



Maratha Vidya Prasarak Samaj's

Arts, Commerce and Science College, Nandgaon
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Certified 2 (f) & 12 b of UGC Act
Affiliated to Savitribai Phule Pune University
(Id. No. PU/NS/ASC/021?1972)
College Code-116 Exam Centre Code -064

Best College Award of Savitribai Phule Pune University (2012)
NAAC Reaccredited with 'A' Grade 3rd Cycle

1.3.2. Number of courses that include experiential learning through project work/field work/ internships during the year 2021-2022.

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7	Industrial Visit- Permission letter, Outcomes Report with photo, Attendance	11	112 - 121
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		213	
Total		327	



Principal
Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.H.)

Arts, Commerce and Science College Nandgaon

Project TYBSc. 2021-2022



Subject - Physics

Subject code 369

Sr No	Name of student	Title of Project	Guide	Page no.
1	Suryawanshi Rushikesh Anil	Thermal Conductivity by Rubber Tube	Mr.Rajendra V. Wagh	1
2	Kaklij Yogesh Sudam	'g' Measurement by Using modified Experimental Setup	Dr.Anil L. Tidar	3
3	Chavan Sandip Dattu	Zener as a Regulator	Mr.Rajendra V. Wagh	5
4	Shewale Punam Vinayak	Design and Fabrication of Vertical Axis Wind Turbine	Mr.Rajendra V. Wagh	7
5	Suryawanshi Roshani Kailas	Efficiency Study of Solar Cell at Different Filters	Dr.Anil L. Tidar	9
6	Mahajan Kunda B	Thermal Conductivity of Bad Conductor (Cardboards of Different Thickness)	Dr.Anil L. Tidar	11
7	Gaikwad Nikita Ramda	Thermal Conductivity of Solids	Mr.Rajendra V. Wagh	13
8	Borse Mahendra Ashok	Biodegradable Kitchen Waste Convert in to biogas	Mr.Siddhesh D. Chavan	15
9	More Jagdish Samadhan	Acceleration Due to Gravity 'g' Measurement by Using modified Experimental Setup	Dr.Anil L. Tidar	17

Head

Department of Physics



M.V.P. SAMAJ

Art's Commerce & Science College, Nandgaon

Department Of Physics

A

Project Report

On

Thermal Conductivity by rubber tube

Submitted By

Suryawanshi Rushikesh Anil

Final Year Bachelor of Science in Physics

Guided By

Asst. Prof. R. V. Wagh

HOD. Dr. A. L. Tidar

Academic year (2021-22)

Affiliated To

Savitribai Phule Pune University (SPPU)

CERTIFICATE

This is to that the project report entitled of " THERMAL CONDUCTIVITY BY RUBBER TUBE" has been successfully complete by.

Mr. Suryawanshi Rushikesh Anil

As partial fulfilment of Bachelor of Sciences in Physics under the Savitribai Phule Pune University during academic year 2021 - 2022.

The said works had been assessed by us and are satisfied that the same is up to the standard envisaged for the level of the course. And that the said work may be presented to external examiner.



Project Guide

Mr. R.V.Wagh



(HOD)

Dr. A.L.TIDAR

Head

Dept. of Physics
Arts, Commerce & Science College
Nandgaon, Nashik - 423 108



External Examiner



-- M.V.P. Samaj.

Arts, Commerce & Science College, Nandgaon

Department Of Physics

A

Project Report

On

Acceleration Due To Gravity Measurement by Using Modified Experimental Setup

Submitted By

Kaklij Yogesh Sudam

Final Year Bachelor of Science in Physics

Guided By

Dr. A.L. Tidar

Submitted To



Department of Physics

M.V.P'S Arts, Commerce and Science College, Nandgaon.

(2021-22)

Affiliated To

Savitribai Phule Pune University of Pune

M.V.P. Samaj

Art's commerce And Science College, Nandgaon

Department of Physics

CERTIFICATE

This is to that the project report entitled of "Acceleration Due To Gravity Measurement by Using Modified Experimental Setup" has been successfully completed by:

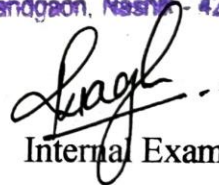
Mr. Kaklij Yogesh Sudam

As Partial Fulfillment of Bachelor of Science in physics under the University of Pune during academic year 2021-2022

The said works has been assessed by us and are satisfied that the same is up to the standard envisaged for the level of the course. And that the said work may be presented to external examiner.


(Dr. A.L. Tidar)

Head of Department
Dept. of Physics
Arts, Commerce & Science College
Nandgaon, Nashik - 423 106


Internal Examiner


External Examiner



A Project Report On

“Zener As Regulator”

***Submitted By ***

Mr. Chavan Sandip Dattu

***Under Guidance By ***

Mr. R.V.Wagh

Head Of Department

Dr. A.L. Tidar

Submitted To



DEPARTMENT OF PHYSICS

**Arts Commerce And Science College , Nandgaon
(2021-22)**

Affiliated To



Savitribai Phule Pune University, Pune

CERTIFICATE

This is to certify that **Mr. Chavan Sandip Dattu** has successfully completed project on zener diode as regulator during the academic year 2021-22. This project is in fulfillment of the requirement of the degree of bachelor of science (B.Sc. Physics) of savitribai phule pune university, pune.



Head Of Dept.

(Dr. A.L.Tidar)

Head

Dept. of Physics
Arts, Commerce & Science College
Nandgaon, Nashik - 423 108



Project Guide

(Mr. R.V.Wagh)



Internal examiner



external examinar





M.V.P. SAMAJ

Art's Commerce & Science College, Nandgaon

Department Of Physics

Project Report

On

**DESIGN AND FABRICATION OF VAERTICAL AXIS
WIND TURBINE**

Submitted By

Shewale Punam Vinayak

Final Year Bachelor of Science in Physics

Guided By

Asst. Prof. R. V. Wagh

HOD. Dr. A. L. Tidar

Academic year (2021-22)

Affiliated To

Savitribai Phule Pune University (SPPU)

CERTIFICATE

This is to that the project report entitled of “**DESIGN AND FABRICATION OF VERTICAL AXIS WIND TURBINE**” has been successfully complete by.

Miss. Shewale Punam Vinayak

As partial fulfillment of Bachelor of Science in physics under the SPPU of Pune during academic year 2021- 2022

The said work had been assessed by us and is satisfied that the same is up to the standard envisaged for the level of the course. And that the said work may be presented to external examiner.



Mr. R. V. Wagh

Project Guide



Dr. A. L. Tidar

Head of department

Head

Dept. of Physics

Arts, Commerce & Science College
Nandgaon, Nashik - 423 106



External Examiner





M.V.P. Samaj's
Art's, Commerce & Science College Nandgaon.

Department Of Physics

A

Project Report

On

**“Efficiency Study of Solar Cell at Different
Filters”**

Submitted by

Ms. SuryawanshiRoshani Kailas

Guided By

Prof. A.L.Tidar

Year

2021-2022


CERTIFICATE

This is to that the project report entitled of " Efficiency study of solar cell at different filters" has been successfully complete by.


Miss.SuryavanshiRoshani Kailas

As partial fulfilment of Bachelor of Sciences in Physics under the SavitribaiPhule Pune University during academic year 2021 – 2022.

The said works had been assessed by us and are satisfied that the same is up to the standard envisaged for the level of the course. And that the said work may be presented to external examiner.



Project Guide
PROF. A.L.TIDAR



(HOD)
PROF. A.L.TIDAR
Head
Dept. of Physics
Arts, Commerce & Science College
Nandgaon, Nashik - 423 108



External Examiner





M.V.P. SAMAJ's

Art's Commerce & Science College, Nandgaon

Department Of Physics

A

Project Report

On

**Thermal Conductivity of bad conductor
(Paper) by lee's method**

Submitted By

Miss. Kunda Balasaheb Mahajan

Guided By

Mr. S. D. chavan

Dr. A. L. Tidar

(HOD)

Department Of Physics

(2021-22)

Affiliated To

Savitribai Phule Pune University of Pune (SPPU)

CERTIFICATE

This is to certify that the project report entitled of "THERMAL CONDUCTIVITY OF BAD CONDUCTOR BY LESS'S METHOD" has been successfully completed by :

Miss. Kunda Balasaheb Mahajan

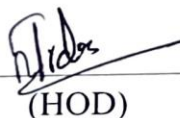
As partial fulfilment of Bachelor of Science in Physics under the University of Pune during academic year 2021-22

The said work has been assessed by us and is satisfied that the same is up to the standard envisaged for the level of the course. And that the said work may be presented to the external examiner.



Project Guide

Mr. S.D.Chavan



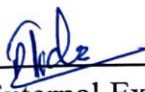
(HOD)

Dr. A.L.TIDAR

Head

Dept. of Physics

**Arts, Commerce & Science College
Nandgaon, Nashik - 423 108**



External Examiner





M.V.P. SAMAJ

Art's Commerce & Science College, Nandgaon

Department Of Physics

Project Report

On

Thermal Conductivity of Solids

Submitted By

Nikita Ramdas Gaikwad

Final Year Bachelor of Science in Physics

Guided By

Asst. Prof. R. V. Wagh

HOD. Dr. A. L. Tidar

Academic year

(2021-22)

Affiliated To

Savitribai Phule Pune University (SPPU)

CERTIFICATE

This is to certify that Miss.Nikita Ramdas Gaikwad of class T.Y.BSC (PHYSICS) has satisfactory completed project work titled " THERMAL CONDUCTIVITY OF SOLIDS" during the academic year 2021-2022.



Project Guide

Mr.R.V.Wagh



(HOD)

Dr. A.L.TIDAR

Head
Dept. of Physics
Arts, Commerce & Science College
Nandgaon, Nashik - 423 106



External Examiner





M.V.P. SAMAJ
Arts, Commerce And Science College , Nandgaon

Department Of Physics

A

Project

On :

**“Biodegradable Kitchen Waste Convert
Into Biogas”**

Submitted By :

Mr. Mahendra Ashok Borse

GUIDE BY :

Mr . S.D.Chavan

DR. A.L.Tidar

(HOD)

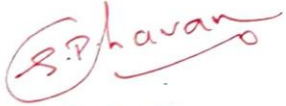
Department of physics
(2021-22)

Affiliated To

Savitribai Phule Pune University Of Pune (SPPU)

CERTIFICATE

This Is To Certify That **Mr. Mahendra Ashok Borse** Student Of T.Y.B.Sc. He Has Completed The Project Of “**Biodegradable Kitchen Waste Convert Into Biogas**” Under The Subject Of Physics During Academic Year 2021-2022. In The Arts , Commerce And Science College, Nandgaon



Mr.S.D.Chavan
(Project guide)



Dr. A.L.Tidar

HOD
Dept. Of Physics

Head
Dept. of Physics
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Nandgaon, Nashik - 423 108



Dr.S.N.Shinde
(Principal)



M.V.P. Samaj.

Arts, Commerce & Science College, Nandgaon

Department Of Physics

A

Project Report

On

Acceleration Due To Gravity Measurement by Using Modified Experimental Setup

Submitted By

More Jagadish Samadhan

Final Year Bachelor of Science in Physics

Guided By

Dr. A.L. Tidar

Submitted To



Department of Physics

M.V.P'S Arts, Commerce and Science College, Nandgaon.

(2021-22)

Affiliated To

Savitribai Phule Pune University of Pune

M.V.P. Samaj

Art's commerce And Science College, Nandgaon

Department of Physics

CERTIFICATE

This is to that the project report entitled of "Acceleration Due To Gravity Measurement by Using Modified Experimental Setup" has been successfully completed by:

Mr. More Jagadish Samadhan


As Partial Fulfillment of Bachelor of Science in physics under the University of Pune during academic year 2021-2022

The said works has been assessed by us and are satisfied that the same is up to the standard envisaged for the level of the course. And that the said work may be presented to external examiner.


(Dr. A.L. Tidar)

Head of Department
Dept. of Physics
Arts, Commerce & Science College
Nandgaon, Nashik - 423 108


External Examiner


Internal Examiner





Maratha Vidya Prasarak Samaj's

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Best College Award of Savitribai Phule Pune University (2012)

NAAC Reaccredited with 'A' Grade 3rd Cycle

2021-22

Department of Geography

Village Survey Report

Kranti Nagar

T.Y.B.A

Under the Guidance

**Mr. L. A. Kalaskar
Head of Department**

Acknowledgement

It is great pleasure for us that, we have successfully completed the socio-economic survey of Krantinagar village and submitted survey report satisfactory

The main aim of our survey was the find out the reason, which is responsible for development and progress of Krantinagar village. During this survey, we have collected data from various fields and analyzed it.

During this survey, we came to contact with typical village of Maharashtra and knew about different problems, socio-economic condition, and many more thing about the villages.

Therefore, this incorporating very authentic and latest available data compiled from different sources that will be very help full to the readers. Table, Charts, Graphic, represents all the numerical data by using different methodology.

Hence, this will prove very useful for the interested student of geography to get resent information about the Krantinagar village. It will provide perfect guidelines for the further survey of any village or villages.

We hope that this village survey report will be able to provide all the necessary information satisfactorily.

We are very thankful to our subject teacher Prof. L. A. Kalaskar and Prof. S. M. Aware, & Geography department who directly and indirectly encouraged us. Also our college teachers help us to fulfill this project, We are also very thankful to Sarpanch of Krantinagar Mr. Sharad Kashinath Patil & Gramsevak of Krantinagar Mr. Atul Sonawane

We would like to give special thanks to Our Principal Dr. S. N. Shinde.

It will be injustice if we do not pay thanks to inhabitants of Krantinagar village

We would like to give special thanks to all our team members for their cordial co-operation and contribution to make successful our report.



HOD
Dept of Geography

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Chapter: 1

Introduction

1.1 Introduction

Geography is primarily a field study or a field observation concerned with accurate orderly and interpretation of the various characters of the earth surface. In the systematic science, the objects of study can be brought into the laboratory for the detail study, but geography that deals with landscape and regions of the earth surface. Therefore, a geographer must go physically and culturally on the field for observation and study. He should record the features phenomena, accurately as well as in systematic manner. He should also interpret this phenomenon.

This is the importance of the field training for the students of geography. Geography is hardly exaggerated subject matter.

India is a country of village. In India near about 65% population is depended on agriculture. Agriculture is mainly practiced in village's standard of living socio-economic conditions in the villages differ from city or town areas. Therefore, the student of the geography must know reality of the villages. Hence we students of geography second year, have chosen Krantinagar village (Tahsil Nandgaon) of Nashik District for our survey.

Krantinagar is one of the villages in Maharashtra. It has several human and physical challenges. In agriculture sector also it gets more benefits.

1.2 Study Area:

Krantinagar village is situated on the left bank of River Shakambari in the Middle Girna Basin. It lies between 20°29' 30'' North to 74°64'13'' East longitude. It is surrounded by Nandgaon Tahsil & Shriramnagar in the North, Village in the East, Malharwadi and Azadnagar villages in the south, and Mandvad village in the West (map 1.1)

Krantinagar village has an area of 537.44 hectare and a population is 1796 (2022) Census/Talathi record). The main stream (Shakambari) of hills in the Satmala Ajintha which is runs west to East in the South proportion of the village.

The climate of the village is generally dry except during the South-West monsoon season. The average annual rainfall for the village as a whole is 580 mm. Within the village there are considerable variations in rainfall. Temperature begins to increase rapidly from the latter half of February. May is the hottest month with the mean daily maximum temperature 40.5°C at Nandgaon. December is the coldest month with the mean daily minimum temperature 08.3°C at Nandgaon.

The soil of the district is essentially derived from the Deccan Trap which is the predominant rock formation of the district. The soil formation is mainly affected by the climatic condition and topography of the district. The soil in the Shakambari, upper reaches of the Shakambari and the Shakambari Valley is quite deep and fertile. The relief in the rest of the village is undulating and susceptible to erosion.



1.3: Aims and Objectives

The precise aim of this study is to assess and analyze geographically, describe and interpret the pattern of family background of Krantinagar village of Nandgaon Tahsil in the Nashik district with a view to investigate certain physical and socio-economic variable involved in land use patterns and provide meaningful investigation for making suitable, proper and efficient land use. Putting it more clearly, present village survey has covered following objectives for detailed and exhaustive study as:

1. To know the physical background of the village.
2. To know the location, situation and the site of the village.
3. To know the socio-economic background of the village.
4. To study the general land use and agricultural land use of the village.
5. To know the settlement type and house structures of the village.
6. To study the various activities and functions of the villagers.

1.4: Data base and Methodology:

Monthly maximum, minimum and average temperature, monthly average rainfall, annual rainfall, total area, forest area, total population, density, general land use etc. Data of the village collected from unpublished and published record of the Revenue and other Departments.

The primary data collected by face to face interviews of villagers/farmers, using questionnaires.

The secondary data collected by published and unpublished materials from various offices/departments as Revenue and others. Besides this, published records and abstracts such as

socio-economic review of Nashik district, District Census Handbook, District Statistical Report of Nashik District as well as Talathi office, Grampachayat office and Gramsevak of Krantinagar village.

The delimitation of the village wills attempted by marking out the watershed of river for which following Indian topographical maps published by Survey of India used for the study.

The format of questionnaires incorporate all aspects of agricultural practices, general land use, existing cropping pattern, various means and intensity of irrigation, socio-economics conditions of farmers, problems and prospects of agriculture and it became useful for getting basic information about agriculture.

1.5: Choice of the study area:

As per syllabus of Pune university, to know the reality of Indian village has been selected for the study. It is 113 km away from Nashik city. The Geographical area of the Krantinagar is 537.44 Hectares it is a part of Maharashtra state in a foothills of Ajantha.

Agriculture pattern land use pattern and other economic activities of the village might have been changed due to the nearness to the Nandgaon city. Therefore, to know the reality of the village, Krantinagar is considered for the study so, one could make the suggestions for its development. Krantinagar village is agriculturally and socio-economically advanced.

There are many facilities are available in this village like education, electricity, primary health care center, primary schools, The physical conditions of Krantinagar also are suitable for agricultural practice.

Krantinagar is located on the bank River Shakambari which is sub-Tributary of is the main river Girna in this area and takes its source at Nandgaon area. It has very undulating area and has Red and Black cotton soil for agriculture. It is located very close to Nandgaon city. Therefore, Krantinagar village is selected for study.



1.6: Design of work

The present investigation consists of **seven chapters**.

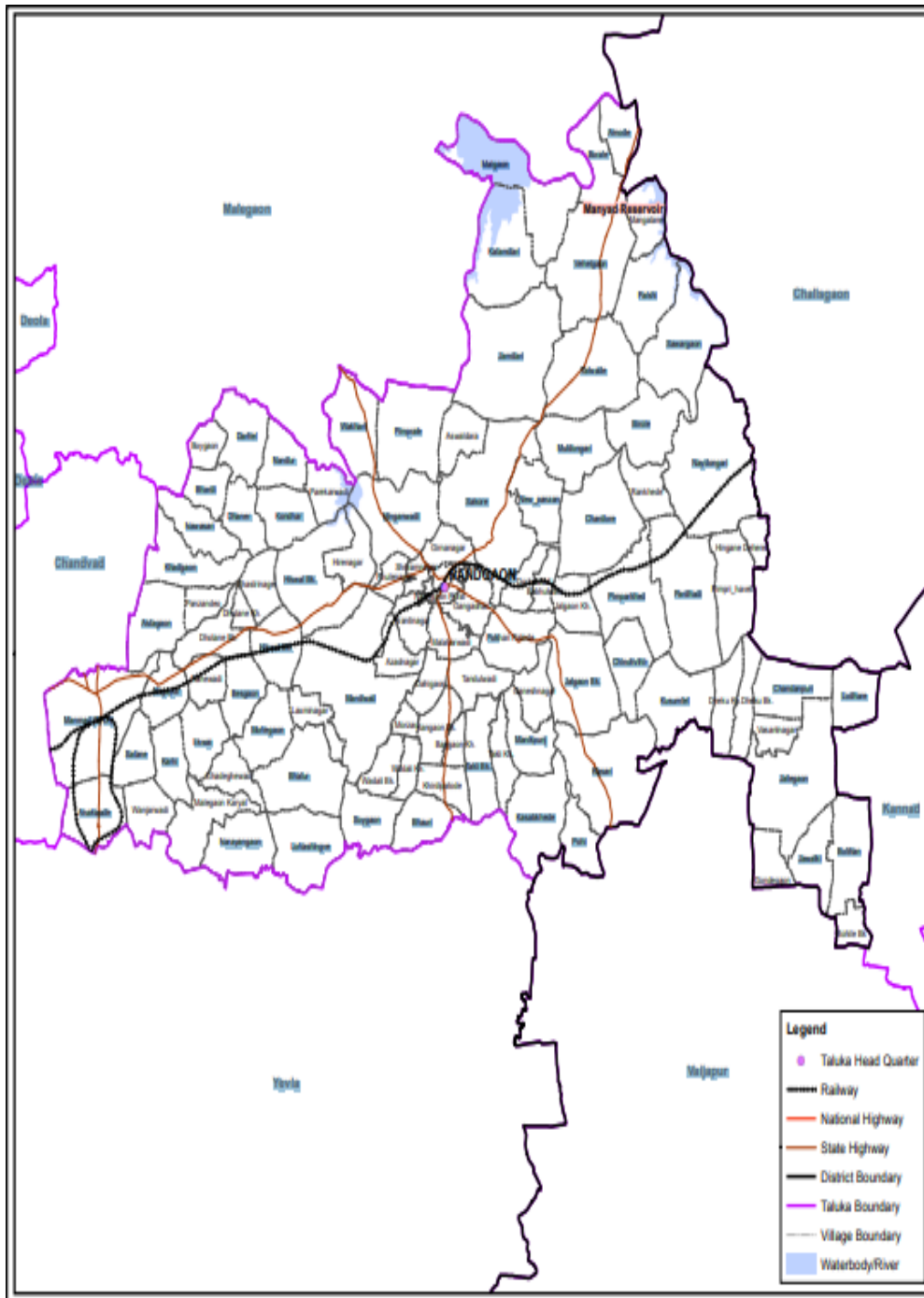
Chapter 1- deals with the background of study covering its objectives, source of data, methodology used in processing data, analysis and interpretation problems encountered, limitations restricting the scope of this study.

Chapter 2- deals on the physical setting of the village. It includes its relief, drainage, climate, soil, vegetation etc.

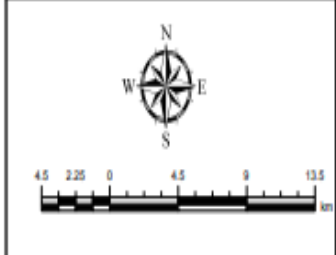
Chapter 3- present the nature and features of the general land use and agricultural land use pattern of the village covering net sown area, forest, cultivable waste, fallow agricultural land use pattern of all crops grown in the area undertake for study. This includes irrigated and non-irrigated land under various crops.

Chapter 4- presents the socio-economic and occupational structure of the villagers. In the socio economic survey it includes the sex ration, age sex structure, marital status, literacy, occupation, family structure, house type, area of the house, total rooms in the house, agricultural land belongs to each family, type of agriculture, monthly income of the families, amenities and facilities of each families in Krantinagar village

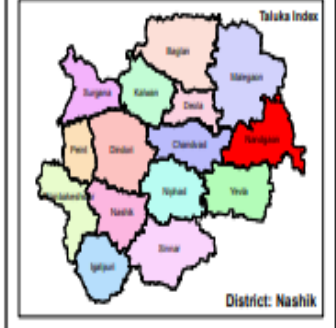
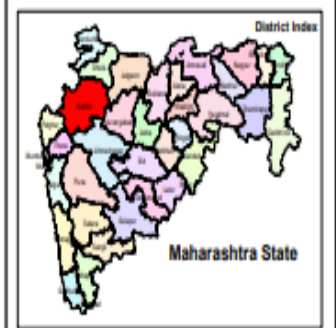
Chapter 5- present the resume based on the preceding in-depth and meaningful exposition, analysis and interpretation of the actual information's and data bearing on whole theme and conclusion and suggestions are occurs in this last chapter.



