Assistant Professor	9673732686	ACSC Sonai	3	--	28	39
28	20 <sup>th</sup> Dec.2018	11am to 01pm	Dr.R.V. Wagh	Mr. S.Z. Fakir	Assistant Professor	9673732686	ACSC Sonai	3	--	26	36
29	14 <sup>th</sup> Jan.2019	11am to 01pm	Mr. S.Z.Fakir	Mr. Amol Darandale	Assistant Professor	7020584078	ACSC Sonai	3	--	27	38
30	15 <sup>th</sup> Jan.2019	11am to 01pm	Mr. S.Z. Fakir	Dr.Wagh R.V	Assistant Professor	9860330970	ACSC Sonai	3	--	30	38
31	16 <sup>th</sup> Jan.2019	11am to 01pm	Mr. Amol Darandale	Mr. Jadhav R.D	Assistant Professor	8888225726	ACSC Sonai	3	--	27	37
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34	14 <sup>th</sup> Feb.2019	11am to 01pm	Mr. S.Z.Fakir	Mr. Amol Darandale	Assistant Professor	7020584078	ACSC Sonai	3	--	26	35
35	15 <sup>th</sup> Feb.2019	11am to 01pm	Mr. S.Z. Fakir	Dr.Wagh R.V	Assistant Professor	9860330970	ACSC Sonai	3	--	29	37
36	16 <sup>th</sup> Feb.2019	11am to 01pm	Mr. S.K. Auti	Mr. Jadhav R.D	Assistant Professor	8888225726	ACSC Sonai	3	--	26	35
37	18 <sup>th</sup> Feb.2019	11am to 01pm	Mr. Amol Darandale	Mr. S.K. Auti	Assistant Professor	9604136722	ACSC Sonai	3	--	27	38
38	20 <sup>th</sup> Feb.2019	11am to 01pm	Dr.R.V. Wagh	Mr. S.Z. Fakir	Assistant Professor	9673732686	ACSC Sonai	3	--	28	35

### 5) List of practicals arranged:

#### Guest Faculty Invited

Sr. No.	Name of Guest	Designation	Host Institute/ Address	Date of Visit	Topic of Lecture/ Practical
01.	Dr. Babasaheb Kacharu Wani	Assistant Professor	A.C.S. College Satral.	15/02/2019	Basic concept of Geographical Information System (GIS) and Dumpy level surveying practical
02.	Mr. Madhav Shridhar Jadhav.	Assistant Professor	Ahmednagar College, Ahmednagar.	05/03/2019	Basic concept of Remote Sensing, operating of Google earth pro software and GPS surveying practical
03.	Dr. Raghunath Eknath Najan	Assistant Professor	New Arts Commerce and Science college, Parner	02/03/2019	Maps and maps scales theory and prismatic and plane table surveying practicals
04.	Mr. Sandip Pawar.	Software Trainer.	Schell Informatics Pune	1102/2019 12/02/2019	Trainer for Global Mapper software

### 6) Tour/Visit to industry/institution/research center:

One day field visit to Survey of India, Pune, Shimla Office' Pune, Department of Geography Savitribai Phule Pune University, Department of Geology , IUCAA, Pune. The total 42 Students and 05 faculty members were participated in this visit.

There is great importance for the educational tour in the Geography discipline. In every academic year the department organise educational tours. In this academic year our department organised the educational tour on the occasion on "National Science Day" on 28<sup>th</sup> February at Pune. We are going to submit the following brief report as follows.

- 1) This was a one day tour, which was organised under "DBT Star College Scheme", in which S.Y.B.A/ B.Sc. and T.Y.B.A student was participated.
- 2) There were five faculty members' involved three gents & two ladies. In which three were from Geography department and rest of two were from department of Chemistry and Beauty Culture.
- 3) We arrived our journey at 5.00 am in the early morning.
- 4) Route of this trip was Sonai – Ahmednagar - Pune which was about 200 Km.
- 5) At first we reach to Survey of India's regional centre in Pune. This research institute known for advanced cartography, map making and surveying. We also observed the old & advanced surveying instruments. Besides, there was also an excellent exhibition on history and advancement of SOI.

In the campus of SOI we had our mid-day meal.

- 6) Our next study center was Indian Meteorological Department which is popularly known as the 'Shimla Office'. There was also a nice science exhibition. The officer and scientist had given good information on various weather instruments and weather charts. In addition to that we also interact and

discuss the concepts of El-Nino and La-nina ocean currents and their effect on Indian Monsoon. We also observed the old weather instruments & understood computer based weather map analysis and weather map report.