Village Map
Taluka: Nandgaon
District: Nashik



Location Index



- Legend**
- Taluka Head Quarter
 - Railway
 - National Highway
 - State Highway
 - District Boundary
 - Taluka Boundary
 - Village Boundary
 - Waterbody/River

Data Source: Village maps from Land Record Department, GoM. Waterbody/River from Satellite Imagery.

Generated By:
 Maharashtra Remote Sensing Applications Centre
 Autonomous Body of Planning Department,
 Government of Maharashtra, VNIT Campus,
 South Ambazari Road, Nagpur 440 010

Chapter 2

Physical Setting of the village

2.1 Introduction:

Land is the basic resource of human society. Its utilization shows a reciprocal relationship between ecological conditions region and man. Visher (1932) has rightly put forward the theory that a specific field of geography concerns itself with the study of the influence of natural environment of the nature and distribution of men's activities. The varied nature namely, soil, water, climate provides different area with variety of possibilities of development (Hettner, 1947). It is therefore, necessary to evaluate the agricultural land use of the study region, needs to unfold the nature of ecology of the Nashik District. This chapter covers the profile of physical background of the district, i.e. Relief, Geology, Climate, Drainage, Soil and Vegetation.

2.2 Location, Situation and site of the Village:

Krantinagar village is situated on the right bank of River Shakambari in the Middle Girna Basin. It lies between 20°29' 30'' North to 74°64'13'' It is surrounded by Nandgaon Tahsil & Shriramnagar in the North, Village in the East, Malharwadi and Azadnagar villages in the south, and Mandvad village in the West (map 2.1) direction. The Krantinagar village in present B2 square in Survey of India's toposheet Index No 46H/8. As per toposheet the highest part of the village is observed to the west and south-east side of the village. There is highest counter and its actual height is 475 m above mean sea level.



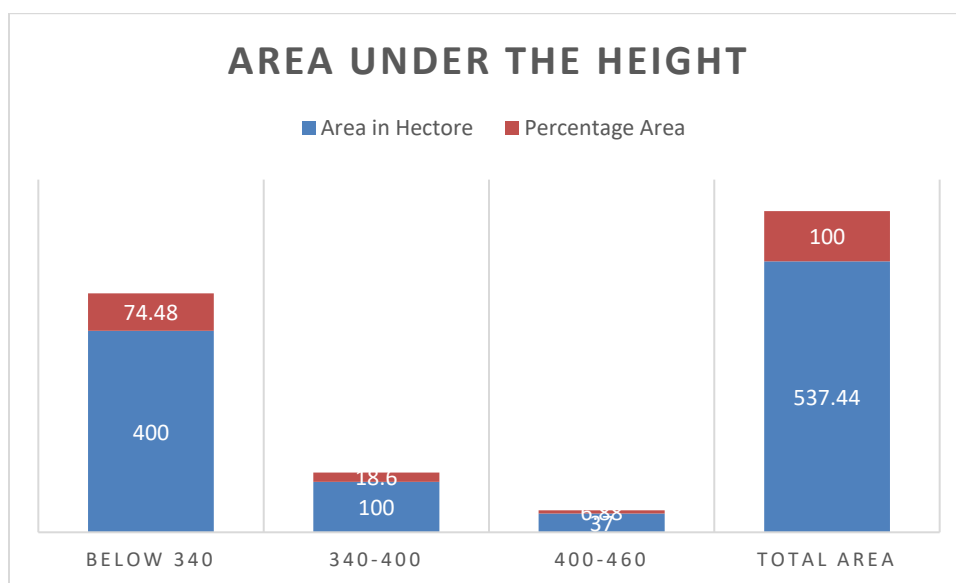
2.3: Relief: Topographical features directly influence agriculture. Altitude, angle of slope, aspect of slope, Relative Relief control size and shape of forms and types of crop grown. In general agriculture is rarely found above 3500 meters of altitude. Decrease in temperature and pressure, low humidity, thin soil cover limit agriculture.

Krantinagar village located to the south-west of Nandgaon Tahsil therefore easy to say that region is undulating region. The height of Krantinagar village is 475m. Above mean sea level. According to Shakambari River flowing direction slope of the Krantinagar slope of the Krantinagar village from south to north direction. **The Krantinagar village in present B2 square in Survey of India's toposheet Index No 46H/8.*** As per SOI toposheet the highest part of the village is observed to the west and south-east side of the village. There is highest counter and its actual height is 492.5meter above mean sea level.



Table 2.1: Area under the Height

Height above msl	Area in Hectore	Percentage Area
Below 340	400	74.48
340-400	100	18.60
400-460	37	6.88
Total Area	537.44	100



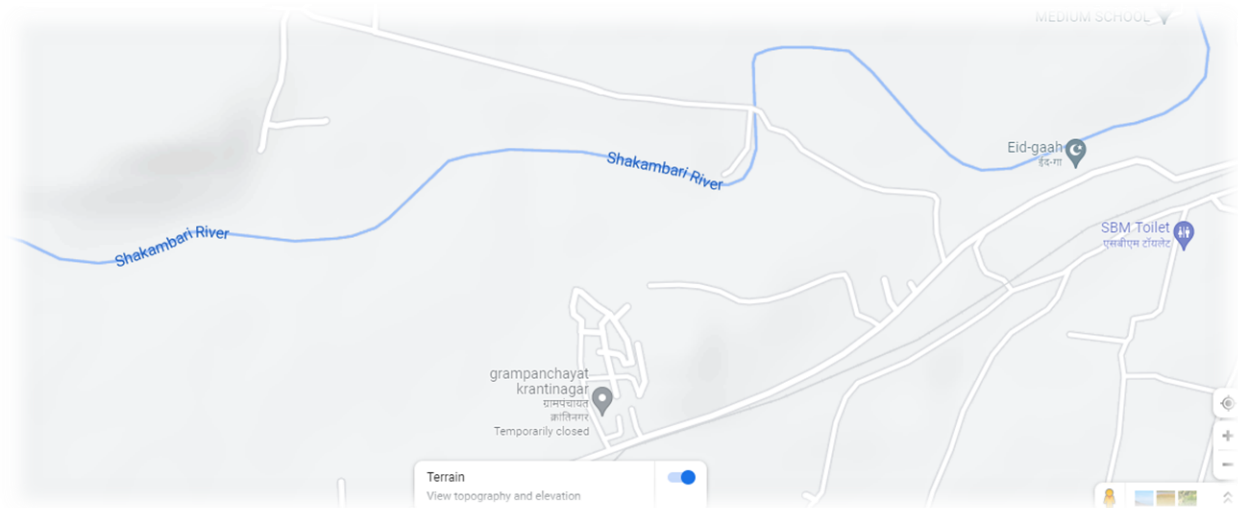
Map: 2.3 Areas under Height 2.4: Natural Drainage:

The drainage pattern and the trend lies of the ridges depend upon the structure of the underlying basaltic rocks of the district. These rocks interceded with ash joints, running approximately directions North-South, North-West, South-East, and North-Northeast, South-Southwest. The streams of the region have taken advantage of these planes of weakness in carving their valley as in shown by the following features; streams generally run in one or other of these three sets of direction. The bends at the confluence of almost every rill with its main stream generally rectangular; and the courses of most valleys are almost straight.

The district is drained area are divided in two categories. First is East flowing drainage and second is West flowing drainage area. This dimidiation occurs due to Western Ghat. Some part of Nashik district is involved East side of Western Ghat and some part is involving West side of Western Ghat. So, The Krantinagar Village is located in the east side of Western Ghat. Their drainage is involved in east flowing river basin. These are a number of small Konkan Rivers draining westwards into the Arabian Sea.

Map: 2.4 -Natural Drainage

Krantinagar village is located to the right bank of Shakambari River which is the sub tributary of River Girna. Krantinagar village comes under in Girna river basin. Near the Krantinagar village Shakambari River flows between two small hills which are located to the west and east of the village (Map 2.4). River Shakambari takes its source to the south western hilly area of Lohshingave square B2 as shown in SOI top sheet no. 46H/8. The flowing direction of River Shakambari is from South to North and finally River Shakambari Joins River Girna to the North-East of Krantinagar village.



2.5 Climate:

The climate of the district is characterized by dryness except in the south-west monsoon season. The year may be divided into four seasons. I) The cold season from Dec. to Feb. followed by the II) hot season from March to May, from III) June to Sept. Monsoon season followed by the IV) post monsoon season during Oct. to Nov. The climate in Nandgaon district is typical monsoonal in character with a small range of rainfall and temperature. The study region experiences intensive heat in summer and intensive cold in winter. The intensive heat in summer is drier and affects the vegetation in stopping its growth.

2.5.1: Temperature:

The season in the village shows local variations (Table 2.1 and figure 2.1). The cold season starts from the middle of November & continues till the end of February. December is the coldest month of the year (temp. 8.3°C). Sometimes it is affected by fog. From March to June the day temperature increases progressively. May is the hottest month of the year (Temp. 40.5°C).

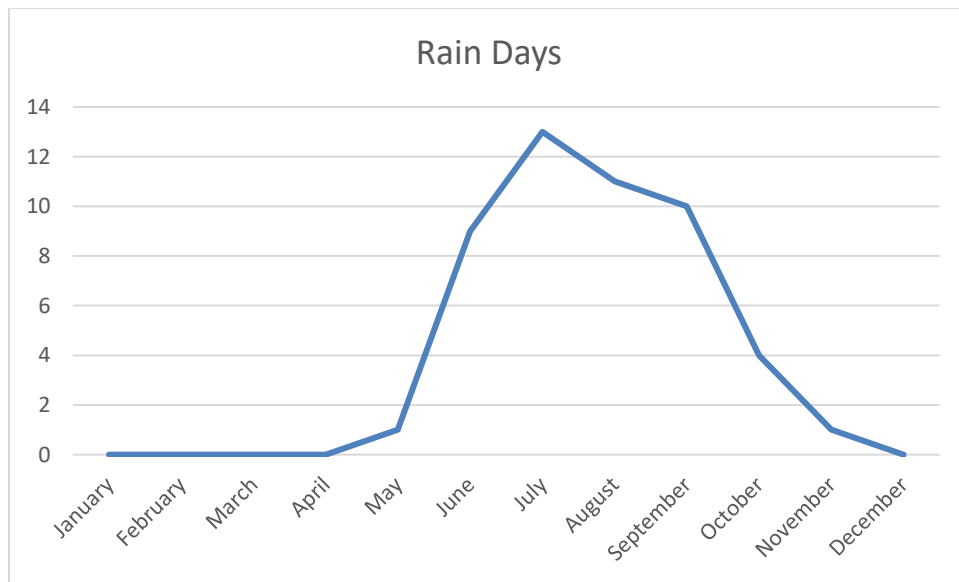
Relative Humidity:

In Nandgaon Tahsil relative humidity is more than 50 percent. Highest relative humidity is observed in July month it is 86 percent, while minimum relative humidity is observed in March month and it is 24 percent.

Table 2.2: Krantinagar Climate table // historical Weather data 2021

Month	Day	Night	Rain Days
January	29°C	17°C	0
February	32°C	20°C	0
March	36°C	23°C	0
April	39°C	26°C	0
May	39°C	26°C	1
June	34°C	25°C	9
July	29°C	24°C	13
August	29°C	23°C	11
September	30°C	22°C	10
October	31°C	22°C	4
November	30°C	20°C	1
December	29°C	18°C	0

2.5.2: Rainfall



Monthly rainfall shows in table no 2.3 and figure 2.2. There is no rainfall measurement station so we take the rainfall data as per Nandgaon Tahsil office. This village comes under the area of Sahyadri mountain ranges. This village receives rainfall from the southwest monsoon. In the village rain starts early in the month of June and lasts till the end of September. The intensity of rainfall is more in the month of June, July and August. The season usually closes with some

showers in November and December. Annual rainfall of the village is recorded up to 580 mm. This village receives about 85% rainfall during the southwest monsoon winds.

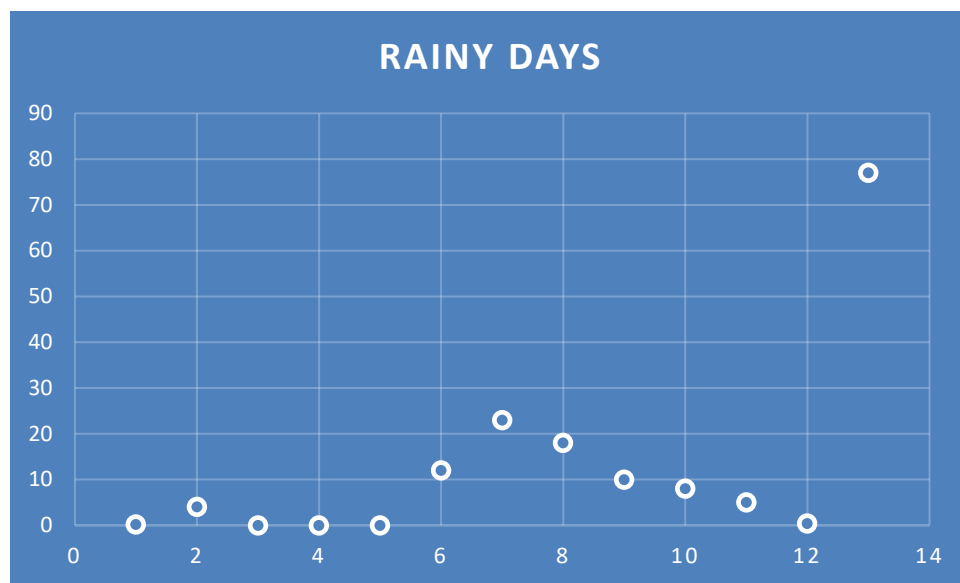
The highest rainfall is concentrated in the month of July; it is about 580 mm. 49 days Rainfall receives days observed in throughout the year. Maximum rainfall days observed in July month (23days) while minimum rainfall days observed in November Month (5 days).

2.5.3: Other Climatic Elements

The climate of the village characterized by the dryness except in the monsoon season, the village observes three seasons as follows:-**Table 2.3: Rainfall & Rainy Days**

Month	Rainfall in mm.	Rainy Days
Jan	3.5	0.2
Feb	1.8	04
Mar	-	-
Apr	-	-
May	-	-
June	205.5	12.0
July	450.0	23.0
Aug	360.6	18.0
Sept	195.2	10.0
Oct	70.4	8.0
Nov	52.1	5.0
Dec	17.7	0.4
Total	1356.8	77.0

(Source: - Nandgaon Tahsil office record)



Rainy Season:

The Krantinagar receives rain within 4 months, mostly between middle of June to September. Average annual rainfall of the village is 400-450 cm. in the village. Minimum temperature of the village in this season is about 20°C and maximum temperature is 31°C.

Winter season:-

There have winter season in Krantinagar between Octobers to mid of March. The temperature about 8.3°C-26°C in daytime, in night temperature decreases until up to 4°C. **Summer season:-**

In Krantinagar village temperature start to increase from 15th February and there is on an average 28°C to 35°C temperature in the summer. In Krantinagar summer season starts from middle of March and end in the middle of June.

2.6: Soil:

The soil of the district is essentially derived from the Deccan Trap which is the predominant rock formation of the district. The soil formation is mainly affected by the climatic condition and topography of the district. The soil in the Girna, upper reaches of the Nandgaon and the Shakambari Valley is quite deep and fertile. The relief in the rest of the village is undulating and susceptible to erosion. Generally, the soil of the Krantinagar village is black with Murum Soil. Soils of the Krantinagar village are useful for cultivation of various crops like Bajra, wheat, Jawar Groundnuts and other crops etc.

2.7 Natural Vegetation:

The forest areas mainly covered by the sloping hills to the eastern and western parts of the district and are known as below Ghat forests consisting of Nandgaon, Surgana, Peth and Dindori. The forests spread on the plateaus in Nashik, Igatpuri, Kalwan, Deola, Satana, Chandwad, Malegaon, Nandgaon, Niphad and Yeola taluka are called above ghat forest.

The forest in the district falls into three different types, viz., 1) Deciduous forest tending towards monsoon type, found in western and north-western parts of the district. 2) The Evergreen type forest observed along the terraces of the Western Ghats and 3) The Dry deciduous forest.

The total forest area in the district is 22.38 square km. situated below the ghat region. The remaining forest cover observed on the ghat tract with three distinct ranges of hills running in an easterly direction. These three ranges of hills are intensively cultivated and populous basin of the Shakambari and the Girna rivers. The eastern zone bears nothing but a scrubby growth and the major portion of the reserved forest is barren and devoid of any growth. The vegetation is generally found along the terraces and sheltered belts which have escaped the destructive propensities of the local inhabitants.

Chapter.3

Land use of the village

3.1: Introduction

The fundamental utility of land is satisfying the human need of food habitation and housing materials. It is essential to choose proper mode of land use planning and allocation to various ingredients of optimum land use to meet/solve the human needs Kellong (1980) rightly pointed out that this calls for the clear understanding of land classification for successful planning and development. The application of various inputs in land may change the allocation of land to different uses. The factors, conservation and quality of our socio economic environments are most fundamental for the proper use of our land. This statement is true not only of large urban centers as well as most of the remote areas. The growing pressure of population coupled with an increasing variety of demand on land resources has brought extra pressure on available resources. In order to deal with these and to plan for optimum utilization of land, it is necessary to have accurate and up to date information in all possible details on land use. It is Nashik district would be helpful for preparation of the relative development plan for the district.

The objective of this chapter is to assess spatial as well as temporal land use and suggest possible Solutions to improve existing land use in the district in the light of physic-socio-economic condition.

The area of forest cover (FC), net sown area (NSA) area not available for cultivation (ANC), Fallow Land (FL) and cultivable waste (CW) have been converted into percentage to total geographical area. Further, these have been used for showing the spatial distribution of land classification with suitable cartographic maps. A line graph Exhibits the temporal variation of land classification for a period of forty years (1960-61 to 2000-01) in the district. The description of each land classification has been supplemented by numerous spot-inquires, besides information embodied by using the relative District Census Handbook, District Gazetteer and District socio economic Review of Nashik District.

It would be convenient for a clear understanding to condense to above mentioned twelve categories into five categories as 1) Forest land, 2) Net sown area, 3) Land not available for cultivation, 4) cultivable waste and 5) Fallow land.

3.2: General Land use:

As per record of Census handbook and Talathi office of Krantinagar village general land use of the village is shown in table no. 3.1 and fig.3.1.

Table 3.1: General Land use of the village (2022)

Sr. No.	Land use	Area	
		Total Area	Percentage
1	Net Sown Area	368.25	68.51
2	Follow Land	11.00	2.05
3	Waste Land	13.08	2.43
4	Land not available for cultivation	145.11	27.00
5	Forest	0.00	0.00
6	Total	537.44	100.0

(Source: Talathi office Krantinagar)

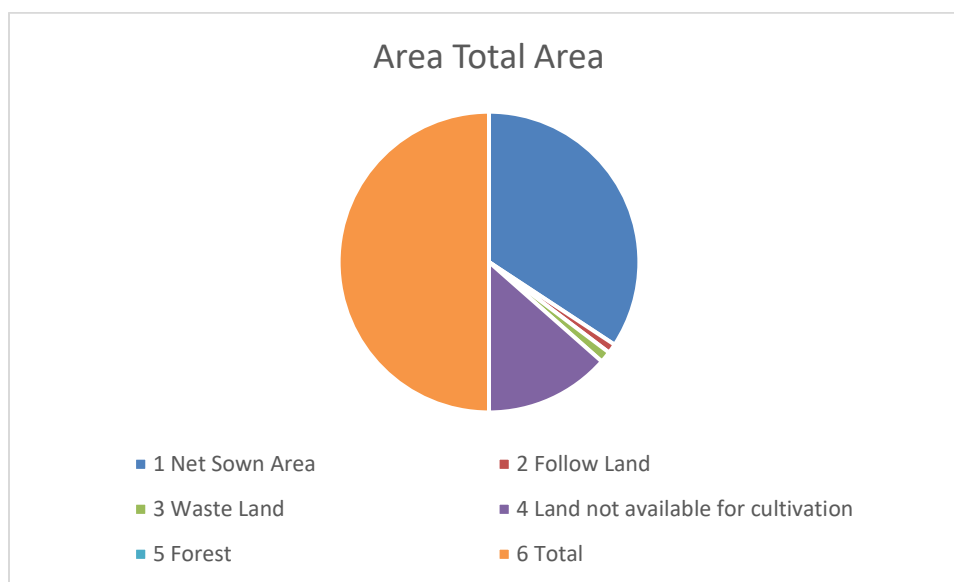


Fig. 3.1 General Land use of the village

Table no. 3.1 and fig. 3.1 are shown general land use of Krantinagar village during 2021-22. In 2021, 68.57 percent area under Net sown land, 2.05 percent area found in Follow Land and 2.43 percent area is Waste Land, 27.00 percent area found in Land not available for cultivation while 0.00percent area is cover by forest.

3.3: Agricultural Land use:

After unfolding the various categories of general land use in, it would be worthwhile to explain agricultural land use pattern in the area. The term, “Agricultural Land use” denotes the extent of the gross cropped area during the year under various crops. It is the result of the decision made by the farmers regarding the choice of crops and methods for production. Thus, this decision-making is based on not only the physical constraints and limitations but also depends on farmer’s perception of the total environment. His perception of environment is

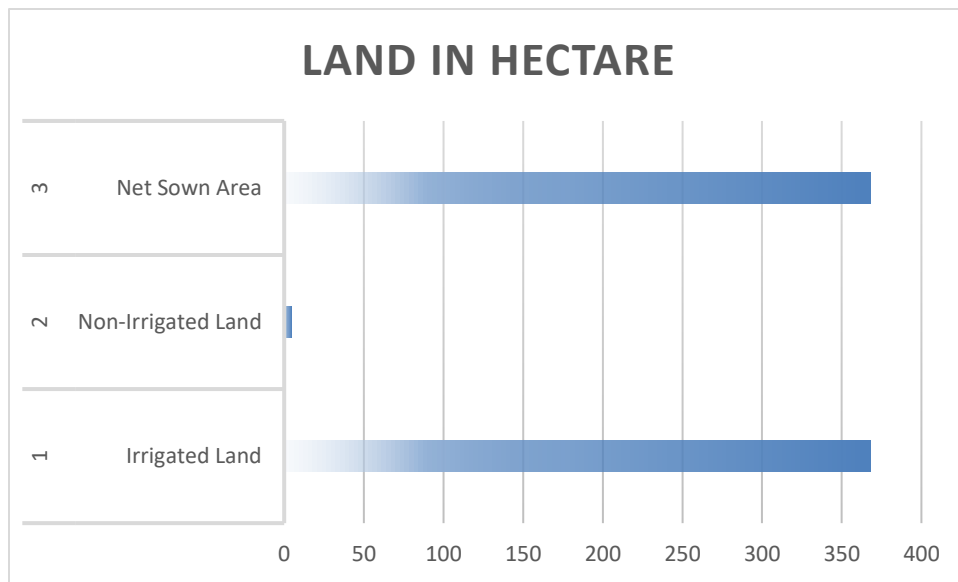
related to contents and nature of available information, much of which is based on traditional approach. The physical as well as cultural environment reflects of crops growth, production and changes.

The spatial and temporal variations in agricultural land use patterns have been studied in the area under review.

Table 3.2: Agricultural Land use of Krantinagar

Sr. No.	Particulars	Land in Hectare
1	Irrigated Land	368.25
2	Non-Irrigated Land	4.48
3	Net Sown Area	368.25

Fig. 3.2



Chapter – 4

Socio-Economic Background of the Village

4.1: Introduction

An attempt has been made here to focus upon the socio-economic and Occupational structure as well as to analyses the problem of the villagers and suggest the plan for their development. We students of S.Y.B.A/T.Y.B.A. Geography have selected Krantinagar village of Nandgaon Tahsil in Nashik district. The village has 1796 population. The questionnaire was administrated to **221** families and identified the socio-economic and occupational structure of the villagers. In the socio economic survey it includes the sex ration, age sex ration, marital status, literacy, occupation, family structure, house type, area of the house, total rooms in the house, agricultural land belongs to each family, types of agriculture, monthly income of the families, anilities and facilities of each family of Krantinagar village.

4.2: Social Structure

There are total 382 families; out of 386 families we served 221 families (57.85) percentage families we take for survey). Out of these 221 families there are 82 joint families and 139 independent families.

Total surveyed population of Krantinagar village is 1796, containing 956 male and 840 females, the percentage being 46.77 and 53.22 respectively. As such the sex ration is 878 females per thousand **male (1000:878)**.

The marital structure of this village is shown in table 4.1. There are 56.57 percent people married while 40.77 percent people are unmarried and 2.66 percent people are widows.

4.3: Age Sex Structure

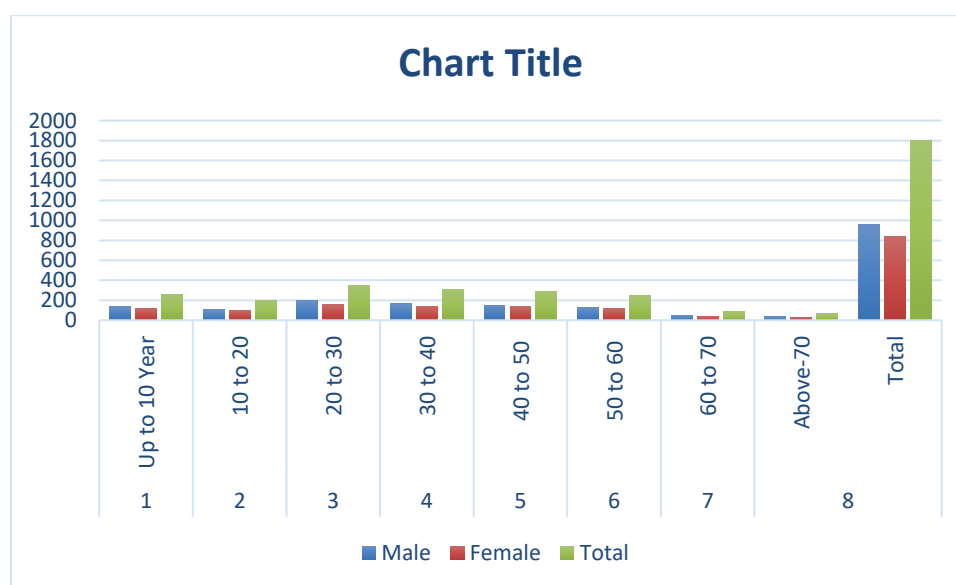
The age sex structure of Krantinagar village is shown in table 4.2 and figure 4.1 Total populations of the surveyed families is **622**; out of this male population are 380 while female population is 242. The sex ratio of the population is 878 females per 1000 male population. As per the data shown in table 4.2 total working populations is 400, while the depending population is 242. According to this data the dependency ratio is 500 people per thousand people.

Fig: - Age-Sex Structure

Table: 4.2 Age-Sex Groups

Sr. No.	Age Group (year)	Male	Female	Total
1	Up to 10 Year	136	118	254
2	10 to 20	103	99	202
3	20 to 30	194	155	349
4	30 to 40	165	139	304
5	40 to 50	150	141	291
6	50 to 60	125	120	245
7	60 to 70	48	39	87
8	Above-70	35	29	64
	Total	956	840	1796

(Source: Field Work)



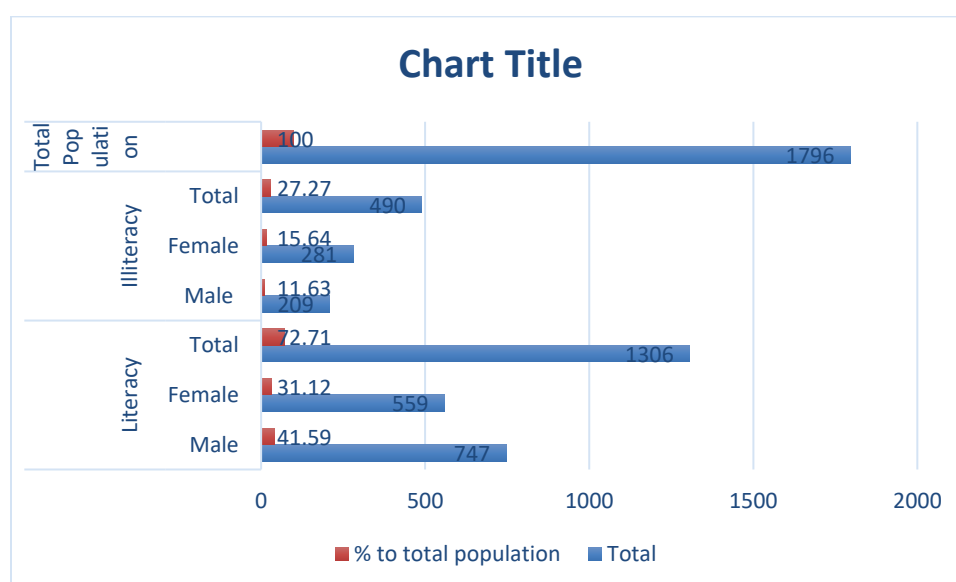
4.4: Literacy Structure

Total literate population of the village is 1306 (72.71%); out of this 747 (57.19 percentage) is male population while 559 (42.80 percentage) is female population. As compared to the district literacy the literacy rate of this village is very less. Male literacy rate is high (57.19 percent) as compared to female literacy rate (42.80 percent) table 4.3.

Table: 4.3 Literacy Status of Krantinagar

Particular		Total	% to total population
Literacy	Male	747	41.59
	Female	559	31.12
	Total	1306	72.71
Illiteracy	Male	209	11.63
	Female	281	15.64
	Total	490	27.27
Total Population		1796	100

(Source: Field Work)



4.5: Economic Structure

Average monthly income of the families in the village is shown in table 4.4. As per there monthly income the families classified into five group; 1) The families having monthly income below Rs. 5000 comes under very Low monthly income group, 2) From Rs. 5001 to 10000 comes under low monthly income group, 3) From Rs. 10001 to 15000 comes under medium monthly income group, 4) From 15001 to 20000 Rs. Comes under high monthly income group and 5) Above Rs. 20000/- comes under very high monthly income group.

Table 4.4: Average Monthly Income

Sr. No.	Income Group	Range in Rs.	No. of Families	Families %
1	Very Low	Below Rs. 5000	70	18.32
2	Low	5001 to 10000	60	15.71
3	Medium	10001 to 15000	100	26.18
4	High	15001 to 20000	106	27.75
5	Very High	Above Rs. 20000	46	12.04
	Total		382	100

(Source: Field Work)

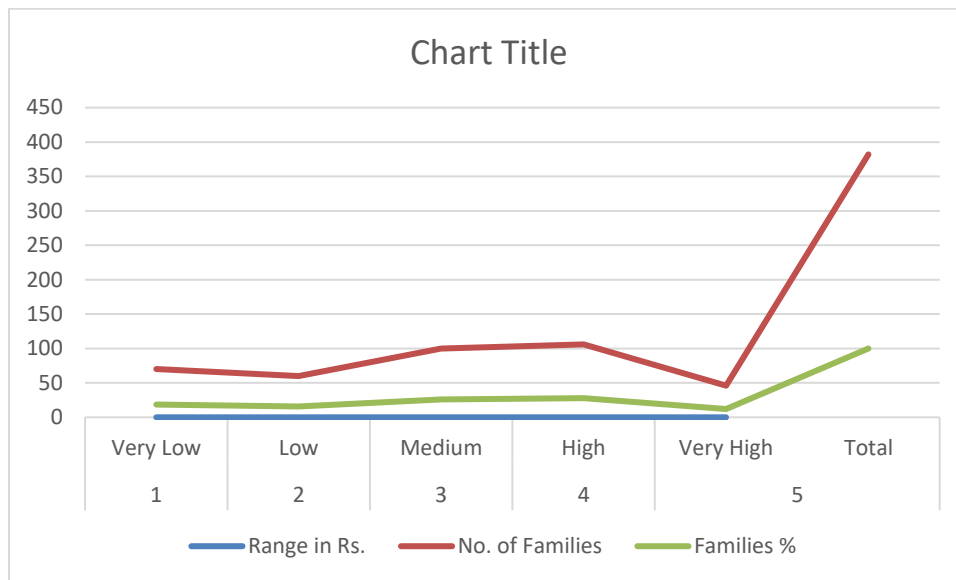


Fig. 4.2 Monthly Income of Families

According to the above classification 18.32 percent (70) families found under very low monthly income group, 27.75 percent (106) families observed high monthly income, and 12.04 percent (46) families having very high monthly income (table 4.4 and fig. 4.2).

4.6: Functional Classification

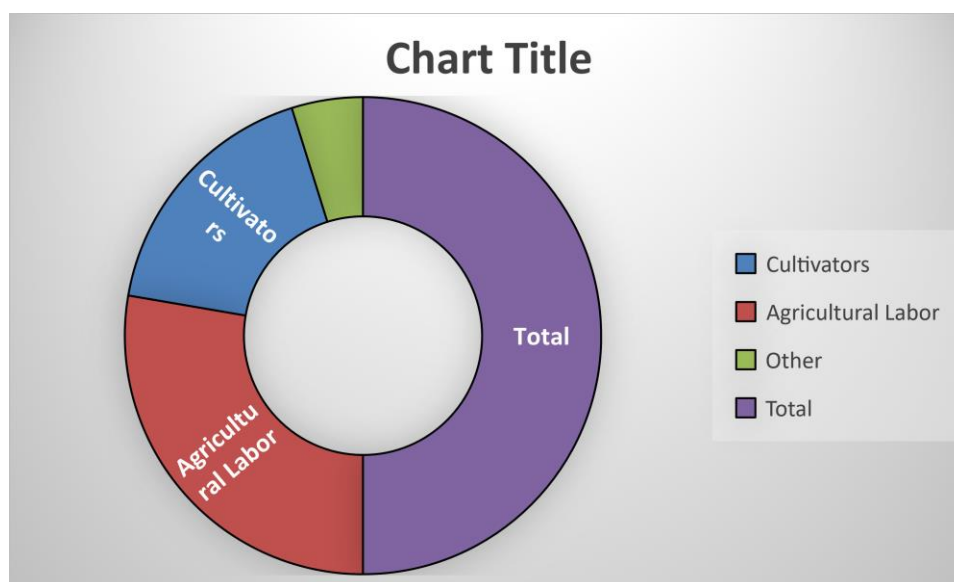
Function classification of Krantinagar village is as shown in table 4.5 and figure 4.3. Total population of the village is 1796 out of this 600 male population is working population while 402 populations is female working population.

Table 4.5: Functional Classification

Category	Total Population	Percentage
Cultivators	350	34.93
Agricultural Labor	555	55.38
Other	97	9.68
Total	1002	100

(Source: Field Work)

Fig. 4.3 Functional Classification



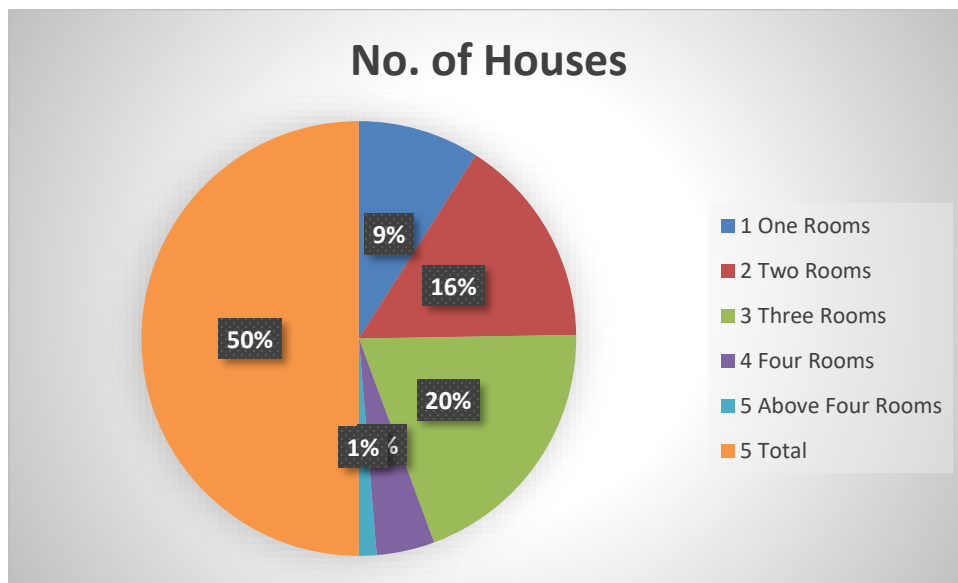
According to the total working population, 34.93 percent population of the village is cultivators. 55.38 percent population is Agricultural labor. The percentage of other workers is 9.68. It means maximum people working in the sector of agricultural farming.

4.7: House Structure

Table 4.6: Rooms in House

Sr. No.	Total Rooms	No. of Houses	%
1	One Rooms	69	18.06
2	Two Rooms	120	31.41
3	Three Rooms	150	39.27
4	Four Rooms	33	8.64
5	Above Four Rooms	10	2.62
	Total	382	100

(Source: Field Work)

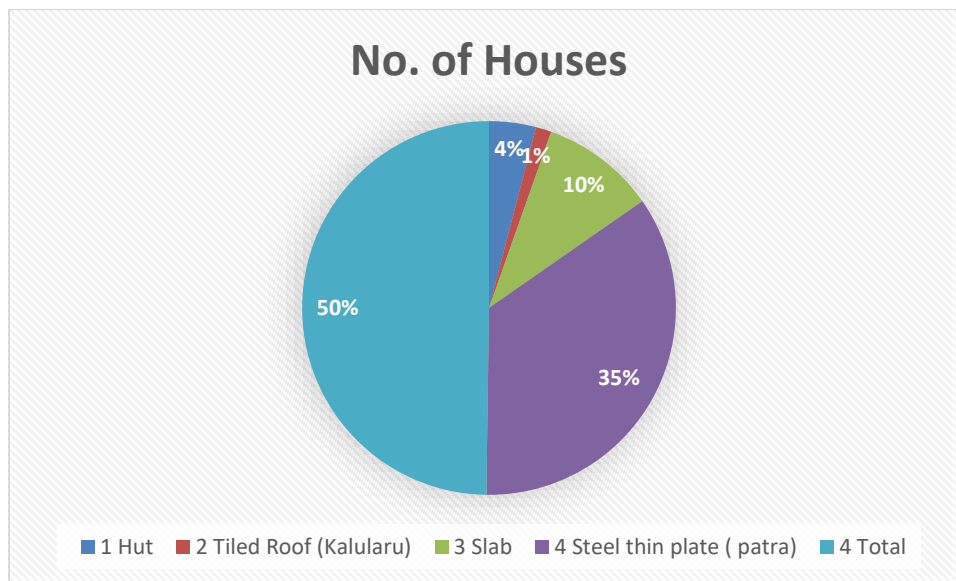


Different house types are observed in Krantinagar village. The house types are classified in five categories, like hut, tiled roof (Kouлару House), slab, steel thin plates (use Metal sheet for roof), RCC and other mix type. Table 4.8 shows number of various types of houses and percentage of these houses.

Table 4.7: Type of House

Sr. No.	House Type	No. of Houses	%
1	Hut	18	8.14
2	Tiled Roof (Kalularu)	6	2.71
3	Slab	44	19.90
4	Steel thin plate (patra)	155	70.13
	Total	221	100

(Source: Field Work)



More than 2.71 percent houses (06 houses out of 221 total houses) are built by using Tiled Roof (Kaularu), & only 18 (8.14 percent) houses are Huts, while 155 (70.13 percent) houses are made up of Steel thin plate (metal Plate) and 44 (19.90 percent) houses are made up cement concrete slab table 4.8.

4.8: Agricultural Characteristics

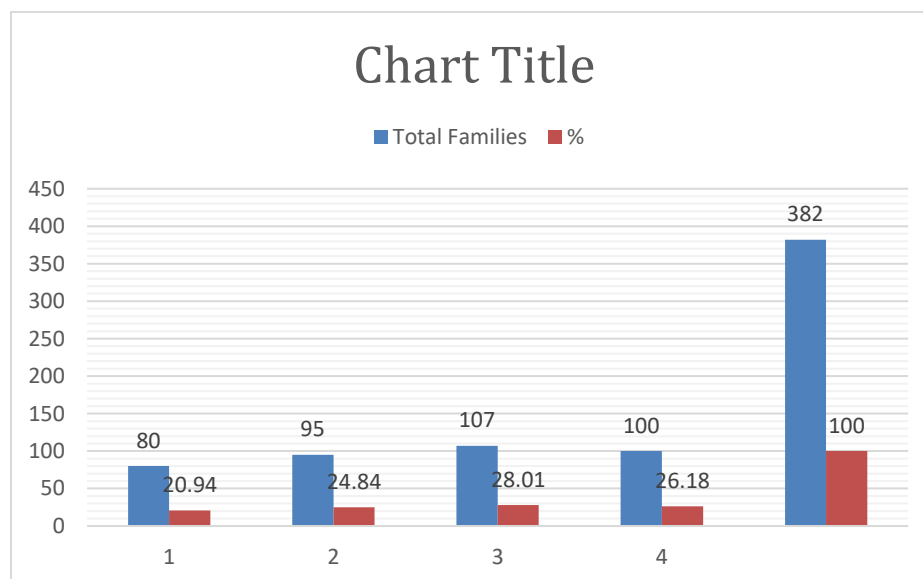
We collect the data of 221 families. Out of the 382 families only 302 (75.03 percent) families belongs to its own farm land. It means 80 (20.94 percent) families not having there agricultural land. We collect the data of 221families. Total population of the 382 families in the village is 1796. Out of 382 families, only 302 families belong to its own farm land, Out of these 382 families 200 families having irrigated land and reaming families (102 families) having non-irrigated land.

Land holding of the families is classified in three categories (table 4.9). The families having less than two acre farm land it is known as low land holders, families having two to five acre land known as medium land holders. While families having above 5 acre land known as high land holders.

Table 4.8: Agricultural land Holding Families

Sr. No.	Agricultural Land Holding		Total Families	%
1	Landless	-	80	20.94
2	Below 2 acre	Low	95	24.84
3	2 to 5 acre	Medium	107	28.01
4	Above 5 acre	High	100	26.18
	Total		382	100

(Source: Field Work)

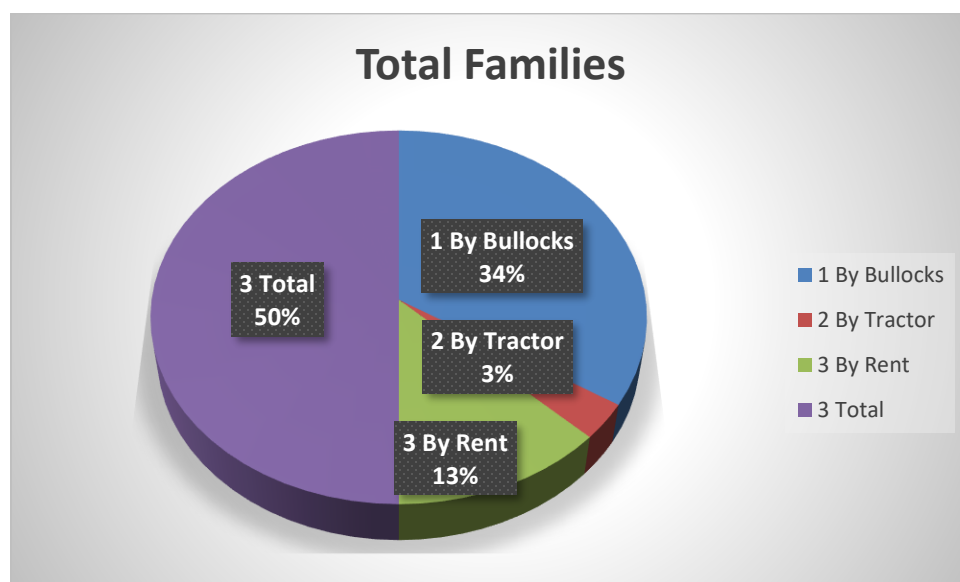


According to the collected data there are 175 (34.48 percent each) families having low land and 100 families having (26.18 percentage) high land, while only 107 (28.01) percent families comes medium land holding capacity (table 4.9).

Table 4.9 Type of cultivation

Sr. No.	Cultivation Type	Total Families	%
1	By Bullocks	260	68.06
2	By Tractor	24	6.8
3	By Rent	98	25.65
	Total	382	100

(Source: Field Work)



Cultivation system of the farmers is like used cultivated by bulls, by tractors and by rent. Total 260 (68.06 percentage) Family. Used there bulls for cultivate there agricultural land, while 24 (6.8 percent) families cultivated there land by tractors and 98 (25.65 percent) farmers cultivated there land by rent (table 4.10).

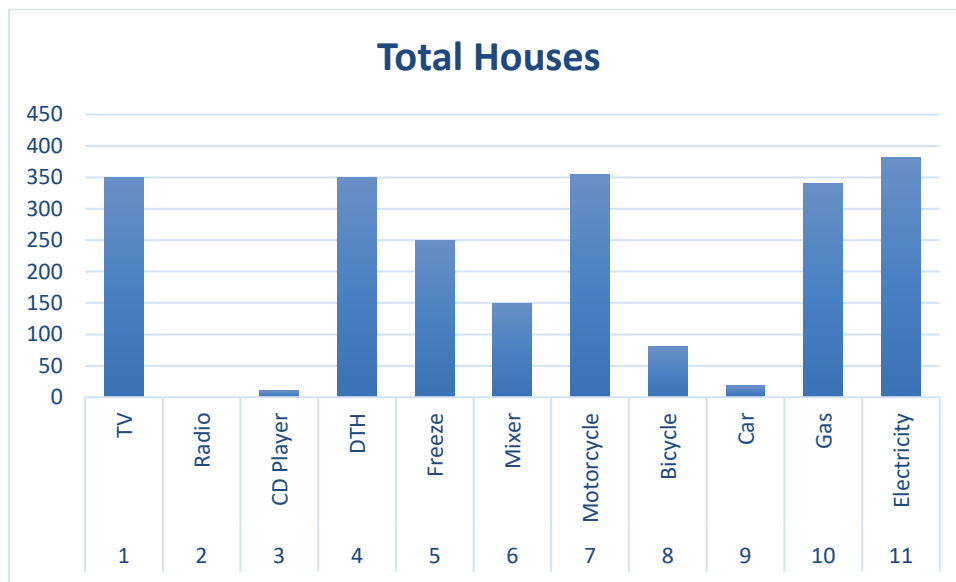
4.9: Facilities and Amenities

The common facilities and amenities in Krantinagar village is like Primary school, High school, Gram Panchayat, Samajmandir, Electricity, common water supply scheme etc. are provided by the government.

Table 4.11 shown Individual facilities and amenities in Krantinagar village is like use of TV, Radio, CD Player, DTH box, Freeze, Mixture, Motorcycle, Bicycle, Car, & use of Gas for Cooking, use of electricity in their own houses etc. Total 382 Families used electricity in their houses while 350 families used TV and only 340 families used Gas for their cooking. It means remaining families used wood for their cooking. This shown that the peoples of the villages fully depend upon the farming, their primary source of income.