7) Geography Department of Savitribai Phule Pune University is one of the pioneer departments in India. This department was established in 1950. Our students have seen the exhibition organised by. Dr. Jaybhaye HOD, Dr. Sudhakar Pardeshi, Dr. Veena Joshi, Dr. A.M. Kandekar and Dr. Amit Dhorde guided our student. Our students made a resolution to take an admission to this department for post graduation. Near to department of geography, there is Geology dept. There was also a science day exhibition. We observed the rock museum. This Museum is one of the best museums in India for different minerals and rocks.

8) IUCAA, Pune is one of the advanced research center of the central Government of India, which is established for Astronomy and Astrophysics. There was a statue of ancient Indian and western personalities likes Aryabhata, Bhashkaracharya, Sir Issac Newton and Einstein .There was also a great exhibition. In the Chandrashekar Auditorium we attended experts lecture also.

At also visited Shaniwarwada and seen its architecture at evening. The Peshwas of this *wada* ruled the whole India in the period of 1750. It is great historical glory of Medieval Indian history.

9) We came back to Sonai at night 11.00 pm.

### 7) Training to the faculty/students

Sr. No.	Title of training programme	Venue	Date	Faculty participated
1	National workshop on 'Open Source GIS'	Dept. of Geography Savitribai Phule Pune University Pune	10-15 December 2018	1. Dr. Rajesh V. Wagh 2. Mr. Sharad K. Auti
2	GPS Survey and Environmental studies through Trekking at Rajgad Fort	Modern College of Arts, Science and Commerce and BOS department of Savitribai Phule Pune University Pune	11 <sup>th</sup> and 12 <sup>th</sup> February 2019	1. Mr. Pravin Bandu Gaikwad 2. Mr. Amol Shivaji Vane

### Student's participation in exhibition activities

S.Y.B.A./B.Sc. and T.Y.B.A. students participated in Dept. of Geography organized the instruments exhibition and explained to other student

With the view of to improvement the scientific awareness in the rural students, department of Geography conducted Exhibition of Scientific instruments on 21<sup>th</sup> Feb. at department of Geography with the theme " SCIENCE FOR PEOPLE AND PEOPLE FOR SCIENCE".

During the science exhibition Department students gives the information about new instruments purchased under DBT Star College Scheme to the students of deferent Departments of the college and also students Mula Public school, and the teaching faculty also benefited by it.

Following instruments were put in the exhibition.

1. Plane Table surveying Instrument.
2. Prismatic Compass survey Instrument.

3. Dumpy Level
4. Theodolite instrument
5. Telescope
6. Weather instrument as- Thermometer. Barometer, Hygrometer, Wind vane, Cup Anemometer etc.
7. Maps and Chart- Toposheet series, Weather Chart, Regional world Map and Indian Maps
8. Landform models etc.

OUTCOME: due to this exhibition, school and College level student understand the basic uses of Deferent scientific instruments.

### 8) Details of Equipment purchased from DBT Grant

The following equipments are purchased under DBT Star College Scheme

Sr. No.	Name of Item	Nos./ Quantity	Cost in Rs.	Company	Date of Purchase	Installation Report
01	Global Mapper GIS Software Ver.19.1	07	3,00,000/-	Schnell Informatics	21-01/2019	Working
02	Computers set	07	3,50,000/-	Spectrum Sales and Services.	29-11-2018	Working
03	Plane Table complete Set	01	7,500/-	Balaji Enterprises, Newasa	22-01-2019	Working
04	Prismatic Compass	04	11,440/-	Balaji Enterprises, Newasa	22-01-2019	Working
05	Satellite Images colored	02	27,288/-	Balaji Enterprises, Newasa	22-01-2019	Working
06	Ranging Rod 2Mts.	40	9,860/-	Balaji Enterprises, Newasa	22-01-2019	Working
07	Vernier Transit Theodolite	02	34,848/-	Balaji Enterprises, Newasa	22-01-2019	Working
08	GPS Oregon- 750	01	39,424/-	Balaji Enterprises, Newasa	22-01-2019	Working
09	Curvimeter ( Rotometer)	03	2,904/-	Balaji Enterprises, Newasa	22-01-2019	Working
10	Measuring Tape	03	2,560/-	Balaji Enterprises, Newasa	22-01-2019	Working
Total CGST 9% = 12,224/- CGST 9% = 12,224/-						
<b>Grand Total: 8,10,272/-</b>						