Table 4.10: Facilities in Families

Sr. No.	Facility	Total Houses
1	TV	350
2	Radio	00
3	CD Player	10
4	DTH	350
5	Freeze	250
6	Mixer	150
7	Motorcycle	355
8	Bicycle	80
9	Car	18
10	Gas	340
11	Electricity	382



Drinking water is the major problem of this village. Public taps and hand pumps and wells are the source of drinking water. The water through the wells is not adequate, hence, the problems acute in summer. The waste of the houses is seen scattered on the streets in absence of proper arrangement for its removal. Due to lack of proper drains the waste water collects on the roads and pollutes the atmosphere.

Though public latrine (Sulabh Shauchalay) will not provide, people use open space for latrine, this is one major event of pollution. Street light have been provided on main roads but not in small streets. About 97.50% people have taken electric connection for domestic use, while the rest use electricity for their neighbors per month rental. There is no facility of health, park, play-grounds or any other type of recreation in the locality.

4.10: Nutritional State and Dietary Habit

The dietary habits and the pattern of food intake are directly related with income and social customs. Bhakri (Bajra), Chapatti and rice are the staple food and a common dish right from breakfast to dinner round the year. In the lunch, generally Roti, Bhakri (Bajra), Chapatti or rice with pulse or vegetables is taken. People of better financial condition take Chapatti, rice, Pulses, vegetables or non-vegetable. Items in the dinner again the roti, rice, Bhakri (Bajra), chapatti, vegetable, pulse are repeated.

Chapter – 5

Summary, Conclusion and Suggestions

5.1 Summary & conclusion

Geography is primarily a field study or a field observation concerned with accurate orderly and interpretation of the various characters of the earth surface. This is the importance of the field training for the students of geography. Geography is hardly exaggerated subject matter.

Krantinagar is one of the villages in Maharashtra. It is very close to Nandgaon city. Therefore, it has several human and physical challenges. In agriculture sector also it gets more benefits. Krantinagar village has an area of 537.44 hectare and a population is 1796 (2021 Census/Talathi record). The main stream (River Shakambari) of the north-eastern hills in the Ajantha which is runs east to West proportion of the village.

The precise aim of this study is to assess and analyze geographically, describe and interpret the pattern of family background of Krantinagar village of Nandgaon Tahsil in the Nashik district with a view to investigate certain physical and socio-economic variables involved in land use patterns and provide meaningful investigation for making suitable, proper and efficient land use.

The primary data collected by face to face interviews of villager/farmers, using questionnaires. The delimitation of the village wills attempted by marking out the watershed of river for which following Indian topographical maps published by Survey of India used for the study.

Krantinagar village located to the South west of Nandgaon Tahsil therefore easy to say that region is undulation region. The height of Krantinagar village is 7475m above mean sea level, Slope of the Krantinagar village from south to north.

Krantinagar village is located to the left bank of Shakambari River which is the sub tributary of River Girna Krantinagar village comes under in Girna river basin.

The study region experience intensive heat in summer and intensive cold in winter. The intensive heat in summer is drier and affects the vegetation in stopped its growth. Annual rainfall of the village is recorded up to 580 mm. This village receives about 85% rainfall during the south west monsoon winds.

In 2022 68.51 percent area under Net sown land, 2.43 percent area found in waste land and 27 percent area is not available for cultivation.

There is big variation in Net Sown area. In 2022 irrigated land is 368.25 hectare, while non-irrigated land is 169.19 hectare.

We the students of S.Y.B.A/Y.Y.B.A Geography have selected Krantinagar village of Nandgaon Tahsil in Nashik district. The village has 382 houses with 1796 population. The questionnaire was administrated to 221 families and identified the socio-economic and occupational structure of villagers. In the socio economic survey it includes the sex ratio, age sex ratio, marital status, literacy, occupation family structure, house type, area of the house, total rooms in the house, agricultural land belongs to each family, types of agriculture, monthly income of the families, amenities and facilities of each families in Krantinagar village.

Total surveyed population of Krantinagar village is 1796, containing 956 male and 840 females, the percentage being 46.77 and 53.22 respectively. As such the sex ration is 878 females per thousand **male (1000:878)**.

The marital structure of this village is shown in table 4.1. There are 56.57 percent people married while 40.77 percent people are unmarried and 2.66 percent people are widows.

The age sex structure of Krantinagar village is shown in table 4.2 and figure 4.1 Total populations of the surveyed families is **622**; out of this male population are 380 while female population is 242. The sex ratio of the population is 878 females per 1000 male population. As per the data shown in table 4.2 total working populations is 400, while the depending population is 242. According to this data the dependency ratio is 500 people per thousand people.

18.32 percent (70) families found under very low monthly income group, 27.75percent (106) families observed high monthly income, and 12.04 percent (46) families having very high monthly income Total population of the village is 1796 out of this 600 male population is working population while 402 population is female working population.

According to the total working population, 34.93 percent population of this village is cultivators. 55.38 percent population is Agricultural labor. The percentage of other workers is 9.68 percentages. It means maximum people working in the agricultural farm.

More than 2.71 percent houses (06 houses out of 221 total houses) are built by using Tiled Roof (Kaularu), & only 18 (8.14 percent) houses are Huts, while 155 (70.13 percent) houses are made up of Steel thin plate (metal Plate) and 44 (19.90 percent) houses are made up cement concrete slab

We collect the data of 221 families. Out of the 382 families only 302 (75.03 percent) families belongs to its own farm land. It means 80 (20.94 percent) families not having there agricultural land. We collect the data of 221families. Total population of the 382 families in the village is 1796. Out of 382 families, only 302 families belong to its own farm land. Out of these 382 families 200 families are having irrigated land and reaming families (102 families) having non-irrigated land.

According to the collected data there are 175 (34.48 percent each) families having low land and 100 families having (26.18 percentage) high land, while only 107 (28.01) percent families comes medium land holding capacity

Cultivation system of the farmers is like used cultivated by traditional ways-bulls, by tractors and by rent. Total 260 (68.06 percentage) Family used there bulls for cultivate there agricultural land, while 24 (6.8 percent) families cultivated there land by tractors and 98 (25.65 percent) farmers cultivated there land by rent

Individual facilities and amenities in Krantinagar village is like use of TV, Radio, CD Player, DTH box, Freeze, Mixture, Motorcycle, Bicycle, Car, & use of Gas for Cooking, use of electricity in their own houses etc. Total 382 Families used electricity in their houses, while 350 families used TV and only 340 families used Gas for their cooking. It means remaining families used wood for their cooking. This shown that the peoples of the villages fully depend upon the farming, their primary source of income.

Drinking water is the major problem of this village. Public taps and hand pumps and wells are the source of drinking water. The water through the wells is not adequate, hence, the problems acute in summer. The waste of the houses is seen scattered on the streets in absence of proper arrangement for its removal. Due to lack of proper drains the waste water collects on the roads and pollutes the atmosphere.

Though public latrine (Sulabh Shauchalay) will not provide, people use open space for latrine, this is one major event of pollution. Street light have been provided on main roads but not in small streets. About 97.50% people have taken electric connection for domestic use, while the rest use electricity for their neighbors per month rental. There is no facility of health, park, play-grounds or any other type of recreation in the locality.

The dietary habits and the pattern of food intake are directly related with income and social customs. Bhakri (Bajra), Chapatti and rice are the staple food and a common dish right from breakfast to dinner round the year. In the lunch, generally Roti, Bhakri (Bajra), Chapatti or rice with pulse or vegetables is taken. People of better financial condition take Chapatti, rice, Pulses, vegetables or non-vegetable. Items in the dinner again the roti, rice, Bhakri (bajara), chapatti, vegetable, pulse are repeated.

5.2: Problems and Prospects

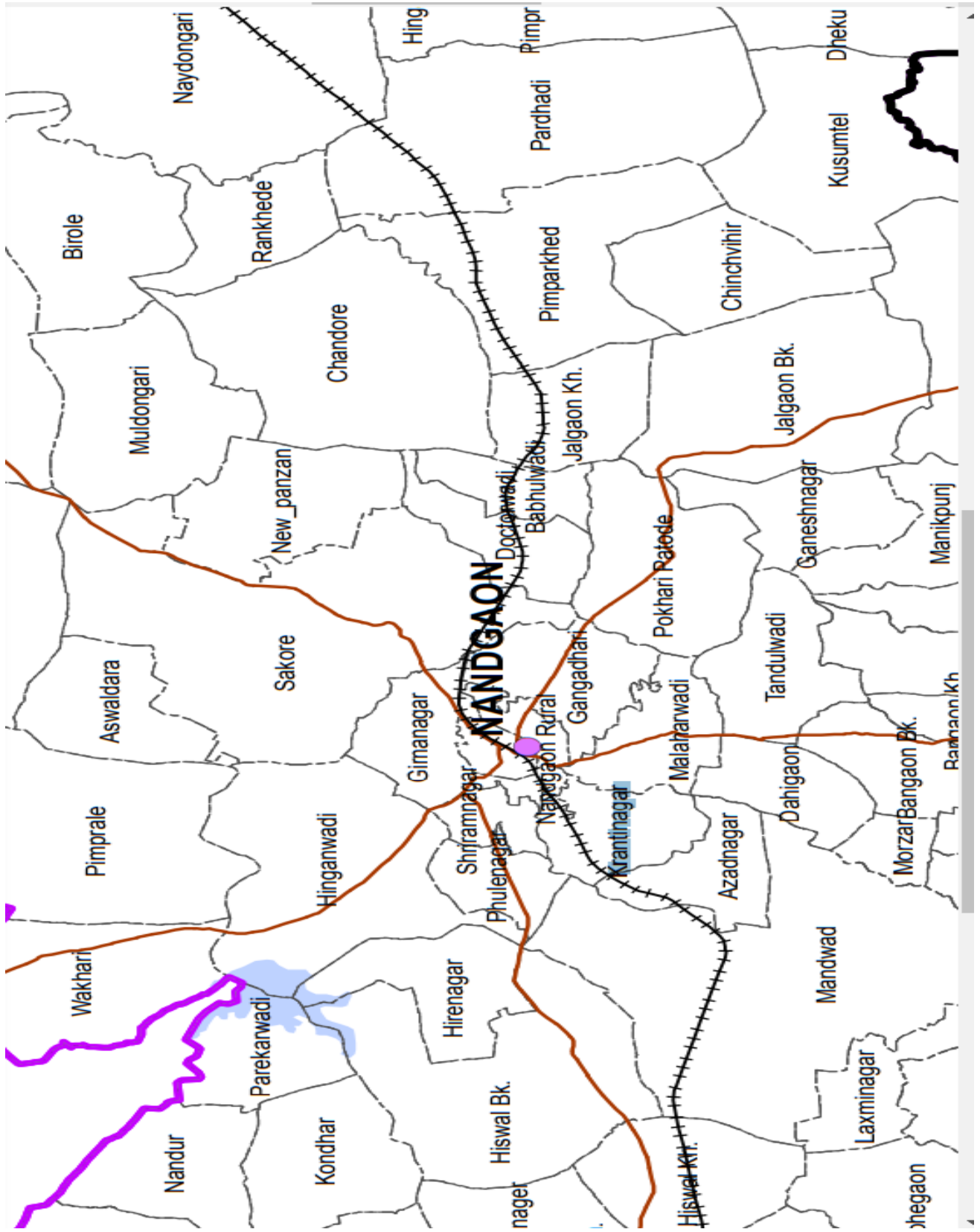
The major problem of these people are sub-standard housing, insanitation, lack of public amenities like water supply, lavatory, sewage, water and air pollution, lack of recreational facilities and unemployment. Some schemes of Government have been launched like 'Slum Clearance and improvement scheme' of Central Government, 'Maharashtra Slum Clearance Board' of State Government is working for rehabilitation and environmental improvement. Some other schemes of state government are also in action like 'Gramin Awas Yojna', 'Environmental Improvement scheme', Indira Vikas Yojna', 'Slum Clearance Scheme', for providing basic amenities and facilities.

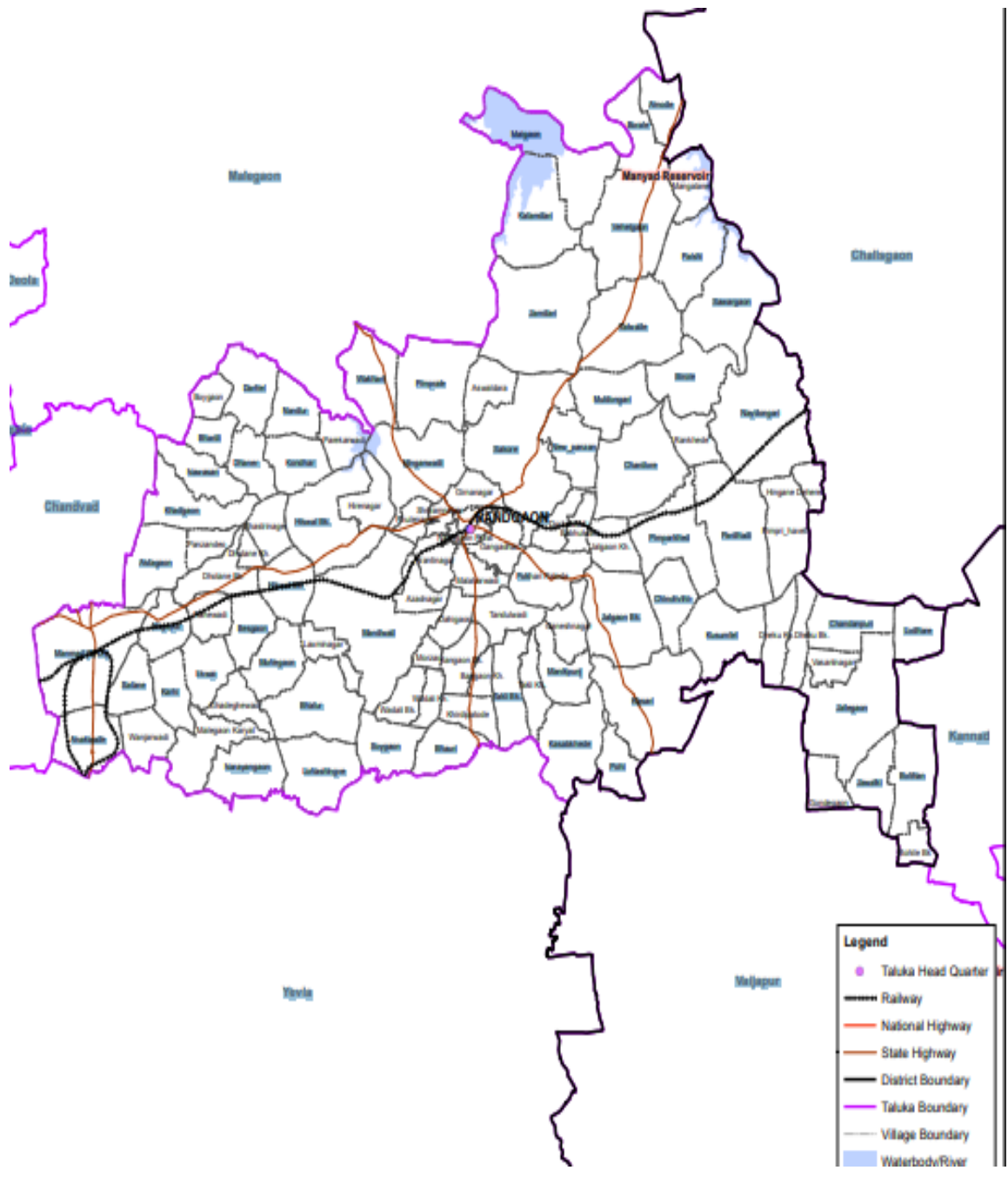
Although Krantinagar village is one village where slum improvement activities have been done under various schemes of slum improvement, like concreting of streets, construction of roads and drains, yet provided basic amenities and facilities are not satisfactory. The

Government has launched several loan schemes and community Development Programs for weaker sections and minorities, but these people are not properly aware of these schemes and hence are not the beneficiaries. Some people, who have tried for the benefits of these schemes, could not get loans due to the lengthy formalities and processes.

1. Housing and land ownership, proper supply of water and electricity, drains, lavatories, sanitation, concreting of streets and street light etc. for providing basic amenities.
2. Loans should be provided for construction and repair of house as well as for increasing the agricultural product.
3. Education can bring them forth for their social and economic upliftment.
4. The proper implementation of various Govt. Schemes through easier processes may be helpful in providing employment facilities and upliftment of their economic conditions. The emerging Non Govt. Organizations (NGOs) can help in this direction.
5. Employment opportunities should be provided for the socio economic upliftment, which can help in the improvement of their nutritional state.
6. Nutritive food items should be distributed among these people.
7. Health camps should be arranged and medical facilities should be provided free of cost.

THANKS






- Legend**
- Taluka Head Quarter
 - Railway
 - National Highway
 - State Highway
 - District Boundary
 - Taluka Boundary
 - Village Boundary
 - Waterbody/River


Class: T.Y.B.A. Village Survey Report

Sr. No. Name of the student



- 1) Mokal Sopan Manikao
- 2) Khade Nisha Himaman
- 3) Patil Asha Aeun
- 4) Mokal Nikita Balkeushna
- 5) Ahee Rutuja Punjaram
- 6) Sawant Prasad Shantaram
- 7) Deshmukh Sweta Anil
- 8) Padwal Sheuti Vijay
- 9) Ahee Tejswi Nandasheb
- 10) Jaware Gayatri Dinesh
- 11) Lohakare Navnath Tukaram
- 12) Ahee Jayshei Ashok
- 13) Shinde Tejas Mukund
- 14) Ahee Akshay Shantaram
- 15) Uswal Pramod Suresh
- 16) Deshmukh Rohit Vijay
- 17) Zungal Akshay Dattatray


(Smt. Awarre S. M.)


(Prof. Kalskar L. A.)

Class: S.Y.B.A. Village Survey Report

Sr. No. Name of the Student



- 1) Dole Kailas Bhivra
- 2) Thakare Bhushan Mangilal
- 3) Jadhav Chaitali Milind
- 4) Pawar Gopakhanath Dattateya
- 5) Bagul Pratiksha Ashok
- 6) Prajapat Vijay Bansilal
- 7) Parekar Rohini Ramesh
- 8) Gaikwad Kamalakar Ganpat
- 9) Gaud Rohit Prakash
- 10) Ahekar Kajal Santosh
- 11) Gaud Srushti Kailas
- 12) Jadhav Dnyaneshwar Dinkar
- 13) Ippar Roshan Dharmaraj
- 14) Ugale Vidya Bansilal
- 15) Mahale Sobali Baban
- 16) Jadhav Rekha Sanjay
- 17) Ahekar Pooja Sambhaji
- 18) Somase Pooja Baburao
- 19) Chavle Chanchal Vitthal
- 20) Mokal Pravin Bhagwan

(Smt. Awarde S.M.)

(Prof. Kalskar L.A.)



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1.3.2. Number of courses that include experiential learning through project work/field work/ internships during the year 2021-2022

Course: TYBCOM Project Guide Mr S L Pawar

Sr. No	Name of Students	Title of the Project	Project Guide	Page no.
1	Aher Lalita Vijay	A Survey on: Internet Banking, ATM,Credit Card, Debit Card Users in Nandgaon	Mr.S.L.Pawar	1
2	Aushikar Kartik Suresh	A Survey on: Internet anking,ATM,Credit Card,Debit Card Users in my Village.	Mr.S.L.Pawar	2
3	Bhalekar Harshada Dnyaneshwar	Internet Banking,ATM,Credit Card,Debit Card Users in Malharwadi.	Mr.S.L.Pawar	3
4	Bhavsar Yash Nitin	Internet Banking,ATM,Credit Card,Debit Card Users in Jalgaon Bk.Nandgaon.	Mr.S.L.Pawar	4
5	Bodke Jayesh Pandharinath	Internet Banking,ATM,Credit Card,Debit Card Users in my Village.	Mr.S.L.Pawar	5
6	Bora Ronak Deepak	Internet Banking,ATM,Credit Card,Debit Card Users in mahaveer Marg Nandgaon.	Mr.S.L.Pawar	6
7	Chaudhari Rinku Hemant	Internet Banking,ATM,Credit Card,Debit Card Users in Swami Vivekanand Nagar Nandgaon.	Mr.S.L.Pawar	7
8	Chaugule Pooja Kishor	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in Mokal nagar Nagar Nandgaon.	Mr.S.L.Pawar	8
9	Chavan Vishal Uttam	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in Kalamdhari Nandgaon.	Mr.S.L.Pawar	9
10	Devare Dipali Rajendra	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in my village.	Mr.S.L.Pawar	10
11	Fodse Sunita Sukhdeo	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in Pimparkhed village Nandgaon.	Mr.S.L.Pawar	11
12	Gaikwad Hrutik Vilas	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in my area.	Mr.S.L.Pawar	12
13	Gaikwad Yogita Maruti	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in bhauree Village Nandgaon.	Mr.S.L.Pawar	13
14	Ghodake Manisha Valmik	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in Takali Village Nandgaon.	Mr.S.L.Pawar	14
15	Ghuge Priyanka Nandu	Internet Banking,ATM,Credit Card,Debit Card Users in Takali Village Nandgaon.	Mr.S.L.Pawar	15
16	Gosawi Chetan Valmik	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in Hiswahal Bk. Village Nandgaon.	Mr.S.L.Pawar	16
17	Gupta Poonam Dipak	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in your Village.	Mr.S.L.Pawar	17
18	Hasalkar Pratik Dattatray	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in your Village or Area.	Mr.S.L.Pawar	18
19	Ighe Bhushan Santosh	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in your Village.	Mr.S.L.Pawar	19
20	Irpate Monali Narayan	A Survey on Pan Card Holders in Anandnagar Nandgaon.	Mr.S.L.Pawar	20
21	Jagtap Rohit Karbhari	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in Nimgaon Village.	Mr.S.L.Pawar	21
22	Jaiswal Neha Sandip	A Survey on Internet Banking,ATM,Credit Card,Debit Card Users in Doctorwadi Village.	Mr.S.L.Pawar	22

23	Jejurkar Tanuja Pralhad	A Survey on Pan Card Holders in Mokalwada Nandgaon.	Mr.S.L.Pawar	23
24	Joshi Satyam Shrikant	A Survey on Pan Card Holders in Sonya Maruti Nandgaon.	Mr.S.L.Pawar	24
25	Kaklij Priyanka Machhindra	A Survey on Pan Card Holders in Kranti nagar Nandgaon.	Mr.S.L.Pawar	25
26	Kaklij Shubham Bapu	A Survey on Pan Card Holders in Nandgaon Nagar.	Mr.S.L.Pawar	26
27	Kamat Amankumar Rajkumar	Social Survey on Pan Card in Nandgaon.	Mr.S.L.Pawar	27
28	Kande Gayatri Dharma	A Survey on Pan Card Holders in Jalgaon Nandgaon.	Mr.S.L.Pawar	28
29	Kande Narendra Rajendra	A Survey on Pan Card Holders in Jalgaon Nandgaon.	Mr.S.L.Pawar	29
30	Karnar Shilpa Shrawan	A Survey on Pan Card Holders in Dahegaon Nandgaon.	Mr.S.L.Pawar	30
31	Khairnar Bali Daga	A Survey on Pan Card Holders in Malharwadi Nandgaon.	Mr.S.L.Pawar	31
32	Khairnar Chetana Ravindra	A Survey on Pan Card Holders in Khairnar Vasti Nandgaon.	Mr.S.L.Pawar	32
33	Khairnar Tejashri Maruti	A Survey on Pan Card Holders in Shriram Nagar & Mahajanwada Nandgaon.	Mr.S.L.Pawar	33
34	Korde Akash Sunil	A Survey on Pan Card Holders in Wadali Bk.Nandgaon.	Mr.S.L.Pawar	34
35	Korde Sayali Nandlal	A Survey on Pan Card Holders in Wadali Bk.Nandgaon.	Mr.S.L.Pawar	35
36	Mahajan Bhushan Bharat	A Survey on Pan Card Holders in Dahegaon Bk.Nandgaon.	Mr.S.L.Pawar	36
37	Mahajan Sakshi Bharat	A Survey on Pan Card Holders in Dahegaon Bk.Nandgaon.	Mr.S.L.Pawar	37
38	Mahajan Shubhangi Ashok	A Survey on Pan Card Holders in Panzan Road Sakore Nandgaon.	Mr.S.L.Pawar	38
39	Mahale Rohit Sanjay	A Survey on Pan Card Holders in Jeur Nandgaon.	Mr.S.L.Pawar	39
40	Mankar Shraddha Sudhir	A Survey on Pan Card Holders in Nandgaon.	Mr.S.L.Pawar	40
41	Nikam Jayashri Baburao	A Survey on Pan Card Holders in Malharwadi Nandgaon.	Mr.S.L.Pawar	41
42	Palhal Navnath Bhausahab	A Survey on Pan Card Holders in Hiswahal Bk. Nandgaon.	Mr.S.L.Pawar	42
43	Parekar Poonam Ramesh	A Survey on Pan Card Holders in Dahegaon Bk.Nandgaon.	Mr.S.L.Pawar	43
44	Patel Charul Himmat	A Survey on Pan Card Holders in Laxminagar.Nandgaon.	Mr.S.L.Pawar	44
45	Pathan Rozmeen Mushtaque Khan	A Survey on Pan Card Holders in Nandgaon.	Mr.S.L.Pawar	45
46	Patil Vaibhav Prabhakar	A Survey on Pan Card Holders in Kranti nagar Nandgaon.	Mr.S.L.Pawar	46
47	Pawar Alisha Bapu	A Survey on Pan Card Holders in Takali Nandgaon.	Mr.S.L.Pawar	47
48	Pawar Manoj Sanjeev	A Survey on Pan Card Holders in Kailas Nagar Nandgaon.	Mr.S.L.Pawar	48
49	Pawar Maya Dhanraj	A Survey on Pan Card Holders in Takali Nandgaon.	Mr.S.L.Pawar	49
50	Pawar Megha Shankarrao	A Survey on Graduate & Post Graduate people in Nandgaon.	Mr.S.L.Pawar	50

51	Pawar Rutuja Abasaheb	A Survey on Graduate & Post Graduate people in Pardhadi Village Nandgaon.	Mr.S.L.Pawar	51
52	Pawar Vaibhav Sheshrao	A Survey on Graduate & Post Graduate people in Takali Village Nandgaon.	Mr.S.L.Pawar	52
53	Pawar Vaishnavi Pradip	A Survey on Graduate & Post Graduate people in Devigalli Nandgaon.	Mr.S.L.Pawar	53
54	Salunke Pratik Ravindra	A Survey on Graduate & Post Graduate people in Naidongari Village Nandgaon.	Mr.S.L.Pawar	54
55	Salunke Yashwant Rajendra	A Survey on Graduate & Post Graduate people in Nandgaon.	Mr.S.L.Pawar	55
56	Sanap Nisha Babu	A Survey on Graduate & Post Graduate people in Nandgaon.	Mr.S.L.Pawar	56
57	Sarode Bhumi Sunil	A Survey on Graduate & Post Graduate people in Jalgaon Kh. Nandgaon.	Mr.S.L.Pawar	57
58	Sarode Sagar Sanjay	A Survey on Graduate & Post Graduate people in Jalgaon Kh. Nandgaon.	Mr.S.L.Pawar	58
59	Shinde Kaveri Ramesh	A Survey on Graduate & Post Graduate people in Dahegaon Nandgaon.	Mr.S.L.Pawar	59
60	Sonawane Mohit Dhanraj	A Survey on Graduate & Post Graduate people in Malharwadi Nandgaon.	Mr.S.L.Pawar	60
61	Sonawane Monali Rajendra	A Survey on Graduate & Post Graduate people in Bhauri Nandgaon.	Mr.S.L.Pawar	61
62	Surse Shailesh Sunil	A Survey on Graduate & Post Graduate people in Sakore Village Nandgaon.	Mr.S.L.Pawar	62
63	Thorat Mayuri Vijay	A Survey on Graduate & Post Graduate people in Malharwadi Village Nandgaon.	Mr.S.L.Pawar	63
64	Tinpayle Krushna Dasharath	A Survey on Graduate & Post Graduate people in Morzar Village Nandgaon.	Mr.S.L.Pawar	64
65	Torane Hindvi Ravindra	A Survey on Graduate & Post Graduate people in Nandgaon area.	Mr.S.L.Pawar	65
66	Tribhuvan Kalyani Kailas	A Survey on Graduate & Post Graduate people in Krantinagar Nandgaon area.	Mr.S.L.Pawar	66
67	Wadalkar Umesh Sunil	A Survey on Graduate & Post Graduate people in Girna nagar Nandgaon area.	Mr.S.L.Pawar	67
68	Khairnar Sayali Dnyaneshwar	A Survey on Pan Card Holders in Nandgaon.	Mr.S.L.Pawar	68



Principal
Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.H.)



MARATHA VIDYA PRASARAK SAMAJ, NASHIK

ART'S COMMERCE & SCIENCE COLLEGE

NANDGAON


TAL-NANDGAON, DIST-NASHIK 423106

CERTIFICATE

This is to certify that the work entered in this **Scientific Survey/Societal Survey** is the work of **Miss/Mrs – Bhavsar Yash Nitin** who has worked for the **Sem-5** of the **Year-2021-2022** in the **Art's Commerce & Science College Nandgaon** she has completed project work in the subject.

“जळगाव बुद्रुक या गावातील ए. टी. एम कार्ड, क्रेडीट कार्ड, डेबिट कार्ड व इंटरनेट बँकिंग वापरणाऱ्या लोकांची माहिती”

Prof.S.LPawar


(Project Guide)
26.02.2022




Pri. Dr.S.A.Marathe

(Principal)



MARATHA VIDYA PRASARAK SAMAJ, NASHIK

ART'S COMMERCE & SCIENCE COLLEGE

NANDGAON


TAL-NANDGAON , DIST-NASHIK 423106

CERTIFICATE

This is to certify that the work entered in this **Scientific Survey/Societal Survey** is the work of **Miss/Mrs – Gosavi Chetan Walmik** who has worked for the **Sem-5** of the year-**2021-2022** in the **Art's Commerce & Science college Nandgaon** she has completed project work in the subject.

“हिसवळ बुद्रूक या गावातील किंवा नगरातील ए. टी. एम कार्ड, क्रेडीट कार्ड, डेबिट कार्ड व इंटरनेट बँकिंग वापरणाऱ्या लोकांची माहिती”

Prof.S.LPawar


(Project Guide)
26.02.2022




Pri. Dr.S.A.Marathe

(Principle)

1.3.2. Number of courses that include experiential learning through project work/field work/ internships during the year 2021-2022

Course: M. Com-II

Sr. No	Name of Students	Title of the Project	Project Guide	Page no
1	Bagul Namrata Arvind	The Study of Paithani Business and Its marketing in Yeola,nashik	Mr.S.L.Pawar	1
2	Darade Swati Valmik	Comparative Study of Gangadhari and Malharwadi Gram panchayat Nandgaon.	Mr.S.L.Pawar	2
3	Durde Shital Balasaheb	The Study of Shames provided by Manmad Post office, Nandgaon.	Mr.S.L.Pawar	3
4	Gaikwad Prashant Janardan	The Study of Financial Status of Suyas Private Limited Nandgaon.	Mr.S.L.Pawar	4
5	Ghuge Jugal Babasaheb	The Study of Significance of Small Businesses in Maharashtra	Mr.S.L.Pawar	5
6	Hire Deepak Dagadu	The Study of Milk Producing Industry in Yeola.	Mr.S.L.Pawar	6
7	Jadhav Nilam Hiranman	The Study of administration of agricultural market Produce Companies in Nandgaon.	Mr.S.L.Pawar	7
8	Jaware Yogesh Satish	The Study of Whole seller & retailer Laborer in Yeola, Nashik.	Mr.S.L.Pawar	8
9	Karwa Trupti Kachrudas	The Study of administration & Management of agricultural market Produce Companies in Nandgaon.	Mr.S.L.Pawar	9
10	Khairnar Neha Maruti	The Study of Loan Scheme Provided by Anand Nagari Sahakari Path Sanstha Nandgaon.	Mr.S.L.Pawar	10
11	Nikam Prashant Manoj	The Study of Administration of Post office Schemes in Nandgaon.	Mr.S.L.Pawar	11
12	Nikam Rushikesh Manoj	The Study of Administration and Process Grameen Hospital in Nandgaon	Mr.S.L.Pawar	12
13	Raoandore Gauri Narendra	The Study of administration of agricultural market Produce Companies in Manmad.	Mr.S.L.Pawar	13
14	Sanap Swati Sanjay	The Study of Administration & Procedure of Bhartiya Reserve Bank in India.	Mr.S.L.Pawar	14
15	Sharma Payal Dilip	A Study of Women Saving Group in Nandgaon	Mr.S.L.Pawar	15
16	Shinde Vidya Anil	The Study of Administration of Milk Producing Industry in Yeola.	Mr.S.L.Pawar	16
17	Sonawane Pratiksha Dhanraj	Comparative Study of Nagari Pathsansthas in Nandgaon.	Mr.S.L.Pawar	17
18	Suryavanshi Pooja Sunil	The Study of Capitalization & Deposits of Saptshrungi Nagari Mahila Path Sanstha, Nandgaon.	Mr.S.L.Pawar	18
19	Ubale Mayuri Dipak	The Study of Administration & Procedure of Deepak Industries (Priya Neel) in Nandgaon.	Mr.S.L.Pawar	19
20	Varathe Pravin Suresh	The Study of Procedure of Organic Farming & Its Management.	Mr.S.L.Pawar	20



Principal
Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.H.)



MARATHA VIDYA PRASARAK SAMAJ, NASHIK
ARTS, COMMERCE & SCIENCE COLLEGE, NANDGAON
TAL- NANDGAON, DIST- NASHIK 423106

CERTIFICATE

Miss/Mrs. Jahdav Nilam Hiranman,
(Seat No.) M.Com Part- 2 Student
during the Academic Year 2021-2022. She Has
Completed Project Work In The Subject.

**“नांदगाव कृषी उत्पन्न बाजार समिती” येथील
व्यवस्थापन व प्रशासनाचा अभ्यास.**

(Prof. S. L. Pawar)

Project Guide

(Dr. S. N. Shinde)

Principal



**MARATHA VIDYA PRASARAK SAMAJ, NASHIK
ARTS, COMMERCE & SCIENCE COLLEGE,
NANDGAON
TAL- NANDGAON, DIST- NASHIK 423106**

CERTIFICATE

Miss/ Mrs. Wagh Shweta Valmik

(Seat No.) M.Com Part-2 Student during
the Academic Year 2021-22. She Has Completed
Project Work In The Subject.

“नांदगाव तहसील कार्यालय कार्यपद्धती व प्रशासन”


(Prof. S.L.Pawar)

Project Guide


(Dr.S.N.Shinde)

Principal



Maratha Vidya Prasarak Samaj's

Arts, Commerce and Science College, Nandgaon
Tal – Nandgaon, District Nashik – 423106 (M.S.) India.

E-mail: prinnandgaon@yahoo.com

Website: www.nandgaoncollege.com

Mobile No. 8766876955

Certified 2 (f) & 12 b of UGC Act
Affiliated to Savitribai Phule Pune University
(Id. No. PU/NS/ASC/021/1972)
College Code-116 Exam Centre Code -064

Best College Award of Savitribai Phule Pune University (2012)
NAAC Reaccredited with 'A' Grade 3rd Cycle

Outward No: 18085/2022-23

Date : 06.10.2022

To,
The Principal,
Arts, Commerce and Science College, Nandgaon.

Subject : Regarding to Study Tour

Reference : Your letter no. 703/2022-23 Date : 30.09.2022

In view of the above subject and reference form, you are hereby informed that the one day educational trip of the Department of Botany and Zoology of our college on 10th October 2022 to Bhandardara Taluka Akole District Ahmednagar and back to Nandgaon will be permitted to carry seats of Maharashtra State Transport Board only. It should be noted that the full responsibility of the head of the branch to ensure that no inappropriate behavior will take place is on you and the concerned teachers and after returning from the trip, you should submit the complete accounting report of the trip to the central office.



Principal
Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.F.)

मराठा विद्या प्रसारक
समाज, नाशिक

मध्यवर्ती कार्यालय :

शिवाजी नगर, गंगापूर रोड,

नाशिक - ४२२ ००२.

फोन : (०२५३) २५७४५११, २५७३४२२

फॅक्स : (०२५३) २५७९८६३



MARATHA VIDYA PRASARAK
SAMAJ, NASHIK

CENTRAL OFFICE : Shivaji Nagar,
Gangapur Road, Nashik - 422 002.

Tel. : (0253) 2574511, 2573422

Fax : (0253) 2579863

E-mail : ndmvpsamajnashik@yahoo.co.in

Website : www.mvp.edu.in

जावक क्रमांक:- १७७५ / २०२२-२३

दिनांक - ०६.१०.२०२२

प्रति

प्राचार्य

कला, वाणिज्य व विज्ञान महाविद्यालय,
नांदगाव

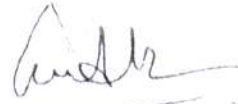
विषय:- सहलीस परवानगी बाबत...

संदर्भ:- आपले पत्र जा.क्र. ७०३/२०२२-२३ दिनांक ३०.०९.२०२२

महोदय,

वरील विषय व संदर्भीय पत्रान्वये आपणास कळविण्यात येते की, आपल्या महाविद्यालयातील वनस्पतीशास्त्र व प्राणीशास्त्र विभागाच्या विद्यार्थ्यांची एक दिवशीय शैक्षणिक सहल दिनांक १० ऑक्टोबर २०२२ रोजी 'भंडारदरा ता.अकोले जि.अहमदनगर' येथे व पुन्हा परत नांदगाव येथे महाराष्ट्र राज्य मार्ग परिवहन महामंडळाच्याच बसने (एस.टी.बसने) घेवुन जाणेस परवानगी देण्यात येत आहे. मात्र सहलीत कोणत्याही प्रकारचा अनुचीत प्रकार घडणार नाही याची सर्वस्वी जबाबदारी शाखाप्रमुख या नात्याने आपणावर व संबंधित शिक्षकांवर राहिल याची नोंद घ्यावी. तसेच सहल परत आल्यानंतर सहलीचा संपूर्ण हिशोब व अहवाल या कार्यालयास सादर करावा.

कळावे,


शिक्षणाधिकारी
मराठा विद्या प्रसारक समाज, नाशिक

Dr. Chauve
Science Incharge



7-10-2022

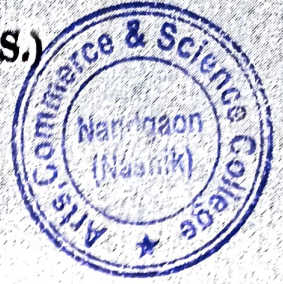
ARTS, COMMERCE & SCIENCE COLLEGE NANDGAON (NASHIK)
Inward No.: 107/22-23
Date.: 7/10/2022

MVP Samaj's

Arts, Commerce and Science College, Nandgaon

Tour Location- Bhandardara Dist. Ahmednagar (M.S.)

Study tour date- 17 October 2022



Objectives

1. To make students well acquainted with the reserve forests and biodiversity conservation.
2. To make students expert for wild plant observation, identification and conservation.
3. To make students aware for biodiversity conservation.
4. To make student aware of various economically important wild medicinal plants.
5. To train students for taxonomical, ecological studies of various plants.
6. To make them well acquainted with plant animal interactions in forest ecosystem.
7. To help students to earn extra credits of field visit.

Outcome

1. This study tour proved students to become aware and conscious about the forest biodiversity.
2. An awareness of plant conservation as well as biodiversity conservation have been inculcated among the students.
3. Student could learn about various medicinal plants and acquired a knowledge of plant identification.
4. Students got extra credits from the completion of study tour.
5. Students could observe various endemic and rare plants from the study area.
6. By communicating with the local people, they could collect extra information about wild plants.
7. The practical performance and score of the students is enhanced.

A handwritten signature in black ink, appearing to read 'B.W. Chavre'.

Dr. B.W. Chavre
Head,
Department of Botany

ARTS, COMMERCE AND SCIENCE COLLEGE, NANDGAON

DEPARTMENT OF BOTANY


Study Tour- Bhandardara


Year- 2021-22

Report

A study tour of Botany department was organized at ' Bhandardara (Kalsubai-Harischandragarh Wildlife sanctuary), Tal. Akole, Dist. Ahmednagar on 17 October 2022 for the on-field study of plant diversity. Total 120 students of the Botany were participated in the study trip. All teaching and non-teaching staff members of the department were also participated in the tour. We have travelled from Nandgaon to Bhandardara by buses of MSRTC. At there we visited various biodiversity rich spots including, Randha fall, Bhandardara dam, Kokankada, Ghatghar, Sandhan vally and foot of Kalsubai mountain. Students of the department carefully and with great interest observed the plant diversity and captured photographs of wild plants in the sanctuary. Students could observe many algal, bryophyte, pteridophyte and angiosperm species new to them. Most common species students have observed are, *Hydrilla verticillate*, *Vallisneria sp.*, *Adiantum sp.*, *Nephrolpis sp.*, *Marsilea sp.*, *Anctoceros sp.*, *Azolla sp.*, *Terminalia arjuna*, *Ensete superbum*, *Asparagus racemosus*, *Leonitis species*, *Gloriosa superba*, *Vallisneria sp.*, *Cleome speciosa*, *Pogostemon sp.*, *Abutilon sp.*, *Terminalia bellarica*, *Ptrocarpus sp.*, *Clerodendron sp.*, *Michalia champaca*, *Capparis sp. etc.*

The present tour was planned and managed by staff members of Botany department including Dr. Bhagwat Chavre (Head), Dr. V.B. Sonawane and Dr. A. N. Madane. Other supporting staff including Sagar Vadakate (Lab Attendant), Babasaheb Dale and Santosh Bahikar were also present with the study tour. We got important guidance and support from Principal, Dr. S. N. Shinde.


Dr. B.W. Chavre
Head, Department of Botany


Dr. V. B. Sonawane
Coordinator, IQAC


Dr. S.N. Shinde
Principal
Principal
Arts, Commerce & Science College
Nandgaon, Nashik - 423 106



Latitude: 19.537821
Longitude: 73.654657
Elevation: 835.04±25 m
Accuracy: 3.1 m
Time: 10-17-2022 17:28

Powered by NoteCam





M. V. P. Samaj's,

Arts, Commerce and Science college, Nandgaon, Tal. Nandgaon, Dist. Nashik

Department of Botany

Study Tour – 2022-23 (Bhandardara)

Date- 17/10/2022

Route- Shanimandir, Nandgaon- Lasalgaon, Niphad, Nashikroad-Taked- Bhandardara-Ghoti-
Nashik- Chandwad-Nandgaon

List of Students

Bus No: - I

Sr. No.	Registration No.	Name of the student	Class	Mobile No.	Date of Birth	Signature
1	485930	Agwan vaishnavi Rajendra	FYBSC	9209255778	15/06/2004	[Signature]
2	490970	Aher Gaurav Bhausahab	FYBSC	8805790026	14/04/2004	[Signature]
3	557933	Aher Kishor Santaram	FYBSC	9529256280	11/05/2005	[Signature]
4	485941	Avhad Sushama Datu	FYBSC	7744945485	11/09/2004	[Signature]
5	485530	Bendke Arjun Santosh	FYBSC	9975813558	14/06/2004	[Signature]
6	484320	Bodhare Bharti Balu	FYBSC	7719074464	04/06/2004	[Signature]
7	557190	Chavan Vedika Shrikant	FYBSC	8263908784	15/10/2004	[Signature]
8	485812	Chhatre Swapnil Samadhan	FYBSC	9307697757	13/03/2004	[Signature]
9	492331	Darade Revati Ramesh	FYBSC	8010393746	16/01/2004	[Signature]
10	482384	Dange Pawan Chandrakant	FYBSC	8767417395	28/03/2004	[Signature]
11	485978	Gaikwad Saurabh Ashok	FYBSC	9322371271	19/03/2004	[Signature]
12	478442	Ghadge Poonam Ravindra	FYBSC	7775957909	03/06/2004	[Signature]
13	555172	Ghugre Kalyani Ravsaheb	FYBSC	9579515350	30/09/2004	[Signature]
14	485989	Jejurkar Aditya Vishwanath	FYBSC	9373755532	26/04/2005	[Signature]
15	483641	Kaklij Kalyani Dhanraj	FYBSC	9637400072	15/07/2004	[Signature]
16	487205	Kande Pratibha Bhagwat	FYBSC	8010598325	28/06/2004	[Signature]
17	488227	Kande Pratiksha Ashok	FYBSC	8010663453	27/05/2004	[Signature]
18	555507	Khade Rushikesh Gorakh	FYBSC	8329960609	04/08/2003	[Signature]
19	485922	Mahajan Radhika Gulab	FYBSC	8530754680	23/08/2004	[Signature]
20	556467	More Sakshi Rajendra	FYBSC	9325053106	01/06/2004	[Signature]
21	491140	Nikam Vishakha Tryambak	FYBSC	9527932091	30/10/2004	[Signature]
22	556213	Nikam Komal Dilip	FYBSC	9423116426	17/06/2004	[Signature]
23	487899	Nikam Rushali Satish	FYBSC	8483946318	05/04/2004	[Signature]
24	555994	Nikam Sujata Yuvaraj	FYBSC	9860112038	16/10/2003	[Signature]
25	478222	Pagare Dipali Ravindra	FYBSC	8010786875	22/03/2004	[Signature]
26	576672	Pagar Purva Dilip	FYBSC	7821047245	16/05/2004	[Signature]
27	478093	Pawar Karan Prakash	FYBSC	8767729140	24/02/2004	[Signature]
28	481699	Sanap Vijaya Madhukar	FYBSC	7888143725	01/02/2004	[Signature]
29	555997	Satale Gayatri Nitin	FYBSC	9529784652	06/01/2004	[Signature]
30	556251	Satale Jayashri Bhausahab	FYBSC	9307630447	28/07/2003	[Signature]
31	555437	Shewale Rohini Rajendra	FYBSC	9309507260	04/11/2003	[Signature]
32	555875	Shewale Sonali Ashok	FYBSC	9022023574	05/08/2003	[Signature]
33	482473	Shermale Chanchal Tryambak	FYBSC	9022749061	20/12/2004	[Signature]
34	561615	Surse Aarti Eknath	FYBSC	9209289588	05/09/2004	[Signature]
35	554586	Surse Gayatri Ravindra	FYBSC	9529305945	31/03/2004	[Signature]
36	556140	Surse Tanvi Nitin	FYBSC	8767014399	26/04/2005	[Signature]

37	566342	Sonawane Mayuri Dipak	FYBSC	8999786171	06/11/2004	<i>M. Sonawane</i>
38	578282	Zhodge Yash Vijay	FYBSC	8010167760	31/03/2005	<i>Y. Zhodge</i>
39	421445	Jahan Noora Alam	SYBSC	9356410798	17/05/2004	<i>N. Jahan</i>
40	554612	Agwan Rutuja Suresh	SYBSC	7038541316	03/05/2003	<i>R. Agwan</i>
41	358788	Khonde Punam Dada	TYBSC	7796169044	16/06/2006	<i>P. Khonde</i>
42	471771	Khairnar Chaitali Digambar	TYBSC	7666471360	04/07/2002	<i>C. Khairnar</i>

Teachers and Nonteaching staff

Sr. No.	Name	Designation	Mobile No.
1	Dr. B. W. Chavre	Associate Professor	9975813558
2	Mrs. Bagul K.T.	Assistant Professor	7507132979
3	Mrs. S. S. Shinde	Assistant Professor	8805202196
	Mr. Dale Bausaheb	Peon	9881586009



J.D.