### 9) List of Books

Sr. No.	Name of Book/ Journal	Publisher	Date of Purchase	Amount
01	Dursanvedan ani Bhugolik Mahiti Pranli - Karlekar S	Diamond Publication- pune	12/03/2019	4162.50
02	Bhugolik Mahiti Pranali- Karlekar S	Diamond Publication- pune	12/03/2019	2775.00
03	Bhugol Shastratil Sankhyashastriya Paddhati- Karlekar S	Diamond Publication- pune	12/03/2019	1734.38
04	Dursanvendan- Karlekar S	Diamond Publication- pune	12/03/2019	2428.13



05	Statistical Analysis of Geographical Data- Karlekar S.	Diamond Publication- pune	12/03/2019	3468.75
06	Textbook of Remote Sensing and GIS- Reedy Anjuli	B.S. Publication Hydrabad.	12/03/2019	601.25
07	Introduction to Geography- Bergman E .F	Dorling Kindersley Delhi	12/03/2019	735.38
08	Dimensional Earth Discovery-3- Cannolly Sean	Marshal I Publication London	12/03/2019	550.38
09	surveying and Leveling- Rangwala	Choritar P - Gujrat	12/03/2019	277.50
10.	Earth from Space - Johnston	Fire fly books Ontario	12/03/2019	2055.35
11.	Principles of Geographical Information System - Burrough	Oxford University Press, Noida	12/03/2019	475.38
12	Cartography Site Analysis With Microcomputers- Brito Mutunayagam	Van-nostrand Reinold	12/03/2019	2947.05
13	GIS Tutorial with CD- Allen	ESRI Press California.	12/03/2019	5487.10
<b>Total</b>				<b>27699/-</b>

#### 10) List of new Practicals/demonstrations introduced in last one year

Sr. No.	Name of new practical	Beneficiary/ Target group
01	Basic concepts of GIS.	S.Y.B.A./B.Sc. and T.Y.B.A.
02	Application of GIS	S.Y.B.A./B.Sc. and T.Y.B.A
03	GIS and Georeferancing	S.Y.B.A./B.Sc. and T.Y.B.A
04	GIS and Projection	S.Y.B.A./B.Sc. and T.Y.B.A
05	Introduction of Dumpy Level	S.Y.B.A./B.Sc. and T.Y.B.A
06	Dumpy Level and Surveying (Theory and Practical)	S.Y.B.A./B.Sc. and T.Y.B.A
07	Surveying with GPS (Theory and Practical)	S.Y.B.A./B.Sc. and T.Y.B.A
08	Global Mapper Software	S.Y.B.A./B.Sc. and T.Y.B.A
09	Plane Table Survey	S.Y.B.A./B.Sc. and T.Y.B.A

#### 11) List of Projects undertaken by Students

Sr. No.	Name of Student	Class	Name of Project	Name of Faculty guide
1	Hon Ravindra Muktaji	S.Y.B.A (History)	Contouring field for the purpose of leveling the field with the help of GIS techniques	Dr. Rajesh Wagh
2	Dhokane Sham Shivaji	S.Y.B.A (Hindi)		
3	Auti Sagar Nivruti	S.Y.B.A (Hindi)		
4	Ghorpade Vitthal Ravsahab	S.Y.B.A (Geography)		
5	Vane Amol Shivaji	S.Y.B.A (Geography)		
6	Dangat Santosh Kushinath	S.Y.B.A (Geography)		
7	Gadhakh Pooja Dattatry	S.Y.B.A (History)	Application of surveying in irrigation facility	Mr. Shoukat Z. Fakir
8	Virager Sonali Phrabhakar	S.Y.B.A (Politics)		
9	Inamdar Nasrin Arshad	S.Y.B.A (Politics)		
10	Yelwande Akanksha Rajendra	S.Y.B.A (English)		
11	Darade Shubhangi Babasaheb	S.Y.B.A (History)		
12	Dhokane Dnyeshwari Bhausahab	S.Y.B.A ( History)		
13	Dhonde Gayatri Ganesh	S.Y.B.A (Hindi)		