Principal

Principal

Arts, Commerce & Science College
Nandgaon, Nashik - 423 106



M. V. P. Samaj's,

Arts, Commerce and Science college, Nandgaon, Tal. Nandgaon, Dist. Nashik

Department of Botany

Study Tour – 2022-23 (Bhandardara)

Date- 17/10/2022

Route- Shanmandir, Nandgaon- Lasalgaon, Niphad, Nashikroad-Taked- Bhandardara-Ghoti-
Nashik- Chandwad-Nandgaon

List of Students

Bus No: - II

Sr. No.	Registration No.	Name of the student	Class	Mobile No.	Date of Birth	Signature
1	539161	Shelar Priyanaka Govinda	SYBSC	9545843883	22/01/2003	<i>[Signature]</i>
2	417566	Aher Gayatri Shantaram	SYBSC	7058470441	23/05/2003	<i>[Signature]</i>
3	416963	Aher Kaveri Bhaskar	SYBSC	8010408372	29/12/2003	<i>[Signature]</i>
4	418678	Aher Kaveri Gorkhanath	SYBSC	8767474358	29/04/2003	<i>[Signature]</i>
5	421450	Aher Kirti Rajendra	SYBSC	9423540607	19/09/2003	<i>[Signature]</i>
6	415587	Aher Komal Sharad	SYBSC	9423151757	08/04/2003	<i>[Signature]</i>
7	414595	Aher Monali Vilas...	SYBSC	8855885294	31/09/2003	<i>[Signature]</i>
8	531183	Andhure Komal Laxman	SYBSC	7038100732	05/06/2004	<i>[Signature]</i>
9	420497	Bagul KumKum Tatyabhau	SYBSC	7057521185	07/04/2003	<i>[Signature]</i>
10	419915	Chavan Gayatri Dipak	SYBSC	9822492680	02/06/2004	<i>[Signature]</i>
11	532392	Chavan Sakshi Samadhan	SYBSC	9834731650	23/05/2001	<i>[Signature]</i>
12	414637	Deore Samruddhi Sandip	SYBSC	8766871219	23/06/2003	<i>[Signature]</i>
13	419696	Desale Arati Sunil	SYBSC	9021802100	13/09/2002	<i>[Signature]</i>
14	536102	Domade Dipali Sanjay	SYBSC	8767216286	11/10/2003	<i>[Signature]</i>
15	415506	Kale Aishwarya Bhagwan	SYBSC	8767780385	26/07/2003	<i>[Signature]</i>
16	528285	Khairnar Trupti Somnath	SYBSC	9075832570	08/05/2003	<i>[Signature]</i>
17	420485	Mahajan Dipali Tukaram	SYBSC	8788691577	10/03/2003	<i>[Signature]</i>
18	420495	Mahajan Gaytri Sanjay	SYBSC	7020440961	17/12/2003	<i>[Signature]</i>
19	498146	Mokal riya Sanjay	SYBSC	9021744117	25/01/2003	<i>[Signature]</i>
20	415474	Nikam Mansi Ravindra	SYBSC	8668767398	28/03/2003	<i>[Signature]</i>
21	418146	Patil Lina Bhagwant	SYBSC	9623962355	19/08/2003	<i>[Signature]</i>
22	435834	Shingade Mukul Tulshiram	SYBSC	7499016619	31/08/2003	<i>[Signature]</i>
23	420368	Shinde nikita rajendra	SYBSC	9373482802	09/08/2003	<i>[Signature]</i>
24	423377	Shitole Neha Bhagwan	SYBSC	9529500502	04/11/2003	<i>[Signature]</i>
25	528691	Shewale Divya Sunil	SYBSC	8446539872	08/10/2003	<i>[Signature]</i>
26	415551	Somase Aarti Kishor	SYBSC	9922140350	30/11/2003	<i>[Signature]</i>
27	418176	Tilekar Darshana Samadhan	SYBSC	9657282096	15/03/2003	<i>[Signature]</i>
28	540704	Ugle dhanshri sham	SYBSC	9960989855	19/05/2003	<i>[Signature]</i>
29	471759	Aher Mamta Ravindra	TYBSC	9370888989	16/03/2003	<i>[Signature]</i>
30	505290	Bhamare Rinku Nandkishor	TYBSC	9766759688	07/08/2002	<i>[Signature]</i>
32	507508	Bhusare Payal Ashok	TYBSC	9021801572	08/04/2002	<i>[Signature]</i>
33	509676	Borse Kalyani Balu	TYBSC	8459015925	02/02/2002	<i>[Signature]</i>
34	475717	Borse Rutuja Popat	TYBSC	9284210806	11/09/2002	<i>[Signature]</i>
35	476246	Eram Nikita Kamlesh	TYBSC	9307506739	22/07/2002	<i>[Signature]</i>
36	505877	Gaikwad Suvarna Rayban	TYBSC	7448230023	07/10/2001	<i>[Signature]</i>

37	492457	Gite Shobhana Hanumant	TYBSC	7499659133	07/04/2003	<i>Shobhana</i>
38	491115	Ghuge Yogita Sambhaji	TYBSC	8080713234	20/05/2022	<i>Ghuge Y.S.</i>
39	472561	Jagtap Pratiksha Rajendra	TYBSC	9579804282	05/01/2003	<i>Pratiksha</i>
40	502564	Kaklij Gayatri Gorakha	TYBSC	7020253184	17/08/2003	<i>Kaklij</i>
41	476240	Kaklij Vidya Sanjay	TYBSC	7507832728	23/03/2003	<i>Kaklij</i>
42	506802	Gumnar Nikita Vitthal	TYBSC	9356392721	10/03/2002	<i>Nikita</i>

Teachers and Nonteaching staff

Sr. No.	Name	Designation	Mobile No.
1	Dr. V. B. Sonawane	Assistant Professor	8208407151
2	Dr. A. N. Madane	Assistant Professor	9145332658
3	Mr. Bahikar Santosh	Peon	9922665176




Principal
Principal
 Arts, Commerce & Science College
 Nandgaon, Nashik - 423 106



M. V. P. Samaj's,

Arts, Commerce and Science college, Nandgaon, Tal. Nandgaon, Dist. Nashik

Department of Botany

Study Tour – 2022-23 (Bhandardara)

Date- 17/10/2022

Route- Shanmandir, Nandgaon- Lasalgaon, Niphad, Nashikroad-Taked- Bhandardara-Ghoti-
Nashik- Chandwad-Nandgaon

List of Students

Bus No: - III

Sr. No.	Registration No.	Name of the student	Class	Mobile No.	Date of Birth	Signature
1	532366	Gajare Shirish Balasaheb	SYBSC	7822966303	02/05/2004	<i>[Signature]</i>
2	536242	Borse Santosh Dagdu	SYBSC	9970626525	02/03/2003	<i>[Signature]</i>
3	417128	Thorat Kalpesh Vijay	SYBSC	9309919614	10/06/2003	<i>[Signature]</i>
4	549857	Kasar Bajirao Chandrakant	SYBSC	8766662561	27/07/2003	<i>[Signature]</i>
5	544898	Hemade Rohini Sunil	SYBSC	8262031213	21/04/2004	<i>[Signature]</i>
6	544560	Kale Omraj M.	SYBSC	9529657101	20/05/2003	<i>[Signature]</i>
7	547695	Shingade Vyankatesh Anil	FYBSC	8261063971	04/08/2003	<i>[Signature]</i>
8	578353	Khairnar Sujit Kailas	FYBSC	7499314480	22/06/2003	<i>[Signature]</i>
9	578194	Shelke Dnyaneshwar Arjun	FYBSC	7588040138	15/06/2004	<i>[Signature]</i>
10	572230	Burkul Ajit Anil	FYBSC	93221536793	12/10/2004	<i>[Signature]</i>
11	485023	Suryawanshi Omkar Nanasaheb	FYBSC	9142510172	20/10/2004	<i>[Signature]</i>
12	487451	Nikam Tejas Bhagwan	FYBSC	8208045500	04/06/2004	<i>[Signature]</i>
13	544061	Shingade Vyankatesh Anil	SYBSC	8261063971	04/08/2003	<i>[Signature]</i>
14	545820	Bhosale Promod Sudhakar	SYBSC	9527926779	08/11/2003	<i>[Signature]</i>
15	533140	Mandalik Vaibhav Vishaanath	SYBSC	9595202789	31/07/2003	<i>[Signature]</i>
16	415519	Jadhav Jagruti Pravin	SYBSC	7620218092	30/05/2002	<i>[Signature]</i>
17	471523	Jadhav Dinesh Raghunath	TYBSC	9356841304	18/09/2001	<i>[Signature]</i>
18	471586	Khair Dhiraj Mukund	TYBSC	9021297827	31/12/2002	<i>[Signature]</i>
19	504523	Lahire Priyanka Prakash	TYBSC	9421187510	28/03/2002	<i>[Signature]</i>
20	482560	Bhalekar Ritesh Sanjay	SYBSC	8080791405	02/01/2004	<i>[Signature]</i>
21	414697	Chavan Ashwini Bharat	SYBSC	9021288905	13/01/2003	<i>[Signature]</i>
22	572015	Sonawane Krushna Vilas	FYBSC	9356728733	21/02/2005	<i>[Signature]</i>
23	542565	Sambale Shraddha Santosh	SYBSC	7822959466	21/05/2003	<i>[Signature]</i>
24	533663	Shelar Shubhangi Balu	SYBSC	9588697669	03/02/2004	<i>[Signature]</i>
25	547742	Jadhav Maheshwari Sunil	SYBSC	9529356639	27/05/2003	<i>[Signature]</i>
26	471381	Shelke Nikita Baban	SYBSC	9890185478	20/07/2002	<i>[Signature]</i>
27	533701	Borse Madhuri Balu	SYBSC	9209114101	31/07/2003	<i>[Signature]</i>
28	547800	Sanap Ashvini Sanjay	SYBSC	8605485235	03/11/2003	<i>[Signature]</i>
29	473037	Bacchav Pallavi Sunil	SYBSC	9518397215	22/12/2002	<i>[Signature]</i>
30	538182	Borse Aishwarya Avinash	SYBSC	7030640179	12/04/2004	<i>[Signature]</i>
31	491785	Harde Dattu Balu	FYBSC	9356022367	15/07/2004	<i>[Signature]</i>
32	406234	Jadhav Jagruti Gokul	SYBSC	9359691965	16/06/2002	<i>[Signature]</i>
33	490133	Vishal Rajendra Reddy <i>(Bansikar)</i>	FYBSC	9322535486	17/09/2003	<i>[Signature]</i>
34	484396	Agwan Mayur Bhausaheb	TYBSC	9359119329	08/08/2002	<i>[Signature]</i>
35	474461	Garud Gopal Sandip	TYBSC	9579878224	31/08/2002	<i>[Signature]</i>

36	499237	Gadakh Prashant Sharad	FYBSC	9356713994	25/07/2004	<i>Balkh</i>
37	493612	Sonawane Yash Sahebrao	FYBSC	9921780947	07/07/2003	
38	554550	Pawar Kajal Pralhad	FYBSC	9021379110	24/05/2004	<i>Pawar</i>
39	547730	Tadage Bhagyashri Yashvant	FYBSC	9699514041	20/09/2003	<i>B.V. Tadage</i>
40						
41						
42						

Teachers and Nonteaching staff

Sr. No.	Name	Designation	Mobile No.
1	Mr. M. B. Atole	Assistant Professor	9960592784
3	Mrs. S. S. Shinde	Assistant Professor	8805202196
3	Mr. Vadakte Sagar	Lab Assistant	8007550105




Principal
Principal
Arts, Commerce & Science College
Nandgaon, Nashik - 423 106

Dr. S.N. Shinde

M.C.S., Ph.D.

Principal



Maratha Vidya Prasarak Samaj's

ARTS, COMMERCE & SCIENCE COLLEGE, NANDGAON

Tal. Nandgaon, Dist. Nashik - 423 106 (M.S.) India

Mob.No.(Office) : 8766876955
Junior College Index No. J - 13.09.005
UDISE No. : 27200803404
E-mail : prinnandgaon@yahoo.com
Website : www.nandgaoncollege.com

Certified 2(f) & 12 (b) of UGC act.

Affiliated to Savitribai Phule Pune University (Id.No. PU/NS/ACS/021/1972)

PUN Code : CAAN017480, College Code : 116, Exam Centre Code : 064, AISHE Code : C-42014

Best College Award of Savitribai Phule Pune University (2012)

NAAC Re-accredited with 'A' Grade (3rd Cycle) CGPA :- 3.06

Ref. No.: 250/2022-20 23

Date : 30/6/2022

To,

Project Manager,

Honey Bee Park and Training Centre,

Pimplagaon (B.), Dist. Nashik

Subject- Regarding permission for industrial visit.....

Respected Sir/Madam,

With respect to the above subject, we want to arrange a study visit to your renowned industry. Botany department of our College including 30 students and 3 teachers are going to visit your industry on 02 July 2022 as a part of their curriculum.

So, I request you to allow our students and teachers to visit your industry at the concession rate and provide them with information of your industry.

Thanking You,

Your Faithfully,

Dr. S. N. Shinde

ह.ना. वाणिज्य आणि विज्ञान महाविद्यालय
नांदगांव-४२३ १०६ (जि.नाशिक)

MVP Samaj's
Arts, Commerce and Science College, Nandgaon



Visit Report

An Agro-industrial Visit

Location- Baswant Honeybee Park and Sahyadri Farms

Study tour date- 02 July 2022

Objectives

1. Honeybee is an important pollinating agent. This visit was organised with an objective to make students well acquainted with the types, work culture, colony structure, nectar collection and with other parameters of honeybees.
2. To make students about conservation of honey bees.
3. To make students aware about apiculture- a self-employment opportunity.
4. In the second half visit was organised to Sahyadri farm, where students would get knowledge of food preparation and processing.
5. Students can get knowledge of process of various packaged food preparation tactics.
6. Students would be encouraged for erection of their new business of food processing by using local field produce including grapes, onion etc.

Outcome

1. This study tour proved students to become aware and conscious about the Honey bee culture and honeybee conservation.
2. An awareness about the role of honeybees in biodiversity conservation.
3. Student could learn about various medicinal properties of honey.
4. Students got extra credits from the completion of the visit.
5. All students were benefitted by the acquired knowledge of food processing and its scope.
6. Students are highly motivated to start their own apiculture and food processing units.

A handwritten signature in black ink, appearing to be "B.W. Chavre".

Dr. B.W. Chavre
Head,
Department of Botany



MVP Samaj' Arts, Commerce & Science College, Nandgaon Dist-Nashik
Department of Botany



An Agro-Industrial Visit Report

Date: 02/07/2022

About the industrial visit.

One day Industrial visit was organized by Department of Botany, MVP Samaj' Arts, Commerce & Science College, Nandgaon Dist-Nashik. We visited to Baswant Honeybee Park and Sahyadri Farms village Mohadi near Pimplgaon known for grape village Hub Dist. Nashik, Maharashtra. The tour comprised students of T.Y.B.Sc. VI semester accompanied by faculty members, Dr. V.B. Sonawane and Dr. A.N. Madane from Department of Botany. All the students were directed to gather at college gate at 7:30 am. Principal of the college Dr. S.N. Shinde wished all the students best and safe journey. We started our journey at 8 o'clock with Bus Service and reached at 10:50 am at the location.

Summary of experience:

“Baswant Honeybee Park” staff members warmly welcomed all of us. Tea and breakfast were served to all students and teachers. A bee garden has been created in an area of two acres. A 150 feet long tunnel has been constructed to provide detailed information about the history, species, lifestyle, working methods, bee production of bees. All information is also given through audio and video, one of the best things we were observed that, these bee garden had been keeping equipment and provides detailed information about it. We study in detail about colonies of bee species, *Sateri*, *Italian* and *Trigona*, of which information is given through demonstrations by well qualified staff. We all students and teachers could know each other every aspect of honey bee culture while waking around the honey bee park.



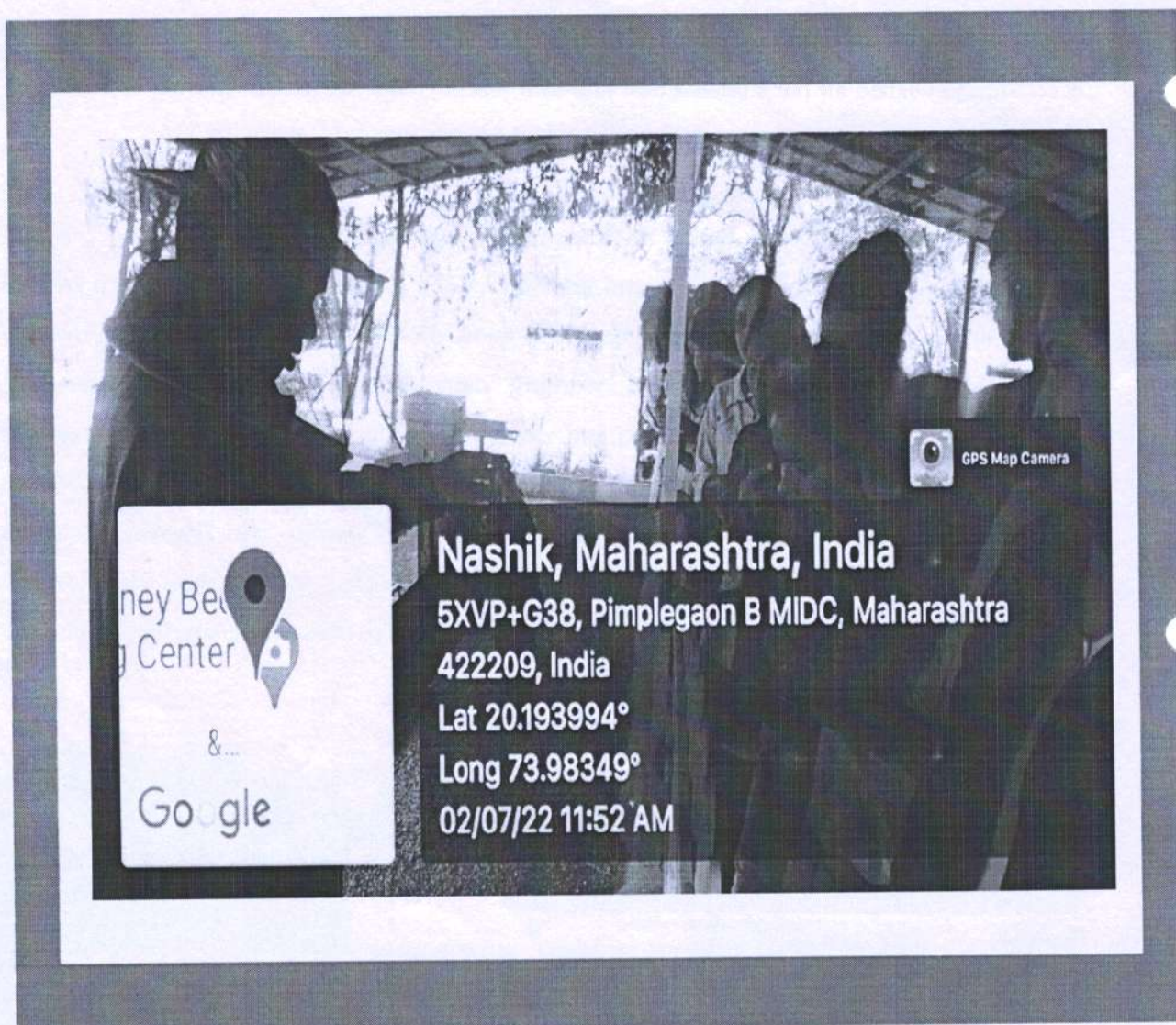
Baswant Honeybee park pimplegaon.



Detailed about the services :

Beekeeping Trainings and pollination services :

The Baswant Bee Training Center was set up to conduct demonstration-based training programs to promote bee keeping. Up-to-date services for bee training are available here. The training program can be conducted in a very playful atmosphere as it creates the necessary environment for training. Not only the spacious training hall but also the outside environment is conducive to the study of bees, so the idea of bees comes to mind only after coming to this center.



Beekeeping Trainings



2) Baswant Agro-Industry Tourism

SELFIE POINT: A magnificent and attractive replica of a bee has been created. This 'selfie point' is becoming an attraction for all the tourists who come here.



SELFIE POINT2

3) HONEY BEE VILLAGE



A miniature village model of beekeeping for rural development



4) DORSATA POINT

The demonstration of traditional and modern techniques of hunting dorsata honeybee colonies.



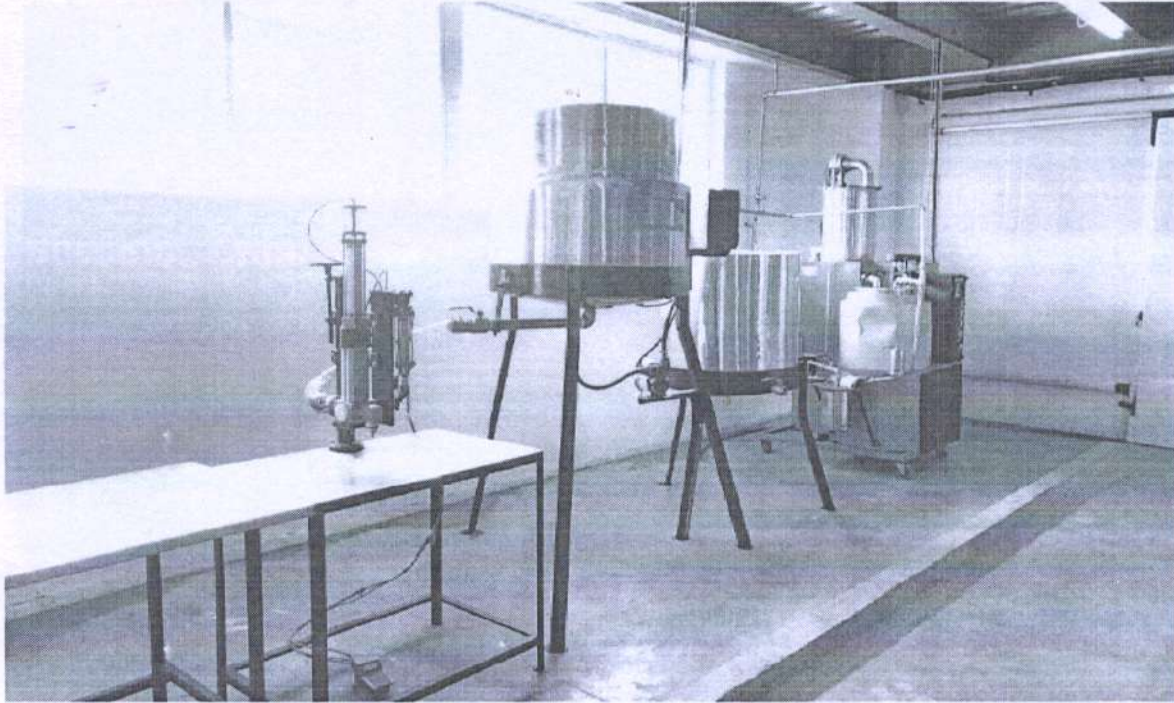
5) RAISINS PROCESSING UNIT:



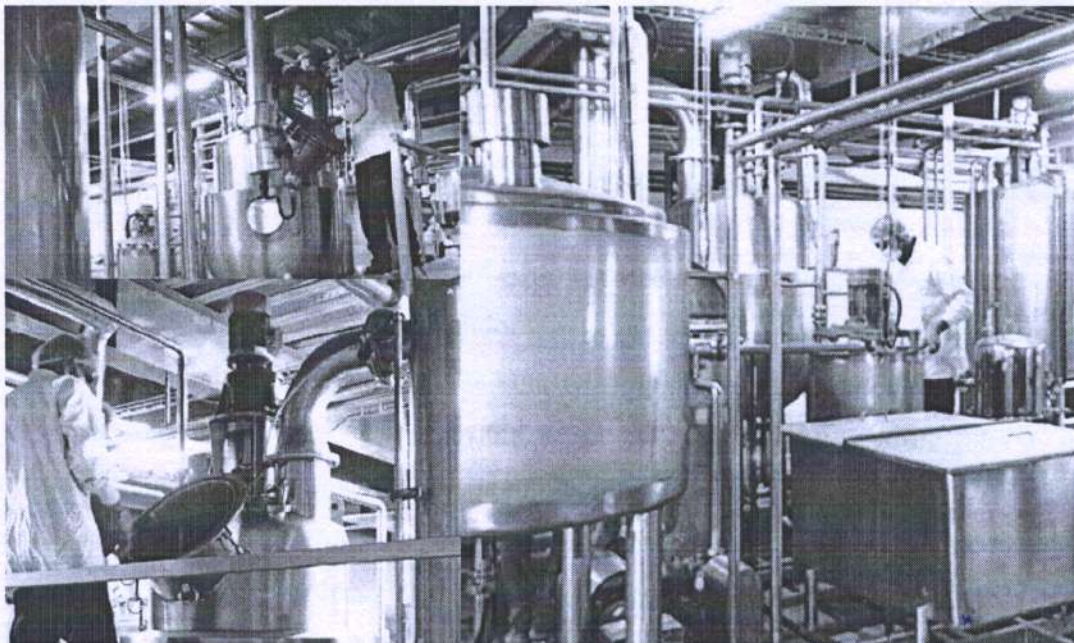
Visit their Raisins Processing Unit at Baswant Garden.



6) HONEY PROCESSING UNIT



7) FRUIT PROCESSING UNIT



Baswant Fruit Processing Unit produces the Jam, Juice, Ketchup etc.



8) MINIATURE VILLAGE



Sahyadri Farms: Farmer Producer Company (FPC)

Formed in 2010, at Mohadi, Nashik Heart of Sahyadri Farms Sahyadri Farms was registered as a Farmer Producer Company (FPC) under the provision introduced in Companies Act. It's a collective that is owned and managed by farmers that aims to ensure fair equity to everyone, while providing value to the end consumer.

Indias largest grape exporter as well as Tomato Process and year of 2020 alone, company managed to procure 55,413 MT of Tomatoes.

We visited at 3.30 pm at Sahyadri farms Mohadi, Nashik. After collecting get pass we entered inside the Sahyadri farm camaras and mobiles were prohibited inside laboratory unit. We are allowed to enter in the farm corridor only after proper sterilization and care. First, we seen 20 min introductive documentary about Sahyadri farm in common hall, after that we went to see grape export and packing unit and then step by step, we visited all departments of processing unit like banana and mango pulp, Tomato ketchup processing. All information about B 2 B business model have been given to all teachers and students.

Student asked many questions about the processing unit and observed the things practically. Overall, it was a great experience. It was a new, interesting, and informative



experience for all of us. We visited the organic mall company outlets. All students have purchased various fruit pulp and fruit juices. We also arranged delicious lunch on the way of tour and during travelling. Then, we took group photographs with Sahyadri Farms staff members and thanked them for their hospitality. We departed at 5:30 PM from there to Nandgaon. We all had safe and enjoyable journey with lots of information.



Sahyadri Farms

Teachers:
Dr. V.B. Sonawane
Dr. A.N. Madane

Dr. B.B. Chavre

Dr. V.B. Sonawane
Coordinator
Internal Quality Assurance Cell
Arts, Com. & Science College
Nandgaon, PIN-423 900.

Dr. S. N. Shinde

Principal
Arts, Commerce & Science College
Nandgaon-423108 (Dist. Nashik)



Arts, Commerce and Science College Nandgaon, Dist. Nashik

One day Study tour at Sahyadri form industry and Honey bee center Pimpalgaon

Basvant Nashik

Date 02-07-2022

Class- TYBSc.

Botany Department

Lis of student and staff

Sr.No	Name Of Student & Staff	Designation	Contact No	Signature
✓ 1	Agwan Vinanti Suresh	Student	9322247199	
✓ 2	Avantika Elanje	Student	9146798426	
✓ 3	Bahikar harshali murlidhar	Student	7293852198	
✓ 4	Borse unnati pratap	Student	9604415338	
✓ 5	Chavandgir bhagyshri gulab	Student	8767926133	
✓ 6	Gaikwad Khushboo Prakash	Student	8080447696	
✓ 7	Gaikwad Krishna Sunil	Student	8554959532	
✓ 8	Gorade vrundavani Santosh	Student	8080862509	
✓ 9	Kaklij pallavi Ulhasrao	Student	9763730223	
✓ 10	Kawade ashvini shantaram	Student	9665392745	
✓ 11	Kedar Sakshi shivaji	Student	8308633491	
✗ 12	Kharote eshita nitin	Student	7249659801	(AB)
✓ 13	Mansi Anil avile	Student	9423927126	
✓ 14	Modse Manali Dilip	Student	8788932341	
✓ 15	Mokal bhagyashree bajeerao	Student	7721946128	
✓ 16	Patil Pooja Bapusaheb	Student	9834006695	
✓ 17	PAWAR RUPESH VIJAY	Student	9370890950	
✓ 18	Pawar samiksha sanjay	Student	9579776595	
✓ 19	Priyanka Bapu Jejurkar	Student	9657470543	
✓ 20	Rutuja yogesh Dond	Student	8459773415	
✓ 21	Siddhesh Dipak Patil	Student	7743893081	
✓ 22	Sonawane komal vilas	Student	9325648120	
23	Surse Snehal Sunil	Student	7875462447	
✓ 24	Talekar Bharti Govind	Student	9561050982	
✓ 25	Ushire kalpesh rajendra	Student	9309871862	
✓ 26	Warke Harshali Nitin	Student	9637464859	
✓ 27	Aher Tushar Sunil	Student	7972428807	
27	Dr V.B. Sonawane	Assistant Prof.	8208407151	
28	Dr. A N Madhane	Assistant Prof.	9145332658	



Maratha Vidya Prasarak Samaj's

Arts, Commerce and Science College, Nandgaon
Tal – Nandgaon, District Nashik – 423106 (M.S.) India.

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Mobile No. 8766876955

Certified 2 (f) & 12 b of UGC Act
Affiliated to Savitribai Phule Pune University
(Id. No. PU/NS/ASC/021/1972)
College Code-116 Exam Centre Code -064

Best College Award of Savitribai Phule Pune University (2012)
NAAC Reaccredited with 'A' Grade 3rd Cycle

Outward No: 265/2022-23

Date : 02.07.2022

To,
The Secretary,
Maratha Vidya Prasarak Samaj ,
Nasik.

Subject : Regarding to Study Tour

On the above subjects, I request that an educational trip of the College of Arts, Commerce and Science, Nandgaon, for the subject of Physics is being planned to be held at Tirupati Packaging Industry, Satpur, Nashik on July 5. Although this trip is planned to go by private vehicle, we request you to allow it




Principal
Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.F.)



265/2022-23

2/7/2022

प्रति,
माननीय सरचिटणीस मॅडम,
मराठा विद्या प्रसारक समाज,
नाशिक-02

विषय :- भौतिकशास्त्र विभागाच्या एक दिवसीय सहलीस परवानगी मिळणे बाबत.

महोदया,

वरील विषयान्वये विनंती पूर्वक अर्ज करतो की कला, वाणिज्य आणि विज्ञान महाविद्यालय, नांदगाव या महाविद्यालयातील भौतिकशास्त्र विषयाची शैक्षणिक सहल तिरुपती पॅकेजिंग इंडस्ट्री, सातपूर, नाशिक या ठिकाणी 5 जुलै रोजी आयोजित करण्या साठी नियोजन चालू आहे या सहलीमध्ये भौतिकशास्त्र विभागातील वर्ष टि. वाय. बी.एससी चे विद्यार्थी व विभागातील प्राध्यापक सहभागी होणार आहे. ही सहल खाजगी वाहनाने जाण्याचे नियोजन केले आहे.

तरी आपण या सहलीस परवानगी देऊन उपकृत करावे ही विनंती.

आपला विश्वासू

(डॉ. एस एन शिंदे)

MVP Samaj' Arts, Commerce & Science College, Nandgaon Dist-Nashik

Department of Physics

Outcome and Objective of Industrial Visit to Tirupati Packaging Industries

Date: [5th July 2022]

Location: Tirupati Packaging Industries, Satpur MIDC, Nashik, Maharashtra

Objective:

The objective of the industrial visit was to provide T.Y.B.Sc. students with practical exposure to the manufacturing process of corrugated boxes, their product quality checking and to enhance their understanding of the application of physics in an industrial setting.

Outcome:

1. Practical Application of Physics:

During the visit, students witnessed the practical application of physics principles in the manufacturing process of corrugated boxes. They gained insights into various concepts such as thickness measurement, stress, strain, dimensions, and practical applications related to the quality control department.

2. Understanding Manufacturing Process:

Students observed and learned about the step-by-step manufacturing process of corrugated boxes. They were introduced to the corrugating machine that brings together multiple layers of paper to form single, double, or triple wall corrugated board. The visit helped students understand the functioning and importance of each machine used in the production plant.

3. Quality Control and Assurance:

The visit highlighted the significance of quality control and assurance in the manufacturing process. Students learned about the quality checks conducted at different stages, including moisture measurement, glue strength, bursting strength, compression, and accurate dimensions. They also witnessed the random checks performed on the final products for quality assurance.

4. Product Portfolio:

Students gained knowledge about the diverse range of products manufactured by Tirupati Packaging Industries. These included packaging boxes such as plain cardboard, glass packaging, laminated gift packaging, pharmaceutical packaging boxes, as well as various types of corrugated boxes and corrugated sheets. Fruit packaging boxes, specifically designed for pomegranates and grapes, were also part of their product portfolio.

5. Overall Experience and Cultural Exposure:

Apart from the industrial insights, students enjoyed a new and memorable experience. They got an opportunity to visit the Pandavleni spot and interacted with industry professionals. The visit fostered a sense of cultural exposure as they engaged in activities such as singing, dancing, and enjoying a delicious lunch together.

Conclusion:

The industrial visit to Tirupati Packaging Industries provided B.Sc. students with valuable insights into the manufacturing process of corrugated boxes. It helped them understand the practical application of physics concepts and their significance in an industrial setup. The visit also broadened their knowledge of various products and quality control procedures. Overall, the industrial visit was a successful and enriching experience for the students, enhancing their understanding of the industry and its operations.


Mr. R. V. Wagh
Coordinator



MVP Samaj' Arts, Commerce & Science College, Nandgaon Dist-Nashik

Department of Physics

An Industrial Visit Report

Date: 05/07/2022

One day Industrial visit was organized by Department of Physics, MVP Samaj' Arts, Commerce & Science College, Nandgaon Dist-Nashik. We visited to **Tirupati Packaging Industries, Satpur MIDC, Nashik**, Maharashtra. The tour comprised students of T.Y.B.Sc. VI semester accompanied by faculty members, Mr. Rajendra V. Wagh and Mr. Siddhesh D. Chavan from Dept. of Physics. All the students were directed to gather at College gate at 6:45 am. Principal of the college Dr. S.N. Shinde wished all the students best and safe journey. We have started our journey at 7.15 am with Bus private vehicle and reached at 11.10 am at the desired location.

This industry is one of the India's leading and reputed manufacturers of all types of corrugated boxes with printing and without printing as per requirement. Especially they are use in adhesives grease, oil, Antibacterial & Antifungal for pharmaceuticals & foods boxes. They have the facility to manufacture the Cartons, Corrugated Sheet, Liners, and Boxes of Narrow Flute, Broad Flute, E Flute & Punching as per Customer Specifications. They manufacture all types and all sizes of boxes, which are widely used for packing.

CEO and manager of the Industry, Mr. Nikhil Kushare warmly welcomed all of us. Tea was served to all the students and staff. After that all students along with faculty members were taken to the production plant, where the plant to produces corrugated boxes. They explain the functioning and importance of each and every machine used in the manufacturing the corrugated boxes. Specifically each machine operator gives the detailed about his machine working along with the demonstration. *The quality department was the highlighting point of our visit because the post of quality supervisor was on the basis of B.Sc. physics. There were many application in the company related with thickness measurement, stress, strain, dimensions, etc. whose practical were performed by our students in F.Y.B.Sc. Class.*

They also clear the doubts and gives additional knowledge related with Manufacturing Plant, Detailed Project, Profile, Business Plan, Industry Trends, Market Research, Survey, Manufacturing Process, Machinery, Raw Materials, Feasibility Study, Investment Opportunities, Cost and Revenue, Plant Economics, Production Schedule, Working Capital Requirement, Plant Layout, Process Flow Sheet, Cost of Project, Projected Balance Sheets, Profitability Ratios.



The Process

Mr. Tushar Kushare established the company in 1996 as a partnership firm. It was the second larger company of manufacturer of corrugated boxes in Satpur MIDC at that time. As we know that the Nashik is known as city of Grapes, large number of boxes needed for packing and export of grapes and pomegranates. This company gives the largest supply of packing boxes in Nashik city as well as rural area.

The boxes are made up of corrugated paperboard that is different from the rigid paper called as cardboard. The boxes are used to hold things to protect it from damaging and keeping it from leaking. Boxes are printed with important information on them about what is inside or how to carry or move them. It is carefully designed to insert, hold items in place so they won't spill or be damaged. Steps in Box Building Corrugating machine is designed to do continuous process which brings together three, five or seven sheets of paper to form single, double or triple wall corrugated board. Strongboxes can be made from different layers like 3 layers or 5 layers of flutes. The first work is to mix dry corn starch with water and other chemicals and push it into the corrugators to spread on the corrugated medium as the layers of liner are added. A box can be made by the corrugated board on a sequence of connected machines called a corrugating line.

Quality Assurance & Specifications

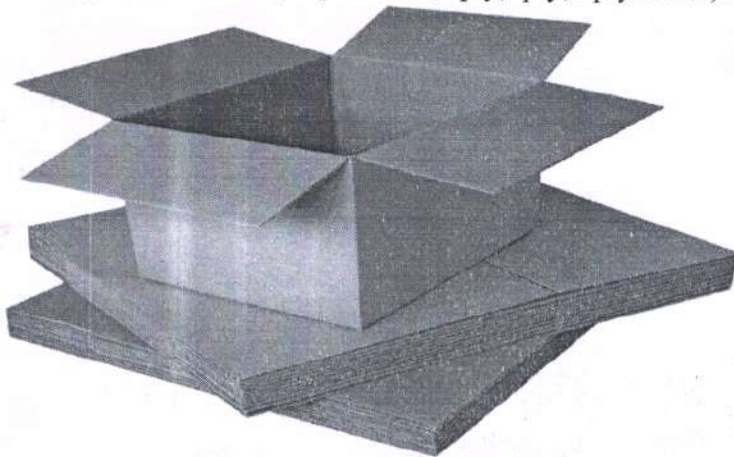
Quality assurance and quality check are the part and parcel of every sub stage of the process. The quality control process starts with the supplier who supplies the Kraft paper which is used to make corrugated cardboard. Kraft paper should be smooth and strong. The individual boards are checked randomly after corrugation. The quality check measures the moisture in the liner and medium. In the manufacturing process, quality test is determined by ensuring the glue strength, bursting strength, compression and highly accurate dimensions. The flatness of the box board is tested by warp test which assures that each board will travel easily through the machines. The final product/boxes are also checked randomly for each batch of the production for quality check, i.e. for trimming, cutting, printing the color and bundling.

Following are the main products of this industry,

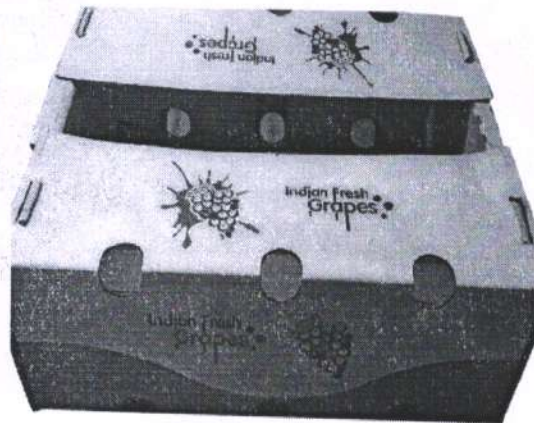
- 1) **Packaging Boxes:-** (Plain Cardboard, Glass packaging, 5ply printed ,Laminated Gift packaging, Pharmaceutical packaging boxes, etc.)



2) Corrugated Boxes:- (Paperboard, 5ply,9ply, 5ply white, etc.)



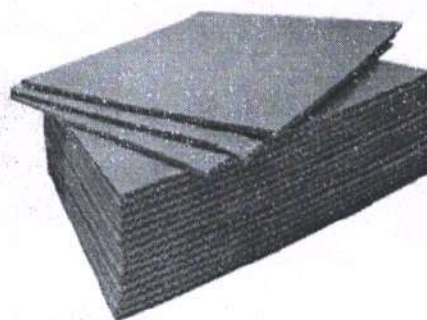
3) Fruit packaging Boxes:- (Printed Pomgranate, grapes packaging, etc.)

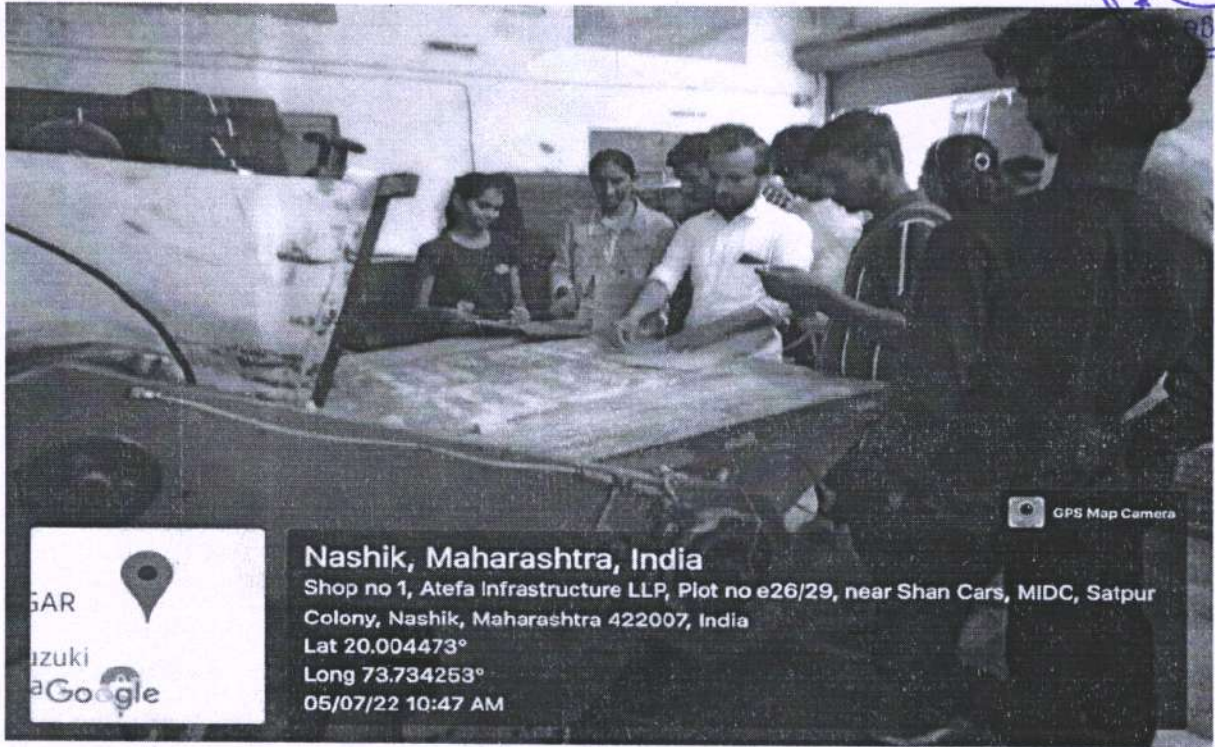


4) Printed corrugated Boxes:-

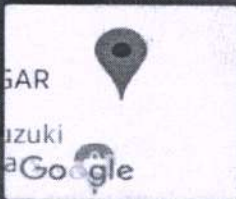


5) Corrugated Sheets:-





GPS Map Camera



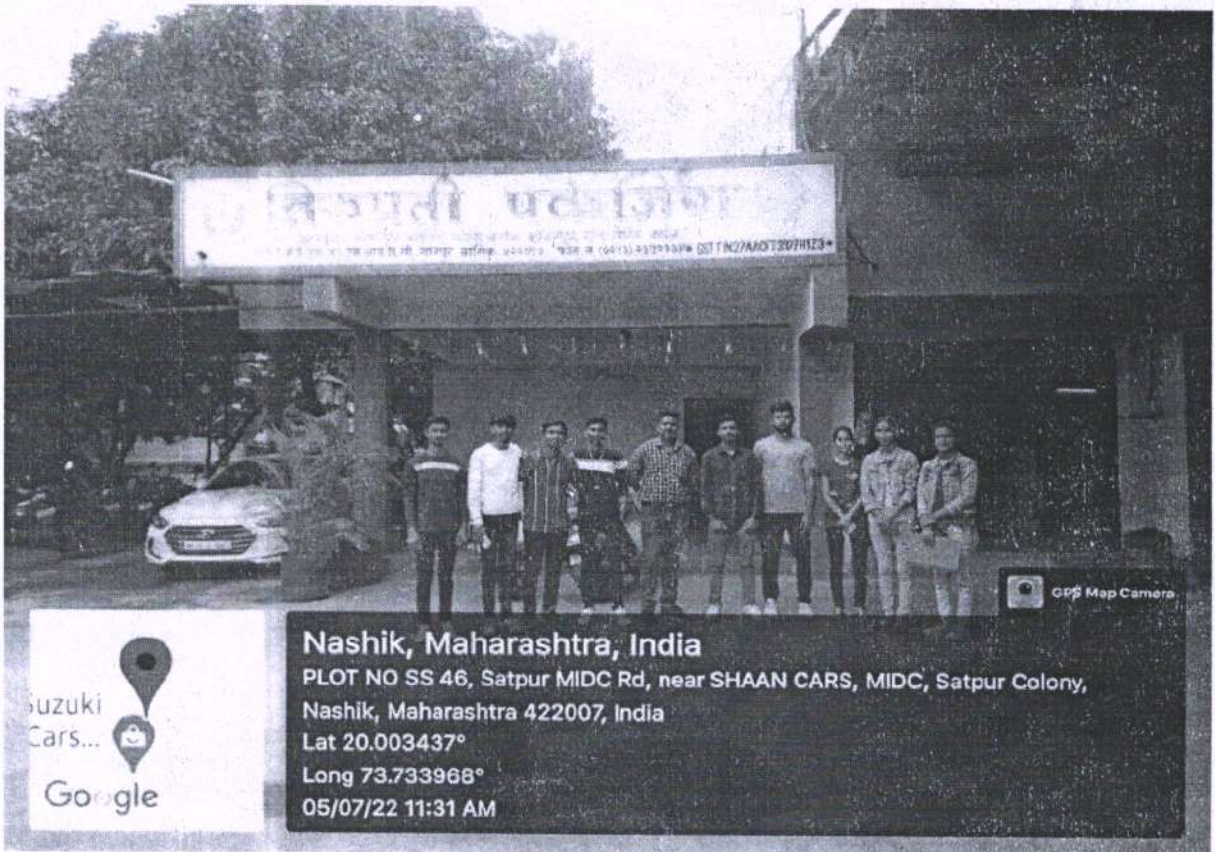
Nashik, Maharashtra, India

Shop no 1, Atefa Infrastructure LLP, Plot no e26/29, near Shan Cars, MIDC, Satpur Colony, Nashik, Maharashtra 422007, India