14	Makone Janhavi Vijay	S.Y.B.Sc. Geography	Assessment of groundwater quality around koutiki river with the help of GIS	Mr. Sharad K. Auti
15	Makone Vasundhara Vinayak	S.Y.B.Sc. Geography		
16	Darandale Dhanshri Laxman	S.Y.B.Sc. Geography		
17	Telore Shivani Santosh	S.Y.B.Sc. Geography		
18	Chaudhari Rutuja Bhausaheb	S.Y.B.Sc. Geography		
19	Dhere Vrushali Sunil	S.Y.B.Sc. Geography		
20	Jare Priti Bhivchand	S.Y.B.Sc. Geography		
21	Tuwar Shubham Giridhar		Application of plane table surveying in Land Measurement	Mr. Amol S. Darandale
22	Adhav Rajashri Jagannath	S.Y.B.A( Geography)		
23	Barde Jyoti Devidas	S.Y.B.A (Geography)		
24	Busal Vrushali Bhausaheb	S.Y.B.A (Geography)		
25	Fulmali Pinku Yankoo	S.Y.B.A (Geography)		
26	Darandle Mukul Sanjay	S.Y.B.Sc (Geography)		
27	Gawate Ganesh Machndra	S.Y.B.Sc (Geography)		
28	Kardile Anju Dadasaheb	S.Y.B.Sc (Geography)	Role of Dumpy level surveying for slope measurement in construction of roads	Mr. Rameshwar Jadhav
29	Kurhe Nitin Rajendra	S.Y.B.Sc (Geography)		
28	Kurhe Prinyaka Ashok	S.Y.B.Sc (Geography)		
29	Pawar Gaurav Subhash	S.Y.B.Sc (Geography)		
30	Rakh Sital Vajay	S.Y.B.Sc (Geography)		
31	Sawai Sital Machindranath	S.Y.B.Sc (Geography)		
32	Tandale Mahesh Revnath	S.Y.B.Sc (Geography)		
33	Yewale Tejashree Annasaheb	S.Y.B.Sc (Geography)		

## Photographs of DBT Lectures and Practicals



**DBT Lecture on GIS concepts**



**Practical on Prismatic Compass Survey**



**Practical on Plane table Survey**



**Two Day Training Programme of Global Mapper Software By. Mr.Sandip Pawar Schell  
Informatics Pune**



**Dumpy Level Survey practical By Dr. B.K. Wani**



**Lecture Delivered on Concept of GIS and Remote Sensing By Dr. B.K. Wani**

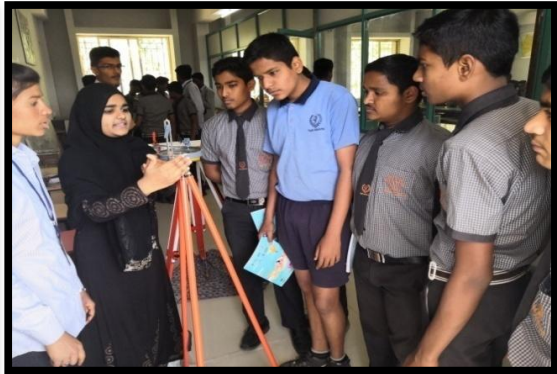
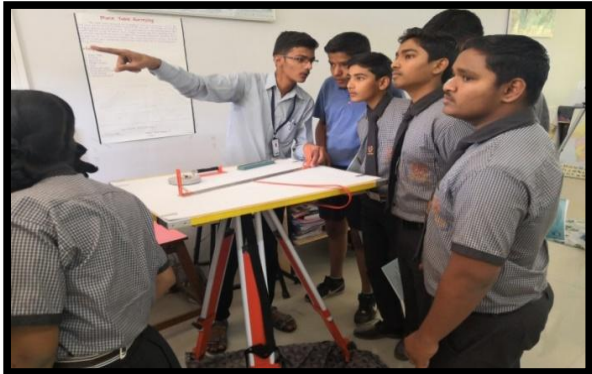
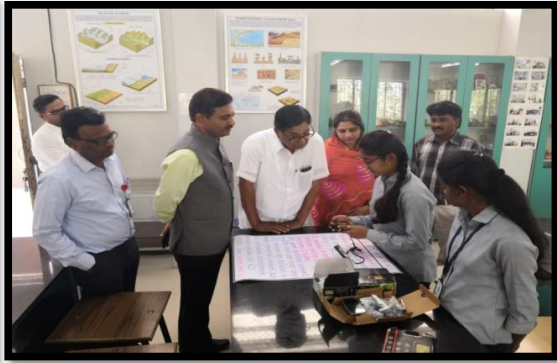


**Prismatic Compass and Plane Table Survey Practical By Dr. Raghunath Najan**



**Hands on training of GPS Handling**

# Open Equipment Exhibition by Department of Geography



# Tour under BDT Star College Scheme at Survey of India and Pune University