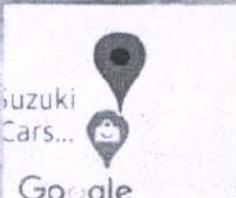
Lat 20.004473°

Long 73.734253°

05/07/22 10:47 AM



GPS Map Camera



Nashik, Maharashtra, India

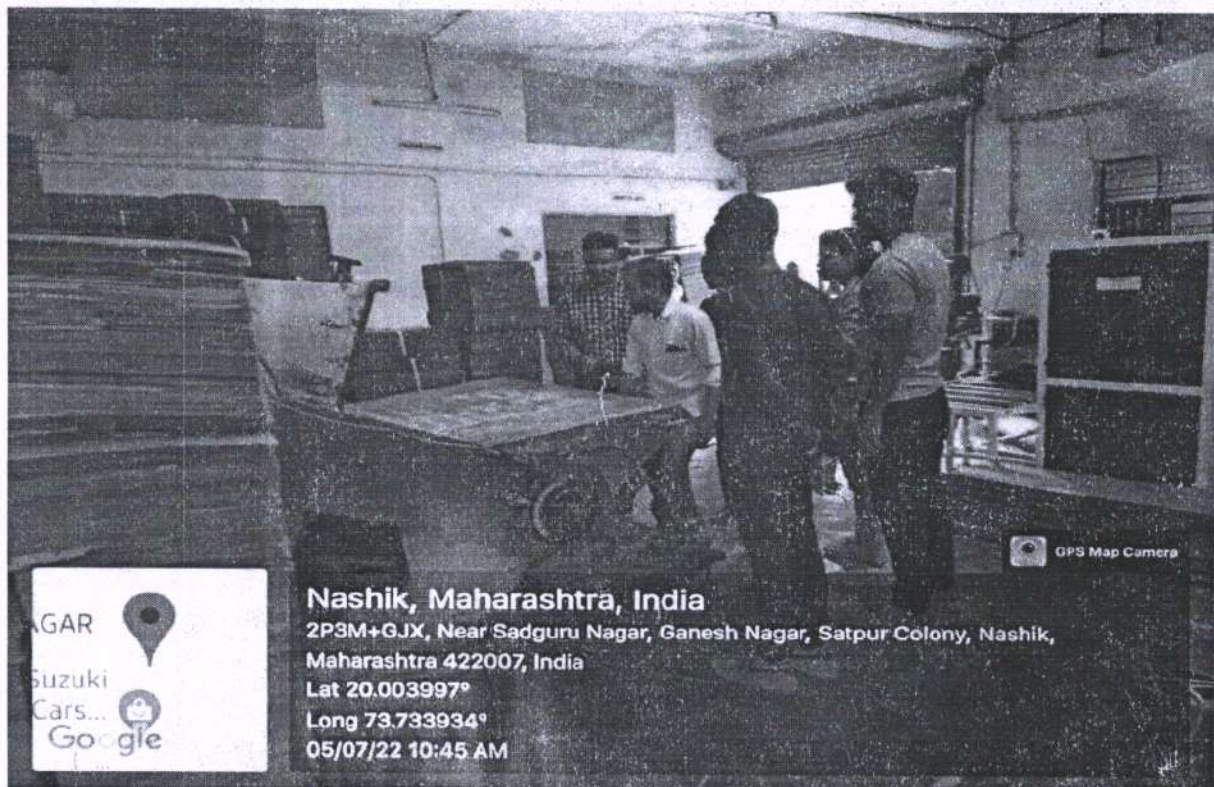
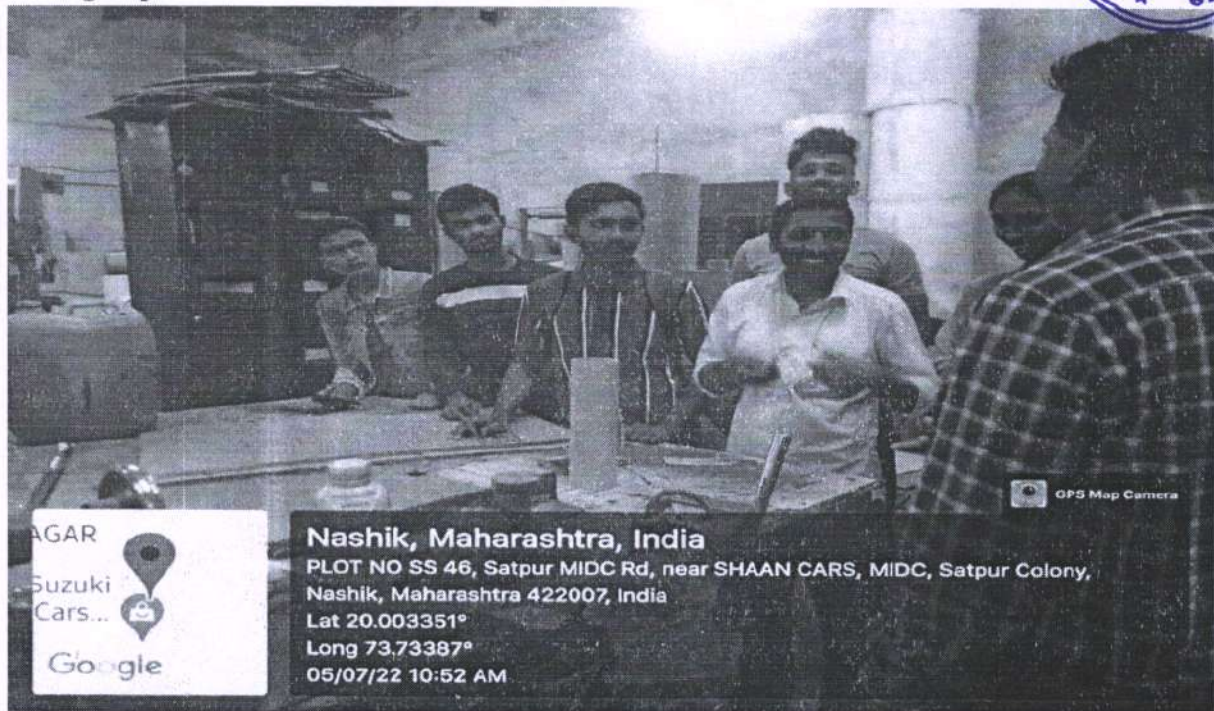
PLOT NO SS 46, Satpur MIDC Rd, near SHAAN CARS, MIDC, Satpur Colony, Nashik, Maharashtra 422007, India

Lat 20.003437°

Long 73.733968°

05/07/22 11:31 AM

Some glimpse of the industrial visit:-





Every student asked many questions about the box manufacturing and saw the machinery with practical applications of physics. Overall, it was a great experience. It was a new, interesting and informative experience for all of us. We visited the Pandavleni spot as well. We also arranged delicious lunch on the way of tour and during travelling all students enjoyed by singing and dancing. Then, we took group photographs with Industry staff members and thanked them for their hospitality. We departed at 5:30 PM from there to Nandgaon. We all had safe and enjoyable journey with lots of information and memorable moments.

Teachers: - 1) Mr.R.V.Wagh *R.V. Wagh*

2) Mr.S.D.Chavan *S.D. Chavan*

HOD *A.L. Tidar*

Dr. A. L. Tidar

Head

Dept. of Physics

Arts, Commerce & Science College
Nandgaon, Nashik - 423 106

V.B. Sonawane

IQAC (Coordinator)

Dr. V. B. Sonawane

Coordinator

Internal Quality Assurance Cell
Arts, Com. & Science College
Nandgaon, PIN-422 006.

S.N. Shinde

Principal

Dr. S. N. Shinde

Principal

Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.H.)

MVP's
Arts, Commerce and Science College, Nandgaon.


T.Y.B.Sc.

Subject: - Industrial Visit

(5 July-2022)



Sr. No.	Seat No.	Name of the student	Remarks
1	27444	Borse Mahendra Ashok	Present
2	27510	Chavan Sandip Dattu	Absent
3	27445	Gaikwad Nikita Ramdas	Present
4	27446	Kaklij Yogesh Sudam	Present
5	27447	Mahajan Kunda Balasaheb	Present
6	27448	More Jagdish Samadhan	Present
7	27449	Pawar Punam Baban	Present
8	27450	Shewale Punam Vinayak	Present
9	27451	Suryawanshi Roshani Kailas	Present
10	27452	Suryawanshi Rushikesh Anil	Present
11	27453	Waghmode Sumeet Ashok	Present


Subject Teacher


HOD

Dept. of Physics
Head
Dept. of Physics
Arts, Commerce & Science College
Nandgaon, Nashik - 423 106



MVP Samaj' Arts, Commerce & Science College, Nandgaon Dist-Nashik

Department of Chemistry

An Industrial Visit Report



Objective:

- 1) To understand the process of winemaking and its chemical aspects.
- 2) To explore the various stages of wine production, including fermentation, aging, and bottling.
- 3) To learn about the role of different chemical compounds and processes involved in the production of wine.
- 4) To understand the quality control measures and laboratory analysis techniques used in the wine industry.
- 5) To gain insights into the sustainability practices implemented by Sula Vineyards, such as wastewater treatment and energy conservation.
- 6) To observe the application of chemistry principles in a real-world industrial setting.

Outcomes:

- 1) Enhanced understanding of the chemical processes involved in winemaking.
- 2) Practical knowledge of quality control measures and laboratory analysis techniques used in the wine industry.
- 3) Awareness of the importance of sustainability practices in the context of the wine industry.
- 4) Exposure to the career opportunities available in the field of wine chemistry and related industries.
- 5) Improved understanding of the application of chemistry principles in an industrial setting.
- 6) Interaction with industry professionals and experts, allowing for networking and future collaboration opportunities.
- 7) Development of critical thinking and observation skills through firsthand experience of the winemaking process.



Balaji

Department of
chemistry



MVP Samaj' Arts, Commerce & Science College, Nandgaon Dist-Nashik

Department of Chemistry

An Industrial Visit Report

Date: 29/06/2022

One day Industrial visit was organized by Department of Chemistry, MVP Samaj' Arts, Commerce & Science College, Nandgaon Dist-Nashik. We visited to **Sula Vineyards** at **Gangapur** village near Bhujbal knowledge Hub Dist. Nashik, Maharashtra. The tour comprised students of T.Y.B.Sc. VI semester (DSEC) accompanied by faculty members, Mr. B. P. More and Smt. S. S. Shinde from Dept. of Chemistry. All the students were directed to gather at College gate at 6:30 am. Principal of the college Dr. S.N. Shinde wished all the students best and safe journey. We started our journey at 7 o'clock with Bus Service and reached at 10:50 am at the location.

Sula vineyards staff members warmly welcomed all of us. Tea and snacks were served to all guests. After that all students along with faculty members were taken to the site, where the plant to generate the wine was installed. Sula vineyards staff members told us that Rajeev Samant's introduction to wines took place during his early years studying at Stanford University and working at Oracle in California, neither grapes nor wine were at the top of his mind when he returned to India in the early 90s. A chance visit to his family's land in Nashik - a region well-known for growing table grapes - in 1994 led to the seed of an idea, and before he knew it, he began pursuing the idea of growing wine grapes in Nashik. His curiosity piqued, Rajeev spent three months at a small winery in California that belonged to his friend and mentor - and now Sula's Master Winemaker. Over the last 20 years, Sula has grown and established itself as a pioneer, innovator and leader in the Indian wine industry. From the sale of our first bottle of wine in 1999 to being the best wine brand in India, we've come a long way and today, our exquisite Sula wines have achieved a cult status the world over.

We take pride in our winemaking process where time and patience are just as important as quality wine grapes. A labour of love, each bottle of Sula wine is nothing short of a work of art. Throughout our journey, we've achieved milestones and set new benchmarks with our carefully crafted range of wines. Join us on this journey as we continue to blaze new trails. Sula vineyards staff members to make the concept practically happen.





Working: In 1996, Rajeev Samant planted the first wine grapes in Nashik, and today, this region is India's premier wine-growing and almost 80% of India's wine is produced here. Sula's owned and contracted vineyards are home to some of India's finest grapes and the site of the latest in viticulture innovation and technology. Our vineyards make up our foundation and are the home ground for our inventions and experiments. Picturesque and designed to give you an all-immersive glimpse into wine, each vineyard hopes to delight and inspire.



Latitude: 20.005054
Longitude: 73.687889
Elevation: 660.2±6 m
Accuracy: 9.2 m
Time: 06-29-2022 11:48

Powered by NoteCam

Following four wines will be produced at Sula wine Industries.

1) Rasa Syrah: This delicious Syrah is rich, opulent and slightly peppery. A wine with supple tannins that you are sure to remember. This wine has been made with the most ultimate respect for the environment, following strict sustainable practices.

Come discover our beautiful vineyard, our Tasting Room and our gorgeous boutique hotel The Source, in the rolling hills of Nashik Valley.

Grape Varietal: 95% Syrah 5% Viognier

Flavours: Dark and Red Berries, Vanilla, Mocha, Spices.



2) The Source Grenache Rosé: Without a doubt India's best Rosé; this amazingly made Grenache shouts friends and sun. Lively, peachy and luxuriant, this wine is about to become, if it's not already, one of your favorites.

This Grenache Rosé wine has been made with the most ultimate respect for the environment, following strict sustainable practices. Come discover our beautiful vineyard, our Tasting Room, and our gorgeous boutique hotel The Source, in the rolling hills of Nashik Valley.

Grape Varietal: 100% Grenache

Flavours: Citrus, Tropical Fruits, White Peach.



3) Dindori Reserve Chardonnay: This lemony, buttery and rich style of Chardonnay shows wonderful notes of stone fruits; no wonder it is considered the best Chardonnay of India. This wine has been made with the most ultimate respect for the environment, following strict sustainable practices. Come discover our beautiful vineyard, our Tasting Room and our gorgeous boutique hotel The Source, in the rolling hills of Nashik Valley.

Grape Varietal: 100% Chardonnay Flavours: Honey, Lemon, Tropical Fruit, Vanilla





4) **Sula Brut Tropicale**: The happiest sparkling wine! Brut Tropicale is an elegant sparkling rose wine, full of tropical notes such as its charming passion fruit aromas. This sparkling wine has been made with the most ultimate respect for the environment, following strict sustainable practices. Come discover our beautiful vineyard, our Tasting Room and our gorgeous boutique hotel The Source, in the rolling hills of Nashik Valley.

Grape Varietal: 60% Chenin Blanc, 40% Shiraz, Viognier

Flavours: Aromas of Peach and Passion Fruit with Hints of Guava at the Finish.

Every student asked many questions about the wine and saw the things practically what they keep on studying in Industrial Chemistry books. Overall, it was a great experience. It was a new, interesting and informative experience for all of us. We visited the Gangapur dam spot as well. We also arranged delicious lunch on the way of tour and during travelling all students enjoyed by singing and dancing. Then, we took group photographs with Sula vineyards staff members and thanked them for their hospitality. We departed at 5:00 PM from there to Nandgaon. We all had safe and enjoyable journey with lots of information.

Teachers:

Mr. B. P. More

Smt. S. S. Shinde

Dr. M. P. Dushing
Head of Department

Head
Department of Chemistry
Arts, Commerce & Science College
Nandgaon (Nashik)

Coordinator
Internal Quality Assurance Cell
Arts, Com. & Science College
Nandgaon, PIN-422 006.

Dr. S. N. Shinde
Principal
Principal
Arts, Commerce & Science College
Nandgaon - 423106 (Dist. Nashik)



MVP's
Arts, Commerce and Science College, Nandgaon, Nashik
Department of Chemistry
T.Y.B.Sc. 2021-22

Sr. No.	Student Name	M/F	Cat	Seat no.	PRN.NO	URN
1.	Aher Aishwarya Dipak	F	OBC	26433	1171937261	474521
2.	Aher Bhavana Rajendra	F	OBC	26434	1171937262	409161
3.	Aher Gaurav Dattatray	M	Open	26435	1171937263	423062
4.	Aher Nikita Suresh	F	OBC	26436	1171937264	410506
5.	Aher Prajakta Nanasaheb	F	OBC	26437	1171937265	357755
6.	Aher Sayali Shankar	F	Open	26438	1171937267	409204
7.	Ansari Md Faiz Md Rafique	M	Open	26440	1171937271	410100
8.	Bogir Swati Ramakrishna	F	OBC	26441	1171937279	414806
9.	Borse Ashwini Rajendra	F	OBC	26442	1171937280	408871
10.	Chavan Rhutik Gopinath	M	DT(A)	26444	1172006863	359310
11.	Gangurde Kunal Sharad	M	SC	26418	1171937293	435185
12.	Kajale Nikita Sharad	F	OBC	26447	1171937308	410037
13.	Kande Durgesh Balu	M	Open	26448	1171937314	410389
14.	Lohkare Vishal Santosh	M	Open	26449	1171937319	490299
15.	Pagar Shital Shrikant	F	OBC	26452	1171937328	358048
16.	Pagar Swati Hanumanta	F	OBC	26453	1171937329	
17.	Pavashe Krishnkant Dnyaneshwar	M	OBC	26454	1171937334	411452
18.	Salunkhe Dipak Appa	M	Open	26455	1172006934	358755
19.	Shinde Thakraj Balu	M	DT(A)	26456	1171937347	357966
20.	Sonwane Khushali Vinod	F	OBC	26457	1171937350	439240
21.	Surve Bhavesh Sandip	M	Open	26458	1172006953	358853



Balukr

Department of
chemistry



Maratha Vidya Prasarak Samaj's
ARTS, COMMERCE AND SCIENCE
COLLEGE
NANDGAON

SEED BALL ACTIVITIES

2021-2022

Organised by

Department of Botony

OBAJECTIVE AMD OUTCOME
FOR
SEEDBALL ACTIVITIES

Objective: The objective of environmental promotional activities is to raise awareness, encourage sustainable behaviors, and foster a sense of responsibility towards the environment among individuals and communities.

Outcome: The desired outcome of seedball sowing beyond the campus is the establishment of diverse and sustainable vegetation in targeted areas. This outcome includes the following:

Increased biodiversity: The seedballs, containing a variety of native plant species, will contribute to the restoration and conservation of local ecosystems.

Ecological restoration: By sowing seedballs in degraded or barren areas, the activities aim to restore ecological balance and improve the overall health of the ecosystem. This restoration can lead to improved soil quality, increased water retention, and enhanced resilience to environmental challenges.

Beautification and aesthetic improvement: The growth of native plants through seedball sowing can enhance the visual appeal of the targeted areas. The establishment of green spaces can contribute to a more pleasant and vibrant environment for local communities and visitors.

Overall, the objective is to create a lasting positive impact on the surrounding environment, contributing to the conservation of biodiversity, the restoration of ecosystems, and the promotion of sustainable practices.



REPORT

Field Survey and Plantation:

The Department of Botany organized a Field survey on the surrounding hills near the College. In this field visit students of Botany studied various plant. Wildly grown on hills. Teachers made students about plant and animal diversity. Students were guided with botanical and common names of the plants with their medicinal values. During *this survey students and teachers could observe various plants including Caralluma fimbriata, Encostema axillare, Tephrotia peruviana, Tridax procumbens, Echinops echinatus, Butea monosperma, Tinospora cordifolia, Cocculus hirsutus, Prosopis cineraria, Boerhavia diffusa, Aristolochia sp., Drimia indica*, and different Mimosaceae members. Students took photographs of observed plants.

Students could also observe some wild animals including, *Pavo cristatus* (Peacock), *Cervidae* (Deer), *Vulpes velpes* (Fox), Different species of Lizards, *Vulpes velpes* (Rain bug), and other insect species. Students were informed beforehand about not disturbing plants and animals. Students were also informed to make a survey report of the field survey.

Simultaneously, students under the guidance of teachers made seed balls of different plants like *Butea monosperma* (Palas), *Tamarindus indica* (Tamarind), *Acacia nilotica* (Babhul), *Azadirachta indica* (Neem), *Terminalia bellarica* (Behda), etc. All these seed balls were planted by digging land with a hoe. It was taken care of a selection of spots for planting that should get abundant water from rain. Also, while planting land had adequate moisture due to prior rain. Students, collected seeds of the *Butea monosperma* (Palas) on the same day and made them with seed balls, and planted them on the pre-prepared Continuous Contour Trenches (CCT's) made on hills. Students and teachers also planted some plants of *Butea monosperma* (Palas) on the hillsides.

This field visit was organized with the following aims.

1. To make students well acquainted with local biodiversity.
2. To make students aware of plantations and their importance.
3. To teach students about seed ball formation and its cultivation.
4. To make students aware of local plants.
5. Students will become well acquainted with field surveys.
6. To collect information on plants in the study area and report the need for the plantation of suitable plants.

During this field visit and plantation teachers of the Botany department including the Head of the Department, Dr. B.W. Chavre, and other teachers, Dr. V.B. Sonawane, Dr. A. N. Madane, and Dr. S.S. Shinde were present. All teachers guided students regarding the survey, plantation, seed collection, seed ball formation, and report writing. For this activity students and teachers got guidance from Principal Dr. S.N. Shinde


Coordinator
Internal Quality Assurance Cell
Arts, Com. & Science College
Nandgaon, PIN-422 006.




Principal
Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.H.)

PHOTOGRAPH



Abhinav
Coordinator
Internal Quality Assurance Cell
Arts, Com. & Science College
Nandgaon, PIN-422 506.




Principal
Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.F.)

**Arts, Commerce and Science College, Nandgaon
Tal Nandgaon (Nashik) .**

**Seed Ball Activity – 2021-22
Organised by Botony Department
Student List**

Sr. No.	Student Name
1	Agwan Vinanti Suresh
2	Ahire chetana nandu
3	Bahikar harshali murlidhar
4	Borse unnati pratap
5	Chavandgir bhagyshri gulab
6	Gaikwad Khushboo Prakash
7	Gaikwad Krishna Sunil
8	Gorade vrundavani Santosh
9	Hembade ujjwala rangnath
10	Kaklij pallavi Ulhasrao
11	Kedar Sakshi shivaji
12	Kharote eshita nitin
13	Modse Manali Dilip
14	Mokal bhagyashree bajeerao
15	Patil Pooja Bapusaheb
16	Pawar Rupesh Vijay
17	Pawar samiksha sanjay
18	Priyanka Bapu Jejurkar
19	Rutuja yogesh Dond
20	Siddhesh Dipak Patil
21	Sonawane komal vilas
22	Surse Snehal Sunil
23	Talekar Bharti Govind
24	Surse Bhavesh Sandip
25	Sonawane Khushali Vinod
26	Shinde Thakraj Balu
27	Pagar Shital Shrikant
28	Salunke Dipak Appa
29	Ushire kalpesh rajendra
30	Gangurde Kunal Sharad
31	Warke Harshali Nitin


Coordinator
Internal Quality Assurance Cell
Arts, Com. & Science College
Nandgaon, PIN-422 506.




Principal
Arts, Commerce & Science College
Nandgaon, Dist. Nashik (M.F.)